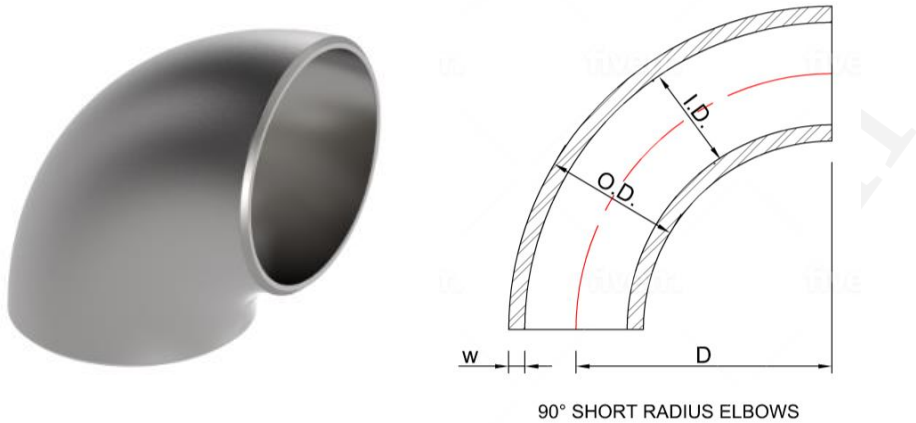


Project Name: _____
Job #: _____

ASTM A403, B16.9
90° ELBOW – SHORT RADIUS



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

DIMENSIONS

UOM: Inches/LBS

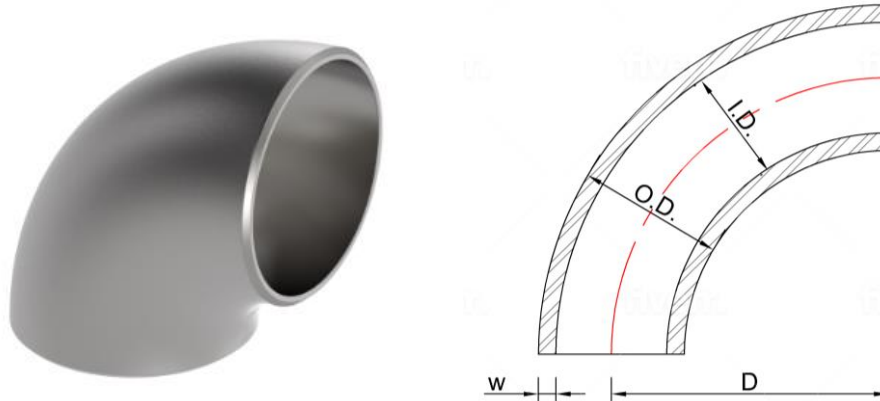
SELECT	NOMINAL PIPE SIZE	OUTSIDE DIAMETER (O.D.)	CENTER TO FACE (A)	SCHEDULE 5S ☐ < SELECT			SCHEDULE 10S ☐ < SELECT		
				Inside Diameter (I.D.)	Wall Thickness (W)	Approx Weight	Inside Diameter (I.D.)	Wall Thickness (W)	Approx Weight
☐	1	1.315	1	1.185	0.065	0.17	1.097	0.109	0.23
☐	1 ¼	1.660	1 ¼	1.530	0.065	0.31	1.442	0.109	0.38
☐	1 ½	1.900	1 ½	1.770	0.065	0.43	1.682	0.109	0.49
☐	2	2.375	2	2.245	0.065	0.63	2.157	0.109	0.81
☐	2 ½	2.875	2 ½	2.709	0.083	1.25	2.635	0.120	1.36
☐	3	3.500	3	3.334	0.083	1.75	3.260	0.120	2.17
☐	3 ½	4.000	3 ½	3.834	0.083	2.35	3.760	0.120	3.05
☐	4	4.500	4	4.334	0.083	3.12	4.260	0.120	3.79
☐	5	5.563	5	5.345	0.109	4.94	5.295	0.134	6.12
☐	6	6.625	6	6.407	0.109	7.75	6.357	0.134	9.15
☐	8	8.625	8	8.407	0.109	15.44	8.329	0.148	17.63
☐	10	10.750	10	10.482	0.134	27.40	10.420	0.165	35.00
☐	12	12.750	12	12.438	0.156	35.00	12.390	0.180	40.00
☐	14	14.000	14	13.688	0.156	44.00	13.624	0.188	52.00
☐	16	16.000	16	15.670	0.165	65.00	15.624	0.188	68.00
☐	18	18.000	18	17.670	0.165	81.00	17.624	0.188	86.00
☐	20	20.000	20	19.624	0.188	107.00	19.564	0.218	143.00
☐	24	24.000	24	23.564	0.218	182.00	23.500	0.250	202.00

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 – SHORT RADIUS



90° SHORT RADIUS ELBOWS

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

DIMENSIONS

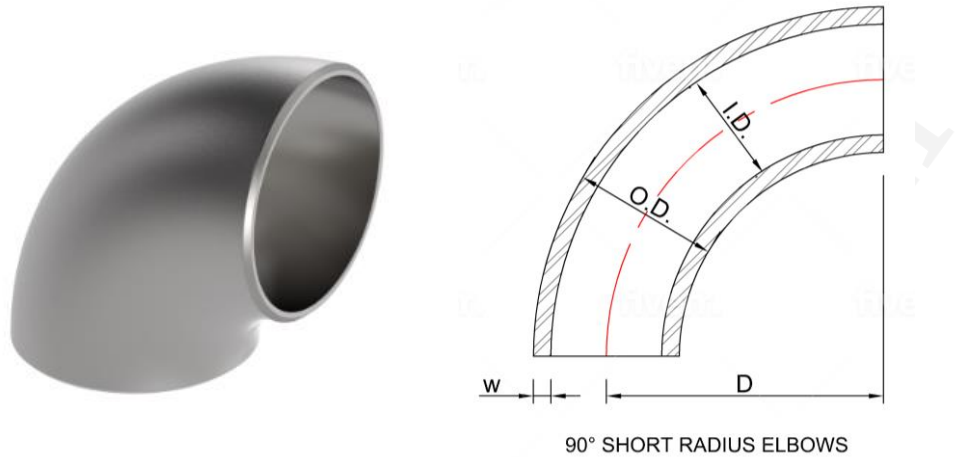
UOM: Inches/LBS

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
☐	1	1.315	1	1.049	0.133	0.26	0.957	0.179	0.38
☐	1 ¼	1.660	1 ¼	1.380	0.140	0.45	1.278	0.191	0.63
☐	1 ½	1.900	1 ½	1.610	0.145	0.63	1.500	0.200	0.88
☐	2	2.375	2	2.067	0.154	1.13	1.939	0.218	1.55
☐	2 ½	2.875	2 ½	2.469	0.203	2.25	2.323	0.276	2.88
☐	3	3.500	3	3.068	0.216	3.31	2.900	0.300	4.20
☐	3 ½	4.000	3 ½	3.548	0.226	4.54	3.364	0.318	5.35
☐	4	4.500	4	4.026	0.237	6.88	3.826	0.337	9.06
☐	5	5.563	5	5.047	0.258	11.63	4.813	0.375	16.10
☐	6	6.625	6	6.065	0.280	17.50	5.761	0.432	26.00
☐	8	8.625	8	7.981	0.322	37.60	7.625	0.500	54.80
☐	10	10.750	10	10.020	0.365	63.00	9.750	0.500	99.80
☐	12	12.750	12	12.000	0.375	80.00	11.750	0.500	125.00
☐	14	14.000	14	13.250	0.375	101.00	13.000	0.500	135.00
☐	16	16.000	16	15.250	0.375	131.00	15.000	0.500	175.00
☐	18	18.000	18	17.250	0.375	175.00	17.000	0.500	228.00
☐	20	20.000	20	19.250	0.375	215.00	19.000	0.500	285.00
☐	24	24.000	24	23.250	0.375	302.00	23.000	0.500	401.00

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 – SHORT RADIUS



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
☐	1	1.315	1	0.815	0.250	0.53	0.599	0.358	0.76
☐	1 ¼	1.660	1 ¼	1.160	0.250	0.82	0.896	0.382	1.26
☐	1 ½	1.900	1 ½	1.338	0.281	1.23	1.100	0.400	1.76
☐	2	2.375	2	1.689	0.343	2.43	1.503	0.436	3.10
☐	2 ½	2.875	2 ½	2.125	0.375	3.88	1.771	0.552	5.76
☐	3	3.500	3	2.624	0.438	6.09	2.300	0.600	8.40
☐	3 ½	4.000	3 ½	-----	-----	-----	2.728	0.636	10.70
☐	4	4.500	4	3.438	0.531	14.22	3.152	0.674	18.12
☐	5	5.563	5	4.313	0.625	26.72	4.063	0.750	32.20
☐	6	6.625	6	5.187	0.719	43.16	4.897	0.864	52.00
☐	8	8.625	8	6.813	0.906	99.18	6.875	0.875	109.00
☐	10	10.750	10	8.500	1.125	224.00	-----	-----	-----
☐	12	12.750	12	10.126	1.312	327.00	-----	-----	-----
☐	14	14.000	14	11.188	1.406	-----	-----	-----	-----
☐	16	16.000	16	12.812	1.594	-----	-----	-----	-----
☐	18	18.000	18	14.438	1.781	-----	-----	-----	-----
☐	20	20.000	20	16.062	1.969	-----	-----	-----	-----
☐	24	24.000	24	19.312	2.344	-----	-----	-----	-----

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