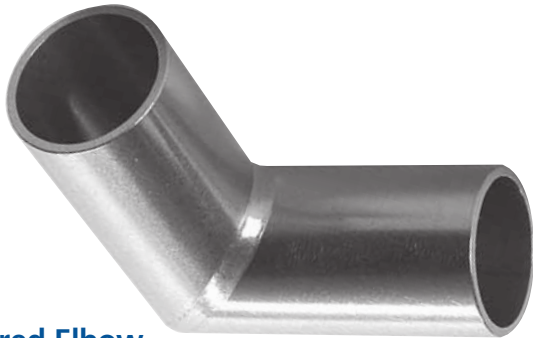


# Flanges & Fittings - Weld Fittings

## 90° Mitered & 180° Return Bend Radius Elbows



### SPECIFICATIONS

**Tube OD sizes:** 1/2 to 10 inches

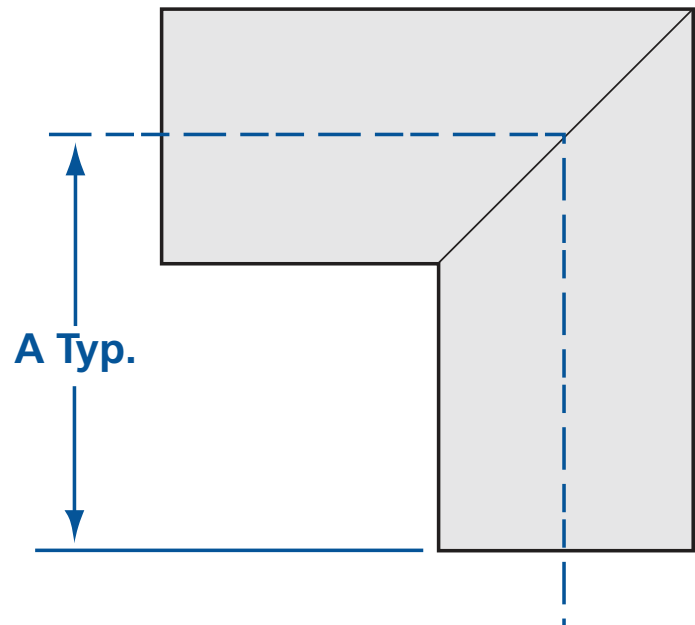
**Materials:** 304 stainless steel  
(316L available upon request)

**Vacuum range:**  $\geq 1 \times 10^{-13}$  Torr

**Temperature range:** -200° to 450°C

### 90° Mitered Elbow

MODEL NUMBER	TUBE OD	WALL THICKNESS	A
E-075M	3/4	0.035	1.00
E-100M	1	0.065	1.88
E-150M	1 1/2	0.065	2.25
E-150MH	1 1/2	0.065	2.41
E-200M	2	0.065	3.00
E-200MH	2	0.065	2.61
E-250M	2 1/2	0.065	3.00
E-250MV	2 1/2	0.065	3.75
E-300M	3	0.065	3.25
E-400M	4	0.083	3.88
E-400MV-B	4	0.083	4.87
E-500M-B	5	0.083	4.25
E-600M-B	6	0.083	5.00
E-600MV-B	6	0.083	6.06
E-800M-B	8	0.120	7.00
E-1000M-B	10	0.120	9.50



### SPECIFICATIONS

**Tube OD sizes:** 1/2 to 2 inches

**Materials:** 304 stainless steel  
(316L available upon request)

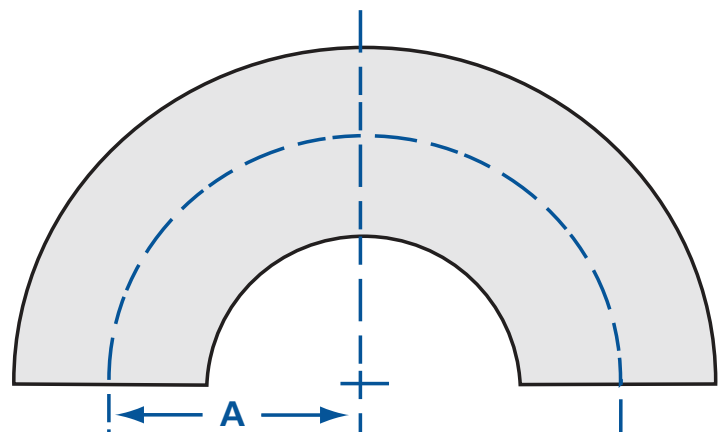
**Vacuum range:**  $\geq 1 \times 10^{-13}$  Torr

**Temperature range:** -200° to 450°C



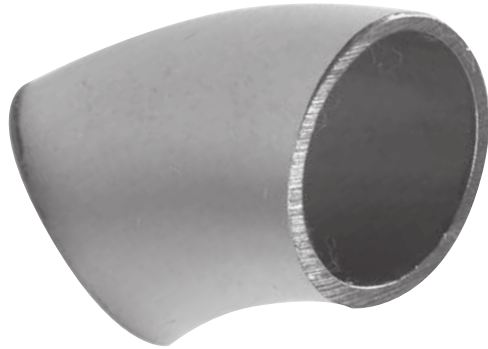
### 180° Return Bend Radius Elbows

MODEL NUMBER	TUBE OD	WALL THICKNESS	A
G-2WU-050	1/2	0.049	0.75
G-2WU-075	3/4	0.035	1.00
G-2WU-100	1	0.065	1.50
G-2WU-150	1 1/2	0.065	2.25
G-2WU-200	2	0.065	3.00



# Flanges & Fittings - Weld Fittings

## 45° Radius Elbows



### SPECIFICATIONS

**Tube OD sizes:** 1/2 to 10 inches

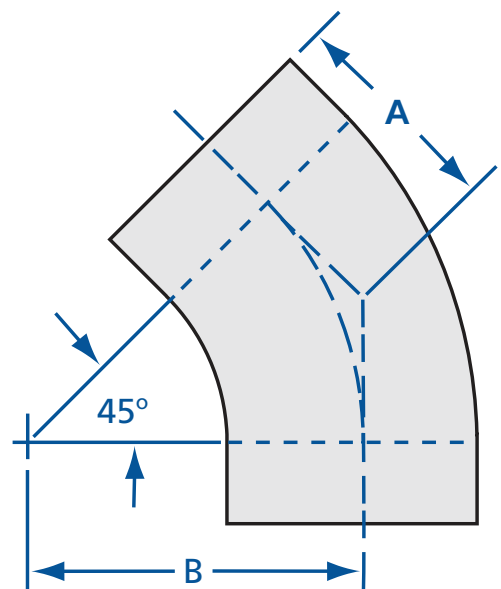
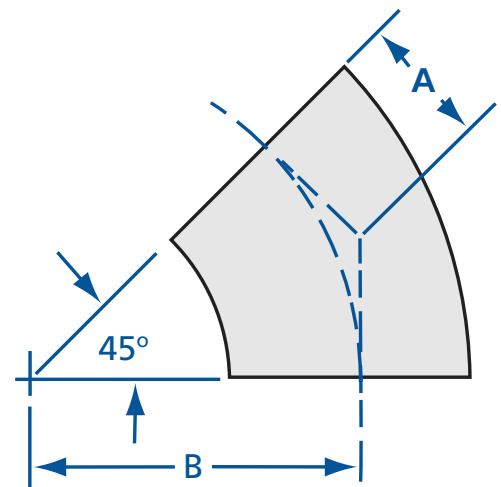
**Materials:** 304 stainless steel  
(316L available upon request)

**Vacuum range:**  $\geq 1 \times 10^{-13}$  Torr

**Temperature range:** -200° to 450°C

### 45° Radius Elbows

MODEL NUMBER	TUBE OD	WALL THICKNESS	A	B	316L	TANGENT
G-2WK-050	1/2	0.049	0.31	0.75		
G-2WK-075	3/4	0.035	0.41	1.00		
G-2WK-075T	3/4	0.065	0.41	1.13		
G-2KL-075	3/4	0.035	0.76	1.00		✓
G-2WK-100	1	0.065	0.62	1.50		
G-2WK-100-316L	1	0.065	0.62	1.50	✓	
G-2KL-100	1	0.065	0.97	1.50		✓
G-2KL-100HW	1	0.065	1.19	1.50		✓
G-2KL-100-316L	1	0.065	0.97	1.50	✓	✓
G-2WK-150	1 1/2	0.065	0.93	2.25		
G-2WK-150-316L	1 1/2	0.065	0.93	2.25	✓	
G-2KL-150	1 1/2	0.065	1.53	2.25		✓
G-2KL-150HW	1 1/2	0.065	1.63	2.25		✓
G-2KL-150-316L	1 1/2	0.065	1.53	2.25	✓	✓
G-2WK-200	2	0.065	1.24	3.00		
G-2WK-200-316L	2	0.065	1.24	3.00	✓	
G-2KL-200	2	0.065	1.84	3.00		✓
G-2KL-200HW	2	0.065	2.31	3.00		✓
G-2KL-200-316L	2	0.065	1.84	3.00	✓	✓
G-2WK-250	2 1/2	0.065	1.55	3.75		
G-2WK-250-316L	2 1/2	0.065	1.55	3.75	✓	
G-2KL-250	2 1/2	0.065	3.00	3.75		✓
G-2WK-300	3	0.065	1.86	4.50		
G-2WK-300-316L	3	0.065	1.86	4.50	✓	
G-2KL-300	3	0.065	3.68	4.50		✓
G-2KL-300-316L	3	0.065	3.68	4.50	✓	✓
G-2WK-400	4	0.083	2.49	6.00		
G-2WK-400-316L	4	0.083	2.49	6.00	✓	
G-2KL-400	4	0.083	4.78	6.00		✓
G-2KL-400HW	4	0.083	4.81	6.00		✓
G-2KL-400-316L	4	0.083	4.78	6.00	✓	✓
G-2WK-600	6	.109 - .134	3.73	9.00		
G-2WK-600-B	6	.109 - .134	3.73	9.00		
G-2KL-600	6	.109 - .134	7.23	9.00		
G-2WK-800-B	8	.109 - .134	4.97	12.00		
G-2WK-1000-B	10	.109 - .134	6.21	15.00		



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# Flanges & Fittings - Weld Fittings

## 90° Radius Elbows



### SPECIFICATIONS

**Tube OD sizes:** 1/2 to 10 inches

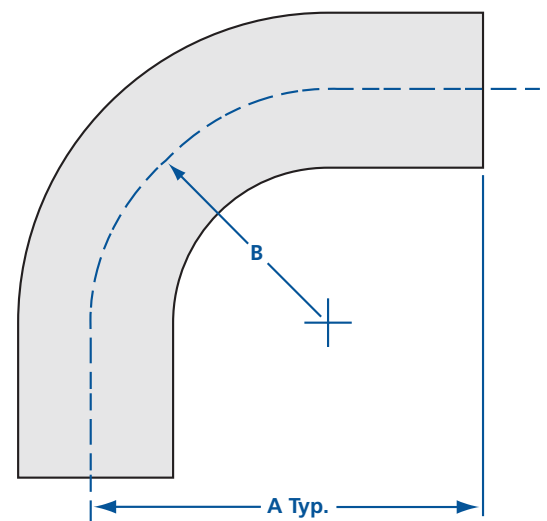
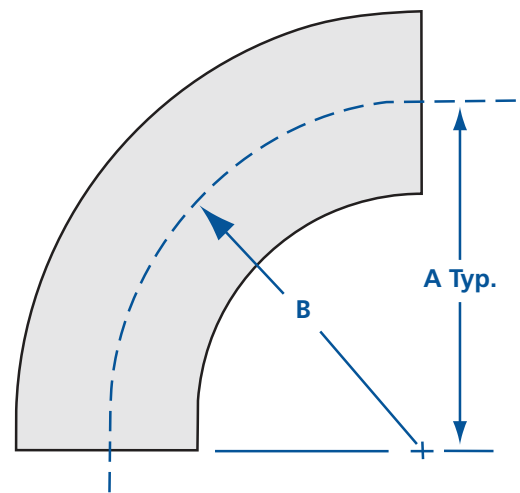
**Materials:** 304 stainless steel  
(316L available upon request)

**Vacuum range:**  $\geq 1 \times 10^{-13}$  Torr

**Temperature range:** -200° to 450°C

### 90° Radius Elbows

MODEL NUMBER	TUBE OD	WALL THICKNESS	A	B	316L	TANGENT
G-2WC-050	1/2	0.049	0.75	0.75		
G-2WC-075	3/4	0.035	1.00	1.00		
G-2WC-075H	3/4	0.035	1.42	1.00		✓
G-2WC-100	1	0.065	1.50	1.50		
G-2WC-100-316L	1	0.065	1.50	1.50	✓	
G-2WC-100H	1	0.065	1.82	1.50		✓
G-2WC-100HW	1	0.065	2.06	1.50		✓
G-2WC-100H-316L	1	0.065	1.82	1.50	✓	✓
G-2WC-150	1 1/2	0.065	2.25	2.25		
G-2WC-150-316L	1 1/2	0.065	2.25	2.25	✓	
G-2WC-150H	1 1/2	0.065	2.41	2.25		✓
G-2WC-150HW	1 1/2	0.065	2.94	2.25		✓
G-2WC-150HL	1 1/2	0.065	4.97	2.25		✓
G-2WC-150H-316L	1 1/2	0.065	2.41	2.25	✓	✓
G-2WC-200	2	0.065	3.00	3.00		
G-2WC-200-316L	2	0.065	3.00	3.00	✓	
G-2WC-200H	2	0.065	4.06	3.00		✓
G-2WC-200HL	2	0.065	5.36	3.00		✓
G-2WC-200H-316L	2	0.065	4.06	3.00	✓	✓
G-2WC-250	2 1/2	0.065	3.75	3.75		
G-2WC-250-316L	2 1/2	0.065	3.75	3.75	✓	
G-2WC-250H	2 1/2	0.065	5.19	3.75		✓
G-2WC-300	3	0.065	4.50	4.50		
G-2WC-300-316L	3	0.065	4.50	4.50	✓	
G-2WC-300H	3	0.065	6.31	4.50		✓
G-2WC-400	4	0.083	6.00	6.00		
G-2WC-400-316L	4	0.083	6.00	6.00	✓	
G-2WC-400H	4	0.083	8.31	6.00		✓
G-2WC-600	6	.109 - .134	9.00	9.00		
G-2WC-600-B	6	.109 - .134	9.00	9.00		
G-2WC-600-HW	6	.109 - .134	11.38	9.00		✓
G-2WC-800-B	8	.109 - .134	12.00	12.00		
G-2WC-1000-B	10	.109 - .134	15.00	15.00		



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