

# STRITT & PRIEBE INC.

## Face to Face Dimensions of Flanged Valves (Flat Face)

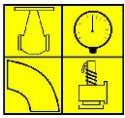
**Class 125 Cast Iron**

**ASME B16.10 -2000**

NPS	Gate, Solid Wedge & Double Disc	Plug			Globe, Lift Check & Swing Check Note (1)
		Short Pattern	Regular & Venturi Pattern	Round Port, Full Bore	
½	---	---	---	---	---
¾	---	---	---	---	---
1	---	5.50	5.50 (3)	5.50	---
1¼	---	---	6.50 (3)	6.00	---
1½	---	6.50	6.50 (3)	6.50	---
2	7.00	7.00	7.50 (3)	7.50	8.00
2½	7.50	7.50	8.25 (3)	8.25	8.50
3	8.00	8.00	9.00 (3)	9.00	9.50
4	9.00	9.00	9.00 (3)	12.00	11.50
5	10.00	10.00	14.00 (3)	15.00	13.00
6	10.50	10.50	15.50	18.00	14.00
8	11.50	11.50	18.00	22.00	19.50
10	13.00	13.00	21.00	26.00	24.50
12	14.00	14.00	24.00	30.00	27.50
14	15.00 (2)	---	27.00	---	31.00
16	16.00 (2)	---	30.00	---	36.00 (5)
18	17.00 (2)	---	34.00	---	---
20	18.00 (2)	---	36.00	---	---
22	---	---	---	---	---
24	20.00 (2)	---	42.00 (4)	---	---
26	---	---	---	---	---
28	---	---	---	---	---
30	---	---	51.00 (4)	---	---
32	---	---	---	---	---
34	---	---	---	---	---
36	---	---	63.00 (4)	---	---

**NOTES:**

- (1) These dimensions are not intended to cover the type of check valve having the seat angle at approximately 45 deg to the run of the valve, or the "Underwriter Pattern," or other patterns where large clearances are required.
- (2) Solid wedge only.
- (3) Regular pattern only. The face-to-face dimension of NPS 4 may be 12.00 at the manufacturer's option.
- (4) Venturi pattern only.
- (5) Globe and horizontal lift check only.



# STRITT & PRIEBE INC.

## Face to Face Dimensions of Flanged Valves (Raised Face)

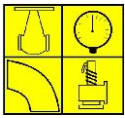
### Class 150 Steel

### ASME B16.10 -2000

NPS	Gate		Plug				Globe, Lift Check & Swing Check Note (1)	Y-Globe & Y-Swing Check	Ball	
	Solid Wedge & Double Disc	Conduit	Short Pattern	Regular Pattern	Venturi Pattern	Round Port, Full Bore			Long Pattern	Short Pattern
1/2	4.25	---	---	---	---	---	4.25	5.50	4.25	4.25
3/4	4.62	---	---	---	---	---	4.62	6.00	4.62	4.62
1	5.00	---	5.50	---	---	7.00	5.00	6.50	5.00	5.00
1 1/4	5.50	---	---	---	---	---	5.50	7.25	5.50	5.50
1 1/2	6.50	---	6.50	---	---	8.75	6.50	8.00	6.50	6.50
2	7.00	7.00	7.00	---	7.00	10.50	8.00	9.00	7.00	7.00
2 1/2	7.50	7.50	7.50	---	---	11.75	8.50	11.00	7.50	7.50
3	8.00	8.00	8.00	---	8.00	13.50	9.50	12.50	8.00	8.00
4	9.00	9.00	9.00	12.00	9.00	17.00	11.50	14.50	9.00	9.00
5	10.00	---	10.00	15.00	---	---	14.00 (7)	---	---	---
6	10.50	10.50	10.50	15.50	15.50	---	16.00 (7)	18.50	15.50	10.50
8	11.50	11.50	11.50	18.00	18.00	---	19.50	23.50	18.00	11.50
10	13.00	13.00	13.00	21.00	21.00	---	24.50	26.50	21.00	13.00
12	14.00	14.00	14.00	24.00	24.00	---	27.50	30.50	24.00	14.00
14	15.00	15.00	---	27.00	27.00	---	21.00	---	27.00	15.00
16	16.00	16.00	---	30.00	30.00	---	36.00 (8)	---	30.00	16.00
18	17.00	17.00	---	34.00	34.00	---	38.50 (9)	---	34.00	---
20	18.00	18.00	---	36.00	36.00	---	38.50 (9)	---	36.00	---
22	---	20.00	---	---	---	---	42.00 (9)	---	---	---
24	20.00	20.00	---	42.00	42.00	---	51.00 (9)	---	42.00	---
26	22.00	22.00	---	---	---	---	51.00 (9)	---	---	---
28	24.00	24.00	---	---	---	---	57.00 (9)	---	---	---
30	24.00	26.00	---	---	---	---	60.00 (9)	---	---	---
32	---	28.00	---	---	---	---	---	---	---	---
34	---	30.00	40.00	---	---	---	---	---	---	---
36	28.00	32.00	---	---	---	---	77.00 (9)	---	---	---

#### NOTES:

- (1) These dimensions are not intended to cover the type of check valve having the seat angle at approximately 45 deg to the run of the valve, or the "Underwriter Pattern," or other patterns where large clearances are required.
- (7) Globe and horizontal lift check only. The face-to-face and end-to-end dimension for Class 150 steel flanged and butt welding end swing check valves in NPS 5 is 13.00 and in NPS 6 is 14.00.
- (8) Globe and horizontal lift check only. The face-to-face and end-to-end dimension for Class 150 steel flanged and butt welding end swing check valves in NPS 16 is 34.00
- (9) Swing check only.



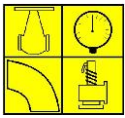
# STRITT & PRIEBE INC.

## Face to Face Dimensions of Flanged Valves (Raised Face)

Class 250 Cast Iron

ASME B16.10 -2000

NPS	Gate, Solid Wedge & Double Disc	Plug			Globe, Lift Check & Swing Check
		Short Pattern	Regular Pattern	Venturi Pattern	
½	---	---	---	---	---
¾	---	---	---	---	---
1	---	---	6.25	---	---
1¼	---	---	---	---	---
1½	---	---	7.50	---	---
2	8.50	7.25	8.50	---	10.50
2½	9.50	8.00	9.50	---	11.50
3	11.12	9.25	11.12	---	12.50
4	12.00	10.50	12.00	---	14.00
5	---	---	15.25	---	15.75
6	15.88	14.88	16.75	15.88	17.50
8	16.50	---	19.75	16.50	21.00
10	18.00	22.38	23.50	18.00	24.50
12	19.75	25.50	28.00	19.75	28.00
14	22.50	---	---	30.00	---
16	24.00	---	---	33.00	---
18	26.00	---	---	36.00	---
20	28.00	---	---	39.00	---
22	---	---	---	44.00	---
24	31.00	---	---	45.00	---
26	---	---	---	---	---
28	---	---	---	---	---
30	---	---	---	---	---
32	---	---	---	---	---
34	---	---	---	---	---
36	---	---	---	---	---



# STRITT & PRIEBE INC.

## Face to Face Dimensions of Flanged Valves

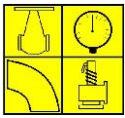
### Class 300 Steel

### ASME B16.10 -2000

NPS	Gate, Solid Wedge, Double Disc & Conduit	Plug					Ball	
		Short & Venturi Pattern	Regular Pattern	Round Port, Full Bore	Globe & Lift Check	Swing Check	Long Pattern	Short Pattern
1/2	5.50 (1)	---	---	---	6.00	---	5.50	5.50
3/4	6.00 (1)	---	---	---	7.00	---	6.00	6.00
1	6.50 (1)	6.25 (2)	---	7.50	8.00	8.50	6.50	6.50
1 1/4	7.00 (1)	---	---	---	8.50	9.00	7.00	7.00
1 1/2	7.50	7.50 (2)	---	9.50	9.00	9.50	7.50	7.50
2	8.50	8.50	---	11.12	10.50	10.50	8.50	8.50
2 1/2	9.50	9.50	---	13.00	11.50	11.50	9.50	9.50
3	11.12	11.12	---	15.25	12.50	12.50	11.12	11.12
4	12.00	12.00	---	18.00	14.00	14.00	12.00	12.00
5	15.00	---	---	---	15.75	15.75	---	---
6	15.88	15.88	15.88	22.00	17.50	17.50	15.88	15.88
8	16.50	16.50	19.75	27.00	22.00	21.00	19.75	16.50
10	18.00	18.00	22.38	32.50	24.50	24.50	22.38	18.00
12	19.75	19.75	28.00	38.00	28.00	28.00	25.50	19.75
14	30.00	30.00 (3)	30.00	---	---	33.00	30.00	22.50
16	33.00	33.00 (3)	33.00	---	---	34.00	33.00	24.00
18	36.00	36.00 (3)	36.00	---	---	38.50	36.00	26.00
20	39.00	39.00 (3)	39.00	---	---	40.00	39.00	28.00
22	43.00	43.00 (3)	43.00	---	---	44.00	43.00	---
24	45.00	45.00 (3)	45.00	---	---	53.00	45.00	32.00
26	49.00	49.00 (3)	49.00	---	---	53.00	49.00	---
28	53.00	53.00 (3)	53.00	---	---	59.00	53.00	---
30	55.00	55.00 (3)	55.00	---	---	62.75	55.00	---
32	60.00	60.00 (3)	60.00	---	---	---	60.00	---
34	64.00	64.00 (3)	64.00	---	---	---	64.00	---
36	68.00	68.00 (3)	68.00	---	---	82.00	68.00	---

#### NOTES:

- (1) Solid wedge only.
- (2) Plug—short pattern only.
- (3) Venturi pattern only.



# STRITT & PRIEBE INC.

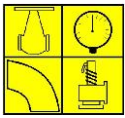
## Face to Face Dimensions of Flanged Valves (Raised Face)

**Class 600 Steel** **ASME B16.10 -2000**

NPS	Gate, Solid Wedge, Double Disc & Conduit, Long Pattern	Plug		Globe, Lift Check & Swing Check, Long Pattern	Ball, Long Pattern
		Regular & Venturi Pattern	Round Port, Full Bore		
1/2	6.50 (2)	---	---	6.50	6.50
3/4	7.50 (2)	---	---	7.50	7.50
1	8.50	8.50 (4)	10.00	8.50	8.50
1 1/4	9.00	9.00 (4)	---	9.00	9.00
1 1/2	9.50	9.50	12.50	9.50	9.50
2	11.50	11.50	13.00	11.50	11.50
2 1/2	13.00	13.00	15.00	13.00	13.00
3	14.00	14.00	17.50	14.00	14.00
4	17.00	17.00	20.00	17.00	17.00
5	20.00	---	---	20.00	---
6	22.00	22.00	26.00	22.00	22.00
8	26.00	26.00	31.25	26.00	26.00
10	31.00	31.00	37.00	31.00	31.00
12	33.00	33.00	42.00	33.00 (6)	33.00
14	35.00	35.00	---	35.00 (6)	35.00
16	39.00	39.00	---	39.00 (6)	39.00
18	43.00	43.00 (5)	---	43.00 (6)	43.00
20	47.00	47.00 (5)	---	47.00 (6)	47.00
22	51.00	51.00 (5)	---	51.00 (6)	51.00
24	55.00	55.00 (5)	---	55.00 (6)	55.00
26	57.00	57.00 (5)	---	57.00 (6)	57.00
28	61.00	---	---	63.00 (6)	61.00
30	65.00	65.00 (5)	---	65.00 (6)	65.00
32	70.00 (3)	70.00 (5)	---	---	70.00
34	76.00 (3)	76.00 (5)	---	---	76.00
36	82.00 (3)	82.00 (5)	---	82.00 (6)	82.00

**NOTES:**

- (2) Solid wedge only.
- (3) Double disc and conduit only.
- (4) Regular pattern only.
- (5) Venturi pattern only.
- (6) Swing check only.



# STRITT & PRIEBE INC.

## Face to Face Dimensions of Flanged Valves (Raised Face)

**Class 900 Steel**

**ASME B16.10 -2000**

NPS	Gate, Solid Wedge, Double Disc & Conduit, Long Pattern	Plug		Globe, Lift Check & Swing Check, Long Pattern	Ball, Long Pattern
		Regular & Venturi Pattern	Round Port, Full Bore		
¾ (2)	---	---	---	9.00	---
1 (2)	10.00 (3)	10.00 (4)	---	10.00	10.00
1¼ (2)	11.00 (3)	11.00 (4)	---	11.00	11.00
1½ (2)	12.00 (3)	12.00 (4)	14.00	12.00	12.00
2 (2)	14.50	14.50 (4)	15.00	14.50	14.50
2½ (2)	16.50	16.50 (4)	17.00	16.50	16.50
3	15.00	15.00 (4)	18.50	15.00	15.00
4	18.00	18.00 (5)	22.00	18.00	18.00
5	22.00	---	---	22.00	---
6	24.00	24.00	29.00	24.00	24.00
8	29.00	29.00	32.00	29.00	29.00
10	33.00	33.00	38.00	33.00	33.00
12	38.00	38.00	44.00	38.00	38.00
14	40.50	---	---	40.50	40.50
16	44.50	44.50 (5)	---	44.50 (6)	44.50
18	48.00	---	---	48.00 (6)	48.00
20	52.00	52.00 (5)	---	52.00 (6)	52.00
22	---	---	---	---	---
24	61.00	---	---	61.00 (6)	61.00

**NOTES:**

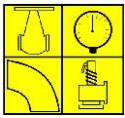
(2) The connecting end flanges for Class 900 valves, NPS 21/2 and smaller, are identical to those of Class 1500 valves. The face-to-face dimensions for all Class 900 valves, NPS 21/2 and smaller, except round port full bore plug valves, are identical with those of Class 1500 valves.

(3) Solid wedge only.

(4) Regular pattern only.

(5) Venturi pattern only.

(6) Swing check only.



# STRITT & PRIEBE INC.

## Face to Face Dimensions of Flanged Valves (Raised Face)

**Class 1500 Steel**

**ASME B16.10 -2000**

NPS	Gate, Solid Wedge, Double Disc & Conduit, Long Pattern	Plug		Globe, Lift Check & Swing Check, Long Pattern	Ball, Long Pattern
		Regular & Venturi Pattern	Round Port, Full Bore		
½	---	---	---	8.50 (5)	---
¾	---	---	---	9.00	---
1	10.00 (2)	10.00 (3)	---	10.00	---
1¼	11.00 (2)	11.00 (3)	---	11.00	---
1½	12.00 (2)	12.00 (3)	---	12.00	---
2	14.50	14.50 (3)	15.38	14.50	14.50
2½	16.50	16.50 (3)	17.88	16.50	16.50
3	18.50	18.50 (3)	20.62	18.50	18.50
4	21.50	21.50 (3)	24.62	21.50	21.50
5	26.50	---	---	26.50	---
6	27.75	27.75	31.00	27.75	27.75
8	32.75	32.75	35.00	32.75	32.75
10	39.00	39.00	42.00	39.00	39.00
12	44.50	44.50	48.00	44.50	44.50
14	49.50	---	---	49.50	49.50
16	54.50	54.50 (4)	---	54.50 (6)	54.50
18	60.50	---	---	60.50 (6)	---
20	65.50	---	---	65.50 (6)	---
22	---	---	---	---	---
24	76.50	---	---	76.50 (6)	---

**NOTES:**

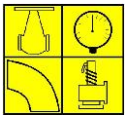
(2) Solid wedge only.

(3) Regular pattern only.

(4) Venturi pattern only.

(5) Globe and lift check only.

(6) Swing check only.



# STRITT & PRIEBE INC.

## Face to Face Dimensions of Flanged Valves (Raised Face)

**Class 2500 Steel**

**ASME B16.10 -2000**

NPS	Gate, Solid Wedge & Double Disc, Long Pattern	Plug, Regular Pattern	Globe, Lift Check & Swing Check, Long Pattern	Ball, Long Pattern
½	10.38 (2)	---	10.38	---
¾	10.75 (2)	---	10.75	---
1	12.12 (2)	12.12	12.12	---
1¼	13.75 (2)	---	13.75	---
1½	15.12 (2)	15.12	15.12	---
2	17.75	17.75	17.75	17.75
2½	20.00	20.00	20.00	20.00
3	22.75	22.75	22.75	22.75
4	26.50	26.50	26.50	26.50
5	31.25	31.25	31.25	---
6	36.00	36.00	36.00	36.00
8	40.25	40.25	40.25	40.25
10	50.00	50.00	50.00	50.00
12	56.00	56.00	56.00	56.00
14	---	---	---	---
16	---	---	---	---
18	---	---	---	---

**NOTES:**

(2) Solid wedge only.