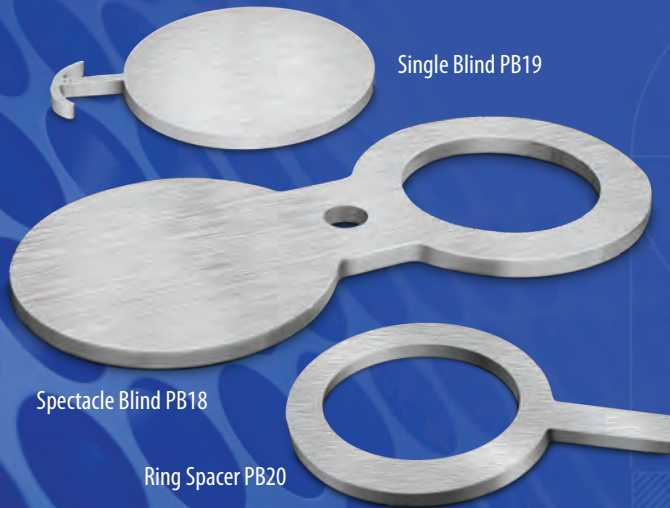


# SPECTACLE BLINDS | CLOSED BLINDS OPEN BLINDS (RING SPACER)



Single Blind PB19

Spectacle Blind PB18

Ring Spacer PB20

Handle style may vary, consult factory for details.

All pictures shown are for illustrative purposes only.  
Actual product may vary due to product enhancement.

**When Total System Isolation is required -  
Titan Blinds provide Complete, Positive Shutoff.**

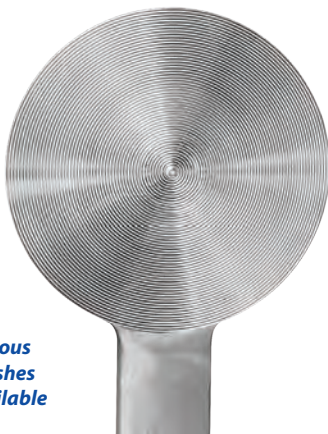
Vapor Blinds, Test Blinds and Bleed Rings are also available.  
Contact Us for more information.

## Models

Name	Description
PB 18	Spectacle Blind
PB 19	Single Blind
PB 20	Ring Spacer

## Materials

Stainless Steel  
Carbon Steel



Various  
Finishes  
Available

## Benefits of Titan Blinds

- Provides Permanent - Positive Shutoff
- Promotes Safety during downstream Service Operations
- Spectacle Blinds provide Visible Shutoff
- Economical Solution when compared to Isolation Valves
- Quick - One Man Operation
- Long Service Life
- Can be used with liquids, solids, slurries, and gases

## Body Materials

Standard materials are stainless steel and carbon steel. Contact factory for additional materials. Special Coatings are also available for highly corrosive applications.

## Seat Materials

A variety of O-Ring Seats are available including Viton, Buna-N, and Teflon. Contact factory for more information.

## End Connections

Available with raised or flat-faced blinds. Ring type joints are also available.

## Finishes

Available with serrated (phonographic style) surface or ground finished. Surface dimension in Micro-inch ASA 500, 250, 125, 63, or 32 should be specified; standard is a smooth finish.

## Standards

Titan FCI's Spectacle Blinds, Single Blinds, and Ring Spacers are designed in accordance with ASME B16.48 - Line Blanks.

**Note: Pipeline Blinds are not the same as bolted on, Blind Flanges.**

Illustrations represent Titan FCI's fabricated PB 18, PB 19, & PB 20. Titan's fabricated products are made to each customer's unique specifications. Dimensions, materials, illustrations, and all other product details referenced in this literature are general in nature. All pictures shown are for illustrative purposes only. Actual product may vary due to product enhancement. Some options may not be available in all sizes and/or models. Titan FCI reserves the right to make design and specification changes to improve the products without prior notification. **For exact product specifications, please consult the Titan FCI factory and request certified engineering drawings.**



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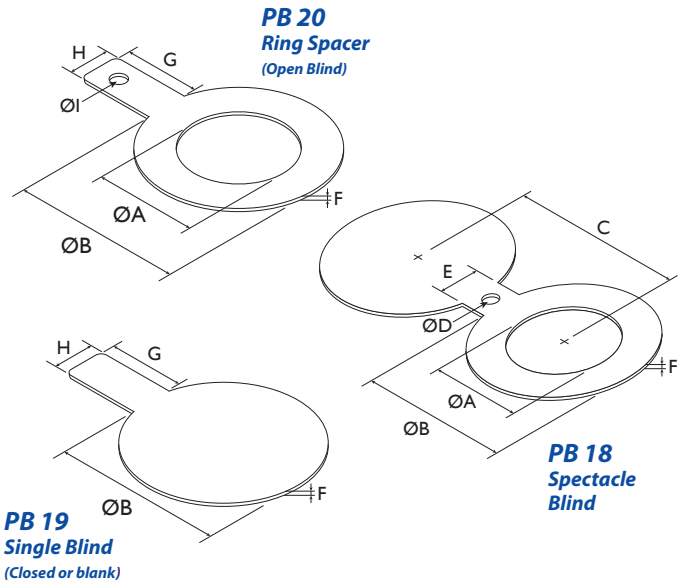
Lumberton, NC 28358  
titan@titanfci.com  
Fax: 910.738.3848

# Spectacle Blinds and Single Blinds

PB 18 | PB 19 | PB 20

## ANSI CLASS 150 BLINDS

Nominal Pipe Size <sup>(2)</sup>	ØA (ID)	ØB (OD)	C (Ctr. to Ctr.)	ØD (Pivot Hole)	E (Web Width)	F (Thickness)
1/2	0.62	1.75	2.38	0.62	1.5	0.12
3/4	0.82	2.12	2.75	0.62	1.5	0.12
1	1.05	2.5	3.12	0.62	1.5	0.12
1 1/4	1.66	2.88	3.5	0.62	1.5	0.25
1 1/2	1.9	3.25	3.88	0.62	1.5	0.25
2	2.38	4	4.75	0.75	2	0.25
2 1/2	2.88	4.75	5.5	0.75	2	0.25
3	3.5	5.25	6	0.75	2.5	0.25
3 1/2	4	6.25	7	0.75	2.5	0.38
4	4.5	6.75	7.5	0.75	2.5	0.38
5	5.56	7.62	8.5	0.88	3	0.38
6	6.62	8.62	9.5	0.88	3	0.5
8	8.62	10.88	11.75	0.88	3	0.5
10	10.75	13.25	14.25	1	4	0.62
12	12.75	16	17	1	4	0.75
14	14	17.62	18.75	1.12	4.25	0.75
16	16	20.12	21.25	1.12	4.25	0.88
18	18	21.5	22.75	1.25	4.5	1
20	20	23.75	25	1.25	4.75	1.12
24	24	28.12	29.5	1.38	5.5	1.12



### Handle Dimensions (All Classes)

Size Ranges	G (Length)	H (Width)	ØI (Hole)
1/2" - 3"	4	1	0.5
3 1/2" - 10"	5	1	0.5
12"	5	1.5	0.75
14" - 24"	6	1.5	0.75

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## ANSI CLASS 300 BLINDS

Nominal Pipe Size <sup>(2)</sup>	ØA (ID)	ØB (OD)	C (Ctr. to Ctr.)	ØD (Pivot Hole)	E (Web Width)	F (Thickness)
1/2	0.62	2	2.62	0.62	1.5	0.25
3/4	0.82	2.5	3.25	0.75	1.5	0.25
1	1.05	2.75	3.5	0.75	1.5	0.25
1 1/4	1.66	3.12	3.88	0.75	1.5	0.25
1 1/2	1.9	3.62	4.5	0.88	2	0.25
2	2.38	4.25	5	0.75	2	0.38
2 1/2	2.88	5	5.88	0.88	2.5	0.38
3	3.5	5.75	6.62	0.88	2.5	0.38
3 1/2	4	6.38	7.25	0.88	2.5	0.5
4	4.5	7	7.88	0.88	2.5	0.5
5	5.56	8.38	9.25	0.88	3	0.62
6	6.62	9.75	10.62	0.88	3	0.62
8	8.62	12	13	1	3	0.88
10	10.75	14.12	15.25	1.12	4	1
12	12.75	16.5	17.75	1.25	4	1.12
14	14	19	20.25	1.25	4.25	1.25
16	16	21.12	22.5	1.38	4.25	1.5
18	18	23.38	24.75	1.38	4.5	1.62
20	20	25.62	27	1.38	4.75	1.75
24	24	30.38	32	1.62	5.5	2

## ANSI CLASS 600 BLINDS

Nominal Pipe Size <sup>(2)</sup>	ØA (ID)	ØB (OD)	C (Ctr. to Ctr.)	ØD (Pivot Hole)	E (Web Width)	F (Thickness)
1/2	0.62	2	2.62	0.62	1.5	0.25
3/4	0.82	2.5	3.25	0.75	1.62	0.25
1	1.05	2.75	3.5	0.75	2.25	0.25
1 1/4	1.44	3.12	3.87	0.75	2	0.38
1 1/2	1.68	3.62	4.5	0.88	2.62	0.38
2	2.16	4.25	5	0.75	2.25	0.38
2 1/2	2.64	5	5.87	0.88	2.62	0.5
3	3.26	5.75	6.62	0.88	2.62	0.5
3 1/2	3.76	6.25	7.25	1	3	0.62
4	4.26	7.5	8.5	1	3	0.62
5	5.3	9.38	10.5	1.12	3.37	0.75
6	6.36	10.38	11.5	1.12	3.37	0.88
8	8.33	12.5	13.75	1.25	3.75	1.12
10	10.42	15.62	17	1.37	4.12	1.38
12	12.39	17.88	19.25	1.37	4.12	1.62
14	13.62	19.25	20.75	1.5	4.5	1.75
16	15.62	22.12	23.75	1.62	4.87	2
18	17.62	24	25.75	1.75	5.25	2.12
20	19.56	26.75	28.5	1.75	5.25	2.5
24	23.5	31	33	2	6	2.88

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