

BLIND & FLANGE SOLUTIONS



FROM THE NATIONAL LEADER OF PIPING ISOLATION & TESTING PRODUCTS

M-PIP-BLIND-SOLUTIONS-2.0.1



PRODUCT LINE - ASME

B16.48 LINE BLANKS

AVAILABLE HANDLE TYPES FOR
PADDLE BLINDS

T | 7 | STRAIGHT

BLIND TYPE

- 1 PADDLE
- 2 SPECTACLE
- 3 PADDLE SPACER
- 4 EZ VENT®
- 5 EZ PURGE®
- 6 EZ VENT-PURGE®

LINE SIZES*

1/2" - 96" (SERIES A & B)

THICKNESS OPTIONS*

ISOLATION | HYDRO | CUSTOM

RATINGS*

150 | 300 | 600 | 900 | 1500 | 2500

STOCKED ALLOYS*

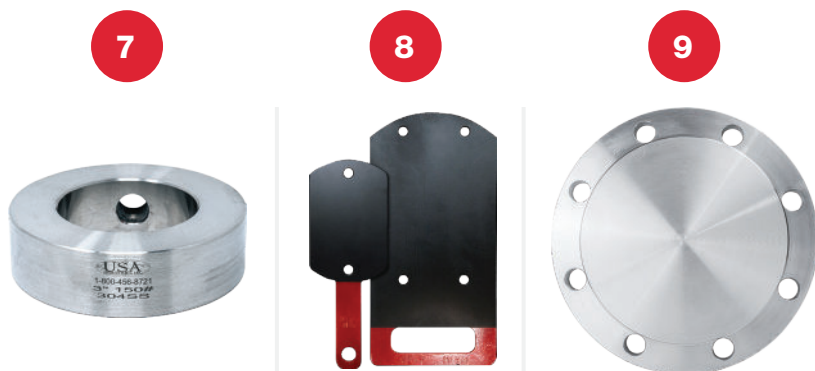
516-GR70 & A105 | 304 & 316 SS

INDUSTRY COMPLIANCE — ASME

B16.48 | B16.47 (>24") | B16.5 | B16.2

* Can customize size, thickness, rating, alloy, and coating

OTHER AVAILABLE FLANGE TYPES



7. BLEED RINGS

8. EZ GUILLOTINE PSV SLIP BLINDS

9. BLIND FLANGES

USA INDUSTRIES OFFERINGS

- Largest Stocked Inventory
- MTR's Available
- Onsite Pick-up or Delivery
- Rent or Purchase Directly from OEM
- Manufactured in the U.S.A.
- 24/7, 365 Days A Year Availability

AVAILABLE BLIND STORAGE OPTIONS

- EZ LOCK BLIND RACK® | EZ LOCK BLIND FLANGE RACK™
- EZ STORE STACKING BLIND FLANGE RACK™ | PSV RACKS
- INVENTORY STORAGE CONTAINERS



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S. Houston, TX • Corpus Christi, TX • Prairieville, LA • Broken Arrow, OK



PADDLE BLIND THICKNESS CHART

USA Industries is the leading provider of industrial piping isolation solutions.

24/7 - 365 days of the year availability, industry leading turnaround times, and the ability to customize any part to your needs makes us the ideal fit for your next project, no matter how big or small.

USA INDUSTRIES provides:

- Piping Isolation & Testing Products
- Tube Plugs
- Orifice Plates
- Tools for Heat Exchangers
- Customer Machining
- Rental Services

Call for more info.

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LINE SIZE (in.)	150#			300#			600#			900#			1500#			2500#			
	ISO	THK	I.D.	THK	O.D.	I.D.	THK	O.D.	I.D.	THK	O.D.	I.D.	THK	O.D.	I.D.	THK	O.D.	I.D.	
1/2	5/16	1-3/4	5/8	5/16	2	5/8	5/16	2	5/8	5/16	2-3/8	5/8	5/16	2-3/8	5/8	5/16	2-5/8	5/8	3/8
3/4	5/16	2-1/2	7/8	5/16	2-1/2	1-1/8	5/16	2-1/2	7/8	5/16	2-1/2	7/8	5/16	2-1/2	7/8	5/16	2-5/8	7/8	3/8
1	5/16	2-1/2	1-1/8	5/16	2-3/4	1-1/8	5/16	2-3/4	1	5/16	2-3/4	1	5/16	3	1	3/8	2-7/8	1	3/8
1-1/4	5/16	2-7/8	1-5/8	5/16	3-1/8	1-5/8	5/16	3-1/8	1-3/8	3/8	3-3/8	1-3/8	3/8	3-3/8	1-3/8	3/8	3-3/4	4	1-3/8
1-1/2	5/16	3-1/4	1-7/8	5/16	3-5/8	1-7/8	5/16	3-5/8	1-5/8	3/8	3-3/4	1-5/8	3/8	3-3/4	1-5/8	1/2	4-1/2	1-5/8	5/8
2	5/16	4	2-3/8	5/16	4-1/4	2-3/8	3/8	4-1/4	2-1/8	3/8	5-1/2	2-1/8	1/2	5-1/2	2	1/2	5-5/8	2	5/8
2-1/2	5/16	4-3/4	2-7/8	5/16	5	2-7/8	3/8	5	2-5/8	1/2	6-3/8	2-5/8	1/2	6-3/8	2-1/2	5/8	6-1/2	2-3/8	3/4
3	5/16	5-1/4	3-1/2	5/16	5-3/4	3-1/2	3/8	5-3/4	3-1/4	1/2	6-1/2	3-1/4	5/8	6-3/4	3	3/4	7-5/8	3	7/8
3-1/2	5/16	6-1/4	4	3/8	6-3/8	4	3/8	6-1/4	3-3/4	5/8									
4	5/16	6-3/4	4-1/2	3/8	7	4-1/2	1/2	7-1/2	4-1/4	5/8	8	4-1/4	3/4	8-1/8	4	7/8	9-1/8	4	1-1/8
5	5/16	7-5/8	5-1/2	3/8	8-3/8	5-1/2	5/8	9-3/8	5-3/8	3/4	9-5/8	5-1/4	7/8	9-7/8	5	1-1/8	10-7/8	5	1-3/8
6	5/16	8-5/8	6-5/8	1/2	9-3/4	6-5/8	5/8	10-3/8	6-3/8	7/8	11-1/4	6-3/8	1	11	6	1-3/8	12-3/8	6	1-5/8
8	5/16	10-7/8	8-5/8	1/2	12	8-5/8	7/8	12-1/2	8-3/8	1-1/8	14	8-3/8	1-3/8	13-3/4	8	1-5/8	15-1/8	7-7/8	2-1/8
10	5/16	13-1/4	10-3/4	5/8	14-1/8	10-3/4	1	15-5/8	10-3/8	1-3/8	17	10-3/8	1-5/8	17	10	2	18-5/8	9-3/4	2-5/8
12	5/16	16	12-3/4	3/4	16-1/2	12-3/4	1-1/8	17-7/8	12-3/8	1-5/8	19-1/2	12-3/8	1-7/8	20-3/8	12	2-3/8	21-1/2	11-3/8	3-1/8
14	5/16	17-5/8	14	3/4	19	14	1-1/4	19-1/4	13-5/8	1-3/4	20-3/8	13-5/8	2-1/8	22-5/8	13-1/8	2-5/8	23-1/2	12-3/8	3-1/8
16	5/16	20-1/8	16	7/8	21-1/8	16	1-1/2	22-1/8	15-5/8	2	22-1/2	15-5/8	2-3/8	25-1/8	15	3	27-5/8	16-7/8	3-3/8
18	5/16	21-1/2	18	1	23-3/8	18	1-5/8	24	17-5/8	2-1/8	25	17-5/8	2-5/8	27-5/8	16-7/8	3-3/8	29-5/8	18-7/8	3-3/4
20	5/16	23-3/4	20	1-1/8	25-5/8	20	1-3/4	26-3/4	19-1/2	2-1/2	27-3/8	19-1/2	2-7/8	29-5/8	18-7/8	3-3/4	31-1/2	19-1/2	3-1/8
22	5/16	25-7/8	22	1-1/4	27-5/8	22	1-7/8	28-3/4	21-1/2	2-3/4	31	23-1/2	2-7/8	32-7/8	23-1/2	3-1/2	35-3/8	22-5/8	4-3/8
24	5/16	28-1/8	24	1-1/4	30-3/8	24	2	31	23-1/2	2-7/8	32-7/8	23-1/2	3-1/2	35-3/8	22-5/8	4-3/8			
MSS SP-44 SERIES "A" SPECS																			
26	5/16	30-3/8	26	1-5/8	32-3/4	26	2-1/2	34	26	3-1/2	34-5/8	26	4-3/8						
28	5/16	32-5/8	28	1-3/4	35-1/4	28	2-3/4	35-7/8	28	3-3/4	37-1/8	28	4-5/8						
30	5/16	34-5/8	30	1-7/8	37-3/8	30	2-7/8	38-1/8	30	4-1/8	39-5/8	30	5						
32	5/16	36-7/8	32	2	39-1/2	32	3-1/8	40-1/8	32	4-3/8	42-1/8	32	5-3/8						
34	5/16	38-7/8	34	2-1/8	41-1/2	34	3-1/4	42-1/8	34	4-5/8	44-5/8	34	5-5/8						
36	5/16	41-1/8	36	2-1/4	43-7/8	36	3-1/2	44-3/8	36	4-7/8	47-1/8	36	6						
38	5/16	43-5/8	38	2-3/8	41-3/8	38	3-5/8	43-3/8	38	5-1/8	47-1/8	38	6-1/4						
40	5/16	45-5/8	40	2-1/2	43-3/4	40	3-7/8	45-3/8	40	5-3/8	49-1/8	40	6-5/8						
42	5/16	47-7/8	42	2-5/8	45-3/4	42	4	47-7/8	42	5-5/8	51-1/8	42	7						
44	5/16	50-1/8	44	2-3/4	47-7/8	44	4-1/4	49-7/8	44	6	53-3/4	44	7-1/4						
46	5/16	52-1/8	46	2-7/8	50	46	4-1/2	52-1/8	46	6-1/4	56-3/8	46	7-5/8						
48	5/16	54-3/8	48	3	52	48	4-5/8	54-5/8	48	6-1/2	58-3/8	48	8						
50	5/16	56-3/8	50	3-1/8	54-1/8	50	4-7/8	56-7/8	50	6-3/4									
52	5/16	58-5/8	52	3-1/4	56-1/8	52	5	58-7/8	52	7									
54	5/16	60-7/8	54	3-1/4	58-5/8	54	5-1/4	61-1/8	54	7-1/4									
56	5/16	63-1/8	56	3-3/8	60-5/8	56	5-3/8	63-3/8	56	7-1/2									
58	5/16	65-3/8	58	3-1/2	62-5/8	58	5-5/8	65-3/8	58	7-7/8									
60	5/16	67-3/8	60	3-5/8	64-5/8	60	5-3/4	68-1/8	60	8-1/8									
API-605 SERIES "B" SPECS																			
26	5/16	28-7/16	26	1-5/8	30-1/4	26	2-1/2	30	26	3-1/2	32-7/8	26	4-3/8						
28	5/16	30-7/16	28	1-3/4	32-3/8	28	2-3/4	32-1/8	28	3-3/4	35-3/8	28	4-5/8						
30	5/16	32-7/16	30	1-7/8	34-3/4	30	2-7/8	34-1/2	30	4-1/8	37-5/8	30	5						
32	5/16	34-9/16	32	2	36-7/8	32	3-1/8	36-5/8	32	4-3/8	39-7/8	32	5-3/8						
34	5/16	36-11/16	34	2-1/8	39	34	3-1/4	39-1/8	34	4-5/8	42-1/8	34	5-5/8						
36	5/16	38-3/4	36	2-3/4	41-1/8	36	3-1/2	41-1/8	36	4-7/8	44-1/8	36	6						
38	5/16	41	38	2-3/8	43-1/8	38	3-5/8	43-1/8	38	5-1/8	47-1/8	38	6-1/4						
40	5/16	43	40	2-1/2	45-1/8	40	3-7/8	45-1/8	40	5-3/8	49-1/8	40	6-5/8						
42	5/16	45	42	2-5/8	47-1/8	42	4	47-7/8	42	5-5/8	51-1/8	42	7						
44	5/16	47	44	2-3/4	49-1/8	44	4-1/4	49-7/8	44	6	53-3/4	44	7-1/4						
46	5/16	49-5/16	46	2-7/8	51-3/4	46	4-1/2	51-3/4	46	6-1/4	56-3/8	46	7-5/8						
48	5/16	51-5/16	48	3	53-3/4	48	3	53-3/4	48	6-1/2	58-3/8	48	8						
50	5/16	53-5/16	50	3-1/8	55-3/4	50	3-1/8	55-3/4	50	6-1/2	60-3/8	50	8						
52	5/16	55-5/16	52	3-1/4	57-3/4	52	4	57-3/4	52	7									
54	5/16	57-1/2	54	3-1/4	60-1/8	54	4-1/4	60-1/8	54	7-1/4									
56	5/16	59-1/2	56	3-3/8	62-5/8	56	4-1/2	62-5/8	56	7-1/2									
58	5/16	62-1/16	58	3-1/2	65-1/16	58	4-5/8	65-1/16	58	7-7/8									
60	5/16	64-1/16	60	3-5/8	67-1/16	60	5-3/4	67-1/16	60	8-1/8									

METHODOLOGY

Line sizes up to 96" are available. Standard isolation thickness is 5/16" (+/-1/16). Any thickness rating or alloy is available upon request.

Sizes and thicknesses meet the following specifications ASME 16.48, ASME 16.5, ASME B16.47.

Blank thicknesses over 24 NPS were calculated using the equation for blanks in ASME B31.3 as follows:

$$T = d \sqrt{((3P) / (16SE))}$$

d = I.D. of ring gasket (in.)

T = Blank Thickness (in.)

S = 23,300psi

E = 1.00

P = Design Gauge Pressure psi.

S (Basic Allowable Stress) and E (Quality Factor) values were determined from tables A1 and A1-A from B31.3 for 516-Gr 70 material with the temperature range of -20 to 100° Fahrenheit. This calculation does not take into consideration any required corrosion allowance if needed.

BLIND HANDLE COLORS

150# - RED
300# - BLUE
600# - YELLOW
900# - GREEN
1500# - WHITE
2500# - ORANGE



**AVAILABLE 24/7,
365 DAYS A YEAR!**