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PADDLE BLINDS - HYDROTEST THICKNESS CHART

LINE	150#		300#		600#		900#		1500#		2500#			
SIZE	SF 2.5		SF 2.5		SF 3.0		SF 3.0		SF 3.0		SF 3.0			
(INCHES)	O.D.	TKHS.	O.D.	TKHS.	O.D.	TKHS.	O.D.	TKHS.	O.D.	TKHS.	O.D.	TKHS.		
1/2"	1-3/4"	5/16"	2"	5/16"	2"	5/16"	2-3/8"	5/16"	2-3/8"	5/16"	2-5/8"	3/8"		
3/4"	2-1/8"		2-1/2"		2-5/8"		2-5/8"		3/8"	2-7/8"	3/8"			
1"	2-1/2"		2-3/4"		3"		3"		3/8"	3-1/4"	3/8"			
1-1/4"	2-7/8"		3-1/8"	3/8"	3-3/8"	3/8"	3-3/8"	3/8"	4"	1/2"				
1 1/2"	3-1/4"		3-5/8"		3-5/8"		3-3/4"	3-3/4"	1/2"	4-1/2"	1/2"			
2"	4"		4-1/4"	3/8"	4-1/4"	1/2"	5-1/2"	1/2"	5-1/2"	1/2"	5-5/8"	5/8"		
2-1/2"	4-3/4"	5"	5"		6-3/8"		6-3/8"		5/8"	6-1/2"	3/4"			
3"	5-1/4"	5-3/4"	5-3/4"		6-1/2"		5/8"	6-3/4"	3/4"	7-5/8"	7/8"			
3-1/2"	6-1/4"	3/8"	6-3/8"	1/2"	6-1/4"	5/8"								
4"	6-3/4"		7"		1/2"		7-1/2"	5/8"	8"	3/4"	8-1/8"	7/8"	9-1/8"	1-1/8"
5"	7-5/8"		8-3/8"		9-3/8"		9-5/8"		9-7/8"		1-1/8"	10-7/8"	1-3/8"	
6"	8-5/8"		9-3/4"	5/8"	10-3/8"	3/4"	11"	7/8"	11"	1-3/8"	12-3/8"	1-5/8"		
8"	10-7/8"	1/2"	12"	5/8"	12-1/2"	7/8"	14"	1"	13-3/4"	1-5/8"	15-1/8"	2-1/8"		
10"	13-1/4"		14-1/8"	7/8"	15-5/8"	1-1/8"	17"	1-3/8"	17"	2"	18-5/8"	2-5/8"		
12"	16"	5/8"	16-1/2"	1"	17-5/8"	1-3/8"	19-1/2"	1-5/8"	20-3/8"	2-3/8"	21-1/2"	3-1/8"		
14"	17-5/8"	3/4"	19"	1-1/8"	19-1/4"	1-5/8"	20-3/8"	1-7/8"	22-5/8"	2-5/8"				
16"	20-1/8"		21-1/8"	1-1/4"	22-1/8"	1-3/4"	22-1/2"	2-1/8"	25-1/8"	3"				
18"	21-1/2"	7/8"	23-3/8"	1-1/2"	24"	2"	25"	2-3/8"	27-5/8"	3-3/8"				
20"	23-3/4"	1"	25-5/8"	1-5/8"	26-3/4"	2-1/8"	27-3/8"	2-5/8"	29-5/8"	3-3/4"				
22"	25-7/8"	1-1/8"	27-5/8"	1-3/4"	28-3/4"	2-1/2"								
24"	28-1/8"	1-1/4"	30-3/8"	1-7/8"	31"	2-3/4"	32-7/8"	2-7/8"	35-3/8"	4-3/8"				
26"	30-3/8"	1-3/8"	32-3/4"	2"	34"	2-7/8"	34-5/8"	3-1/2"						
28"	32-5/8"	1-1/2"	35-1/4"		35-7/8"	3-1/8"	37-1/8"	3-3/4"						
30"	34-5/8"	1-5/8"	37-3/8"	2-1/8"	38-1/8"	3-3/8"	39-5/8"	4-1/8"						
32"	36-7/8"	1-3/4"	39-1/2"	2-3/8"	40-1/8"	3-5/8"	42-1/8"	4-3/8"						
34"	38-7/8"	1-7/8"	41-1/2"	2-5/8"	42-1/8"	4-1/8"	44-5/8"	5"						
36"	41-1/8"	2"	43-7/8"	2-3/4"	44-3/8"	4-1/4"	47-1/8"	5-1/4"						

- NOTES: 1). Blank thickness as shown in the table are per ANSI/ASME B16-1 pressure temperature rating for the flanges.
2). The thicknesses were calculated using the equation for blanks in ANSI/ASME B31-3 as follows: $+m = dg \cdot 3P \cdot 16SE + C$ where: $C = 0.02$, $DG = 1.D$ of ring gaskets (inches), $T =$ Blank thickness (inches), $SE = 24,400$ psi
SF = Safety factor.