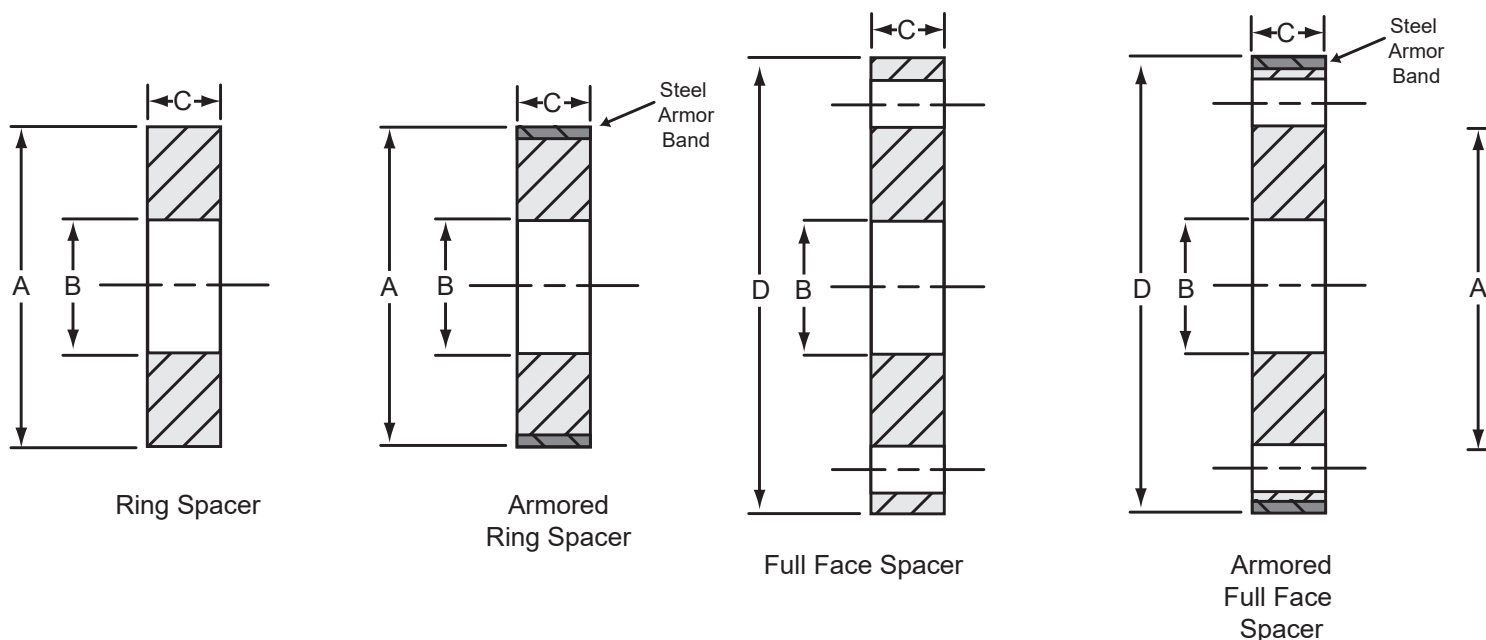


## Spacers, Solid PTFE/PP/PVDF



Size In. (DN)	Ring		B (Class 150 and 300)		Class 150 Full Face			Class 300 Full Face		
	A		PTFE	PP/PVDF	D	Number and Dia. of Bolt Holes	Bolt Circle Diameter in. (mm)	D	Number and Dia. of Bolt Holes	Bolt Circle Diameter in. (mm)
	Class 150	Class 300								
	in. (mm)		in. (mm)	in. (mm)	in. (mm)	(no.) dia.*	in. (mm)	in. (mm)	in. (mm)	in. (mm)
1/2 (15)	1 7/8 (48)	2 1/8 (54)	0.5 (13)	1/2 (13)	3 1/2 (89)	(4) 5/8	2 3/8 (60)	3 3/4 (95)	(4) 5/8	2 5/8 (67)
3/4 (20)	2 1/4 (57)	2 5/8 (67)	0.625 (16)	5/8 (16)	3 7/8 (98)	(4) 5/8	2 3/4 (70)	4 5/8 (117)	(4) 3/4	3 1/4 (83)
1 (25)	2 5/8 (67)	2 7/8 (73)	1 (25)	11/16 (17)	4 1/4 (108)	(4) 5/8	3 1/8 (79)	4 7/8 (124)	(4) 3/4	3 1/2 (89)
1 1/2 (40)	3 3/8 (86)	3 3/4 (95)	1.5 (38)	1 5/16 (33)	4 5/8 (117)	(4) 5/8	3 7/8 (98)	6 1/8 (156)	(4) 7/8	4 1/2 (114)
2 (50)	4 1/8 (105)	4 3/8 (111)	2 (51)	1 3/4 (44)	6 (152)	(4) 3/4	4 3/4 (121)	6 1/2 (165)	(8) 3/4	5 (127)
3 (80)	5 3/8 (137)	5 7/8 (149)	3 (76)	2 11/16 (68)	7 1/2 (191)	(4) 3/4	6 (152)	8 1/4 (210)	(8) 7/8	6 5/8 (168)
4 (100)	6 7/8 (175)	7 1/8 (181)	4 (102)	3 5/8 (279)	9 (229)	(8) 3/4	7 1/2 (191)	10 (254)	(8) 7/8	7 7/8 (200)
6 (150)	8 3/4 (222)	9 7/8 (251)	6 (152)	5 9/16 (533)	11 (279)	(8) 7/8	9 1/2 (241)	12 1/2 (318)	(12) 7/8	10 5/8 (270)
8 (200)	11 (279)	12 1/8 (308)	8 (203)	7 1/2 (191)	13 1/2 (343)	(8) 7/8	11 3/4 (298)	15 (381)	(12) 1	13 (330)
10 (250)	13 3/8 (340)	14 1/4 (362)	10 (254)	9 11/16 (246)	16 (406)	(12) 1	14 1/4 (362)	17 1/2 (445)	(16) 1 1/8	15 1/4 (387)
12 (300)	16 1/8 (410)	16 5/8 (422)	12 (305)	12 (305)	19 (483)	(12) 1	17 (432)	20 1/2 (521)	(16) 1 1/4	17 3/4 (451)
14 (350)	17 3/4 (451)	19 1/8 (486)	13 1/8 (333)	13 1/8 (333)	21 (533)	(12) 1 1/8	18 3/4 (476)	23 (584)	(20) 1 1/4	20 1/4 (514)
16 (400)	20 1/4 (514)	21 1/4 (540)	15 (381)	15 (381)	23 1/2 (597)	(16) 1 1/8	21 1/4 (540)	25 1/2 (648)	(20) 1 3/8	22 1/4 (565)
18 (450)	21 5/8 (549)	23 1/2 (597)	17 (432)	17 (432)	25 (635)	(16) 1 1/4	22 3/4 (578)	28 (711)	(24) 1 3/8	24 3/4 (629)
20 (500)	23 7/8 (606)	25 3/4 (654)	19 (483)	19 (483)	27 1/2 (699)	(20) 1 1/4	25 (635)	30 1/2 (775)	(24) 1 3/8	27 (686)
24 (600)	28 1/4 (718)	30 1/2 (775)	23 1/4 (591)	23 1/4 (591)	32 (813)	(20) 1 3/8	29 1/2 (749)	36 (914)	(24) 1 5/8	32 (813)

\* Hole diameter in inches

Standard thickness "C" is 1/2". Custom thicknesses available. Maximum thickness = 3".

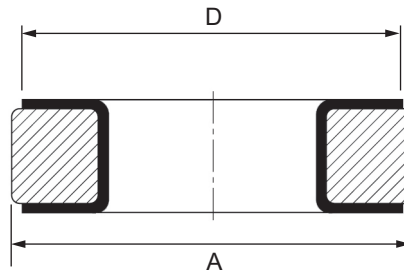
When using butterfly valves in a lined pipe system, spacers are recommended on each side of the valve to ensure the valve fully opens.

Consult factory for dimensions of spacers for use with butterfly valves.

Other spacer options include tapered spacers, spacers for butterfly valves, radial drill and tap, reducing spacers, blind spacers, and custom ID spacers.

## Ring Spacers, PTFE-Lined

Not vacuum rated  
Consult factory for weights  
Also available in stainless steel



ASME Class 150									
Size		Dimensions							
NPS	DN	A		D		Minimum Length		Maximum Length	
		Inch	mm	Inch	mm	Inch	mm	Inch	mm
1/2	15	1 3/4	44	1 3/8	35	1/2	13	3	76
3/4	20	2 1/16	53	1 11/16	43				
1	25	2 5/8	67	2	51				
1 1/2	40	3 3/8	86	2 7/8	73				
2	50	4 1/8	105	3 5/8	92				
3	80	5 3/8	137	5	127				
4	100	6 7/8	175	6 3/16	157	3/4	19		
6	150	8 3/4	222	8 1/2	216				
8	200	11	279	10 5/8	270				
10	250	13 3/8	340	12 3/4	324	1	25		
12	300	16 1/8	410	15	381				
14	350	17 5/8	447	16 1/4	412	1 9/16	40	12 1/2	318
16	400	20 1/16	510	18 1/2	470	1 9/16	40	18 3/4	476
18	450	21 1/2	545	21	534	1 9/16	40	13 3/8	340
20	500	23 3/4	602	23	585	2 3/8	60	14 3/8	365
24	600	28 1/8	714	27 1/4	692	2 3/8	60	14 3/4	375