

Specifications for Flange Connection Insulation:

A.S.A Standard Gaskets: B16.21(4)

A.S.A. SERIES 15-150# CLASS

Flange Size	(Number) & Size of Bolts	Ring Gasket		Full Face Gasket O.D.	RTJ
		I.D.	O.D.		
1"	(4) 1/2"	1"	2 5/8"	4 1/4"	R-15
1 1/4"	(4) 1/2"	1 1/4"	3"	4 5/8"	R-17
1 1/2"	(4) 1/2"	1 1/2"	3 3/8"	5"	R-19
2"	(4) 5/8"	2"	4 1/8"	6"	R-22
2 1/2"	(4) 5/8"	2 1/2"	4 7/8"	7"	R-25
3"	(4) 5/8"	3"	5 3/8"	7 1/2"	R-29
3 1/2"	(8) 5/8"	3 1/2"	6 3/8"	8 1/2"	R-33
4"	(8) 5/8"	4"	6 7/8"	9"	R-36
5"	(8) 3/4"	5"	7 3/4"	10"	R-40
6"	(8) 3/4"	6"	8 3/4"	11"	R-43
8"	(8) 3/4"	8"	11"	13 1/2"	R-48
10"	(12) 7/8"	10"	13 3/8"	16"	R-52
12"	(12) 7/8"	12"	16 1/8"	19"	R-56
14"	(12) 1"	14"	17 3/4"	21"	R-59
16"	(16) 1"	16"	20 1/4"	23 1/2"	R-64
18"	(16) 1 1/8"	18"	21 5/8"	25"	R-68
20"	(20) 1 1/8"	20"	23 7/8"	27 1/2"	R-72
24"	(20) 1 1/4"	24"	28 1/4"	32"	R-76
30"	(28) 1 1/4"	30"	34 3/4"	38 3/4"	
36"	(32) 1 1/2"	36"	41 1/4"	46"	
42"	(36) 1 1/2"	42"	48"	53"	
48"	(44) 1 1/2"	48"	54 1/2"	59 1/2"	

A.S.A. SERIES 30-300# CLASS

Flange Size	(Number) & Size of Bolts	Ring Gasket		Full Face Gasket O.D.	RTJ
		I.D.	O.D.		
1"	(4) 5/8"	1"	2 7/8"	4 7/8"	R-16
1 1/4"	(4) 5/8"	1 1/4"	3 1/4"	5 1/4"	R-18
1 1/2"	(4) 3/4"	1 1/2"	3 3/4"	6 1/8"	R-20
2"	(8) 5/8"	2"	4 3/8"	6 1/2"	R-23
2 1/2"	(8) 3/4"	2 1/2"	5 1/8"	7 1/2"	R-26
3"	(8) 3/4"	3"	5 7/8"	8 1/4"	R-31
3 1/2"	(8) 3/4"	3 1/2"	6 1/2"	9"	R-34
4"	(8) 3/4"	4"	7 1/8"	10"	R-37
5"	(8) 3/4"	5"	8 1/2"	11"	R-41
6"	(12) 3/4"	6"	9 7/8"	12 1/2"	R-45
8"	(12) 7/8"	8"	12 1/8"	15"	R-49
10"	(16) 1"	10"	14 1/4"	17 1/2"	R-53
12"	(16) 1 1/8"	12"	16 5/8"	20 1/2"	R-57
14"	(20) 1 1/8"	13 1/4"	19 1/8"	23"	R-61
16"	(20) 1 1/4"	15 1/4"	21 1/4"	25 1/2"	R-65
18"	(24) 1 1/4"	17"	23 1/2"	28"	R-69
20"	(24) 1 1/4"	19"	25 3/4"	30 1/2"	R-73
24"	(24) 1 1/2"	23"	30 1/2"	36"	R-77
36"	(32) 2"	35"	44"	50"	R-98
42"	(36) 2"	41"	50 3/4"	57"	
48"	(40) 2"	47"	52 7/8"	65"	

A.S.A. SERIES 40-400# CLASS

Flange Size	(Number) & Size of Bolts	Ring Gasket		Full Face Gasket O.D.	RTJ
		I.D.	O.D.		
1"	(4) 5/8"	1"	2 7/8"	4 7/8"	R-16
1 1/4"	(4) 5/8"	1 1/4"	4 1/4"	5 1/4"	R-18
1 1/2"	(4) 3/4"	1 1/2"	3 3/4"	6 1/8"	R-20
2"	(8) 5/8"	2"	4 3/8"	6 1/2"	R-23
2 1/2"	(8) 3/4"	2 1/2"	5 1/8"	7 1/2"	R-26
3"	(8) 3/8"	3"	5 7/8"	8 1/4"	R-31
3 1/2"	(8) 7/8"	3 1/2"	6 3/8"	9"	R-34
4"	(8) 7/8"	4"	7"	10"	R-37
5"	(8) 7/8"	5"	8 3/8"	11"	R-41
6"	(12) 7/8"	6"	9 3/4"	12 1/2"	R-45
8"	(12) 1"	8"	12"	15"	R-49
10"	(16) 1 1/8"	10"	14 1/8"	17 1/2"	R-53
12"	(16) 1 1/4"	12"	16 1/2"	20 1/2"	R-57
14"	(20) 1 1/4"	13 1/8"	19"	23"	R-61
16"	(20) 1 3/8"	15"	21 1/8"	25 1/2"	R-65
18"	(24) 1 3/8"	17"	23 3/8"	28"	R-69
20"	(24) 1 1/2"	18 7/8"	25 1/2"	30 1/2"	R-73
24"	(24) 1 3/4"	22 5/8"	30 1/4"	36"	R-77

Wall thickness of sleeves: 1/32"

Thickness of Phenolic Washers: 1/8"

Wall thickness of Washer on Nylon Combination Sleeve and Washer: 1/8"