



PT. AREZDA PURNAMA LOKA
Pressure Vessels & Sealing Technology Products Manufacturing

FLANGE INSULATION GASKET



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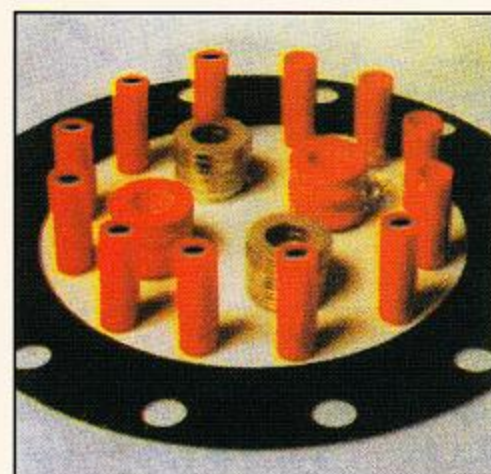
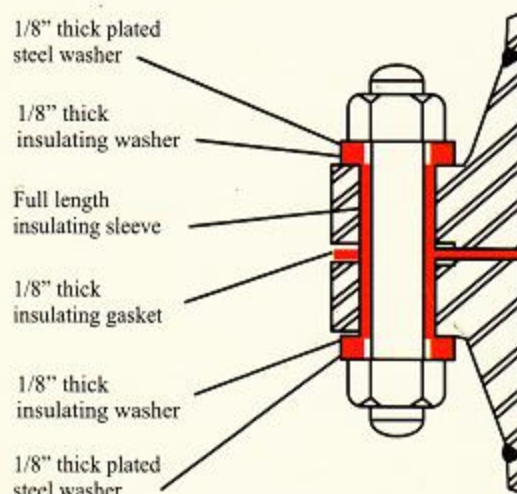
INGI STYLE - 0888 (Flange Insulation Gaskets)

Type "E"

FULL FACE

In this type the central gasket extends across the flange face to the outside diameter affording full protection to the flange. The bolt holes in the gasket match exactly those on the flange thus making installation simple.

Material choice - 1/8" thick Neoprene-faced reinforced Phenolic*, plain reinforced Phenolic or special C.A.F.

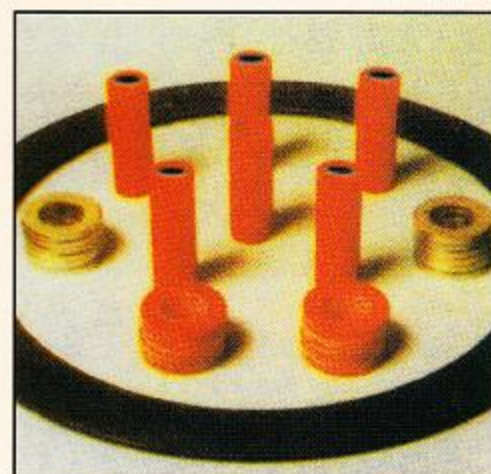
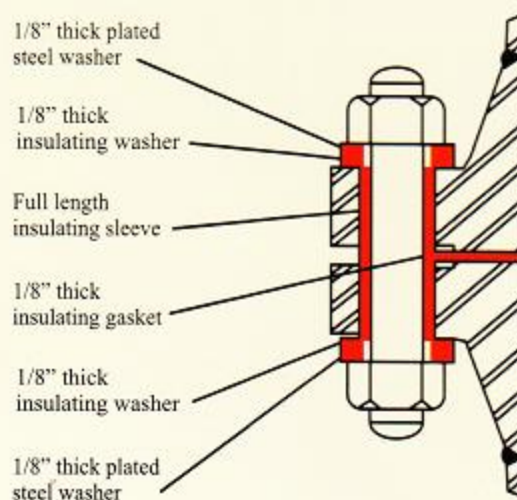


Type "F"

RAISED FACE

In this type the central gasket is located inside the flange bolt circle and sits on the raised face portion of the flange.

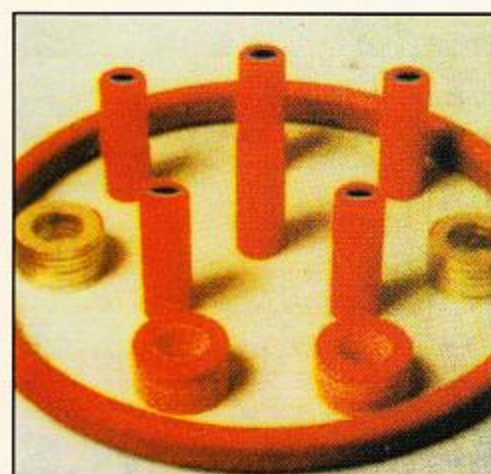
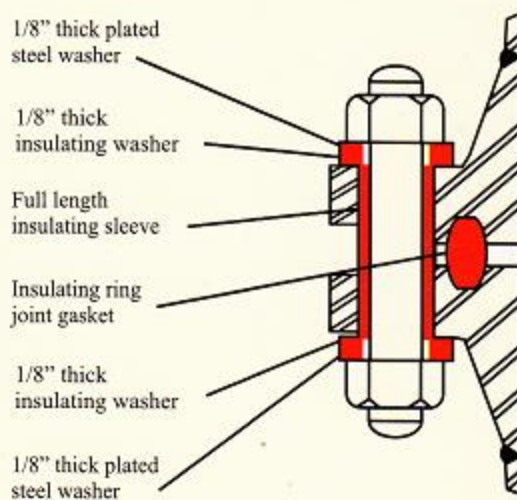
Material choice - 1/8" thick Neoprene-faced reinforced Phenolic*, plain reinforced Phenolic or special C.A.F.



Type "D"

RING GROOVE

This type of oval central gasket is manufactured to locate in the ring groove of the R.T.J. flange and is dimensioned as per the ANSI standards. It is only available in reinforced Phenolic.



INGI FLANGE INSULATION SPECIFICATIONS

GASKETS				SLEEVES		WASHER		GASKETS				SLEEVES		WASHER	
Flange Size	ANSI Lb. Class	RTJ API & ASA Ring No.	Number and Size of Bolts	I.D. Inches	Length Inches	I.D. Inches	O.D. Inches	Flange Size	ANSI Lb. Class	RTJ API & ASA Ring No.	Number and Size of Bolts	I.D. Inches	Length Inches	I.D. Inches	O.D. Inches
1	150	R-15	4 - 1/2	1/2	1 5/16	9/16	1 1/8	8	150	R-48	8 - 3/4	3/4	2 7/16	13/16	1 9/16
	300	R-16	4 - 5/8	5/8	1 9/16	11/16	1 5/16		300	R-49	12 - 7/8	7/8	3 7/16	15/16	1 3/4
	400, 600	R-16	4 - 5/8	5/8	2 1/16	11/16	1 5/16		400	R-49	12 - 1	1	4 7/16	1 1/16	2
	900, 1500	R-16	4 - 7/8	7/8	2 15/16	15/16	1 3/4		600	R-49	12 - 1 1/8	1 1/8	5 1/16	1 3/16	2 3/16
	2500	R-18	4 - 7/8	7/8	3 7/16	15/16	1 3/4		900	R-49	12 - 1 3/8	1 3/8	5 11/16	1 7/16	2 5/8
1 1/4	150	R-17	4 - 1/2	1/2	1 7/16	9/16	1 1/8	10	1500	R-50	12 - 1 5/8	1 5/8	7 15/16	1 11/16	3 1/16
	300	R-18	4 - 5/8	5/8	1 11/16	11/16	1 5/16		2500	R-51	12 - 2	2	10 11/16	2 1/16	3 3/4
	400, 600	R-18	4 - 5/8	5/8	2 5/16	11/16	1 5/16		150	R-52	12 - 7/8	7/8	2 9/16	15/16	1 3/4
	900, 1500	R-18	4 - 7/8	7/8	2 15/16	15/16	1 3/4		300	R-53	16 - 1	1	3 15/16	1 1/16	2
	2500	R-21	4 - 1	1	3 11/16	15/16	2		400	R-53	16 - 1 1/8	1 1/8	4 15/16	1 3/16	2 3/16
1 1/2	150	R-19	4 - 1/2	1/2	1 9/16	9/16	1 1/8	12	600	R-53	16 - 1 1/4	1 1/4	5 11/16	1 5/16	2 7/16
	300	R-20	4 - 3/4	3/4	1 13/16	13/16	1 9/16		900	R-53	16 - 1 3/8	1 3/8	6 3/16	1 7/16	2 5/8
	400, 600	R-20	4 - 3/4	3/4	2 7/16	13/16	1 9/16		1500	R-54	12 - 1 7/8	1 7/8	9 3/16	1 15/16	3 1/2
	900, 1500	R-20	4 - 1	1	3 1/16	1 1/16	2		2500	R-55	12 - 2 1/2	2 1/2	10 11/16	2 9/16	4 5/8
	2500	R-23	4 - 1 1/8	1 1/8	4 3/16	1 3/16	2 3/16		150	R-56	12 - 7/8	7/8	2 11/16	15/16	1 3/4
2	150	R-22	4 - 5/8	5/8	1 11/16	11/16	1 5/16	14	300	R-57	16 - 1 1/8	1 1/8	4 3/16	1 3/16	2 3/16
	300	R-23	8 - 5/8	5/8	1 15/16	11/16	1 5/16		400	R-57	16 - 1 1/4	1 1/4	5 3/16	1 5/16	2 7/16
	400, 600	R-23	8 - 5/8	5/8	2 11/16	11/16	1 5/16		600	R-57	20 - 1 1/4	1 1/4	5 15/16	1 5/16	2 7/16
	900, 1500	R-24	8 - 7/8	7/8	3 11/16	15/16	1 3/4		900	R-57	20 - 1 3/8	1 3/8	6 15/16	1 7/16	2 5/8
	2500	R-26	8 - 1	1	4 11/16	1 1/16	2		1500	R-58	16 - 2	2	10 7/16	2 1/16	3 3/4
2 1/4	150	R-25	4 - 5/8	5/8	1 15/16	11/16	1 5/16	16	2500	R-60	12 - 2 3/4	2 3/4	15 3/16	2 13/16	15 1/16
	300	R-26	8 - 3/4	3/4	2 3/16	13/16	1 9/16		150	R-59	12 - 1	1	2 15/16	1 1/16	2
	400, 600	R-26	8 - 3/4	3/4	2 15/16	13/16	1 9/16		300	R-61	20 - 1 1/8	1 1/8	4 7/16	1 3/16	2 3/16
	900, 1500	R-27	8 - 1	1	3 15/16	1 1/16	2		400	R-61	20 - 1 1/4	1 1/4	5 7/16	1 5/16	2 7/16
	2500	R-28	8 - 1 1/8	1 1/8	5 3/16	1 3/16	2 3/16		600	R-61	20 - 1 3/8	1 3/8	6 3/16	1 7/16	2 5/8
3	150	R-29	4 - 5/8	5/8	2 1/16	11/16	1 5/16	18	900	R-62	20 - 1 1/2	1 1/2	7 7/16	1 9/16	2 7/8
	300	R-31	8 - 3/4	3/4	2 7/16	13/16	1 9/16		1500	R-63	16 - 2 1/4	2 3/4	11 3/16	2 5/16	4 3/16
	400, 600	R-31	8 - 3/4	3/4	3 3/16	13/16	1 9/16		150	R-64	16 - 1	1	3 1/16	1 1/16	2
	900	R-31	8 - 7/8	7/8	3 11/16	15/16	1 3/4		300	R-65	20 - 1 1/4	1 1/4	4 11/16	1 5/16	2 7/16
	1500	R-35	8 - 1 1/8	1 1/8	4 7/16	13/16	2 3/16		400	R-65	20 - 1 3/8	1 3/8	5 11/16	1 7/16	2 5/8
3 1/2	2500	R-32	8 - 1 1/4	1 1/4	5 15/16	1 5/16	2 7/16	20	600	R-65	20 - 1 1/2	1 1/2	6 11/16	1 9/16	2 7/8
	150	R-33	8 - 5/8	5/8	2 1/16	11/16	1 5/16		900	R-66	20 - 1 5/8	1 5/8	7 11/16	1 11/16	3 1/16
	300	R-34	8 - 3/4	3/4	2 9/16	13/16	1 9/16		1500	R-67	16 - 2 1/2	2 1/2	12 3/16	2 9/16	4 5/8
	400, 600	R-34	8 - 7/8	7/8	3 7/16	15/16	1 3/4		150	R-68	16 - 1 1/8	1 1/8	3 5/16	1 3/16	2 3/16
									300	R-69	24 - 1 1/4	1 1/4	4 15/16	1 5/16	2 7/16
4	150	R-36	8 - 5/8	5/8	2 1/16	11/16	1 5/16	24	400	R-69	24 - 1 3/8	1 3/8	5 15/16	1 7/16	2 5/8
	300	R-37	8 - 3/4	3/4	2 11/16	13/16	1 9/16		600	R-69	20 - 1 5/8	1 5/8	7 3/16	1 11/16	3 1/16
	400	R-37	8 - 7/8	7/8	3 7/16	15/16	1 3/4		900	R-70	20 - 1 7/8	1 7/8	8 11/16	1 15/16	3 1/2
	600	R-37	8 - 7/8	7/8	3 11/16	15/16	1 3/4		1500	R-71	16 - 2 3/4	2 3/4	13 7/16	2 13/16	5 1/32
	900	R-37	8 - 1 1/8	1 1/8	4 3/16	1 3/16	2 3/16		150	R-72	20 - 1 1/8	1 1/8	3 9/16	1 3/16	2 3/16
5	1500	R-39	8 - 1 1/4	1 1/4	4 15/16	1 5/16	2 7/16	20	300	R-73	24 - 1 1/4	1 1/4	5 3/16	1 5/16	2 7/16
	2500	R-38	8 - 1 1/2	1 1/2	6 11/16	1 9/16	2 7/8		400	R-73	24 - 1 1/2	1 1/2	6 3/16	1 9/16	2 7/8
	150	R-40	8 - 3/4	3/4	2 1/16	13/16	1 9/16		600	R-73	24 - 1 5/8	1 5/8	7 11/16	1 11/16	3 1/16
	300	R-41	8 - 3/4	3/4	2 15/16	13/16	1 9/16		900	R-74	20 - 2	2	9 3/16	2 1/16	3 3/4
	400	R-41	8 - 7/8	7/8	3 11/16	15/16	1 3/4		1500	R-75	16 - 3	3	14 11/16	3 1/16	5 1/2
6	600	R-41	8 - 1	1	4 3/16	1 1/16	2	24	150	R-76	20 - 1 1/4	1 1/4	3 15/16	1 5/16	2 7/16
	900	R-41	8 - 1 1/4	1 1/4	4 11/16	1 5/16	2 7/16		300	R-77	24 - 1 1/2	1 1/2	5 11/16	1 9/16	2 7/8
	1500	R-44	8 - 1 1/2	1 1/2	6 7/16	1 9/16	2 7/8		400	R-77	24 - 1 3/4	1 3/4	6 11/16	1 13/16	3 5/16
	2500	R-42	8 - 1 3/4	1 3/4	7 15/16	1 13/16	3 - 5/16		600	R-77	24 - 1 7/8	1 7/8	8 11/16	1 15/16	3 1/2
									900	R-78	20 - 1 1/2	2 1/2	11 11/16	2 9/16	4 5/8
6	150	R-43	8 - 3/4	3/4	2 3/16	13/16	1 9/16	24	1500	R-79	16 - 3 1/2	3 1/2	16 11/16	3 9/16	6 3/8
	300	R-45	12 - 3/4	3/4	3 1/16	13/16	1 9/16								
	400	R-45	12 - 7/8	7/8	3 15/16	15/16	1 3/4								
	600	R-45	12 - 1	1	4 7/16	1 1/16	2								
	900	R-45	12 - 1 1/8	1 1/8	5 1/16	1 3/16	2 3/16								
6	1500	R-46	12 - 1 3/8	1 1/8	7 3/16	1 7/16	2 5/8	24							
	2500	R-47	8 - 2	2	9 3/16	2 1/16	3 3/4								

* E & F Gaskets are made to ANSI specifications unless otherwise specified.

** Sleeves are full length as shown unless otherwise specified.

FLANGE INSULATING GASKETS

Flange Insulation Sets are designed to assist in combating the effect of corrosion found in flanged pipe systems by offering precision made components from a range of proven high quality materials as a long term solution to this problem.

These sets are available in three types:

Type 'E' - Full Face,
Type 'F' - Raised Face,
Type 'D' - Ring Groove.

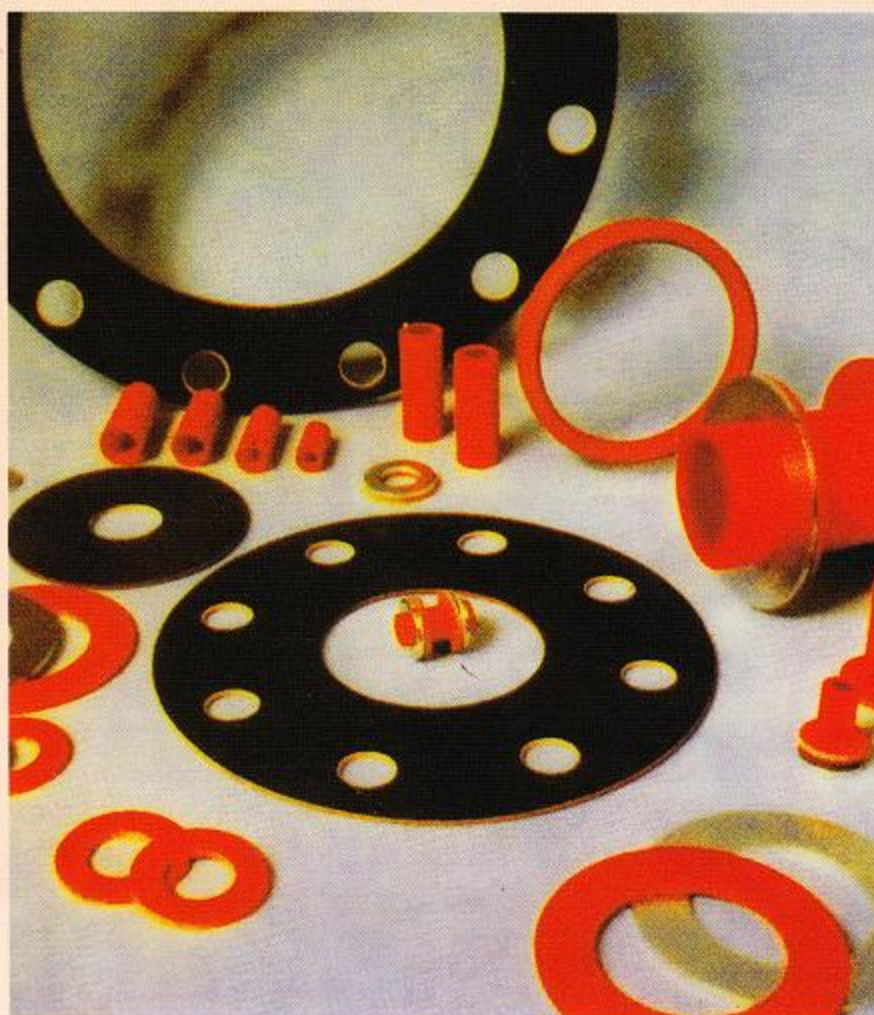
Each set comprises:

One Central gasket either 1/8" thick flat section or an oval section ring type.

One full length insulating sleeve per bolt.

Two insulating and two plated steel washers per bolt.

These sets are individually packed and clearly labeled with the flange rating, sizes, type and material combination.



Materials of Construction

Central Gaskets

Type 'E' and 'F' are available in Neoprene-faced reinforced Phenolic*, plain reinforced Phenolic or special C.A.F. and are 1/8" thick. Type 'D' is available only in reinforced Phenolic.

Sleeves & Washers

Insulating Sleeves are available in either Polyethylene* or reinforced Phenolic and have a 1/32" wall thickness.

Insulating Washers are available in either reinforced Phenolic* or special C.A.F. and are 1/8" thick.

Metal Back-Up Washers are supplied in 1/8" thick steel, plated for rust protection.



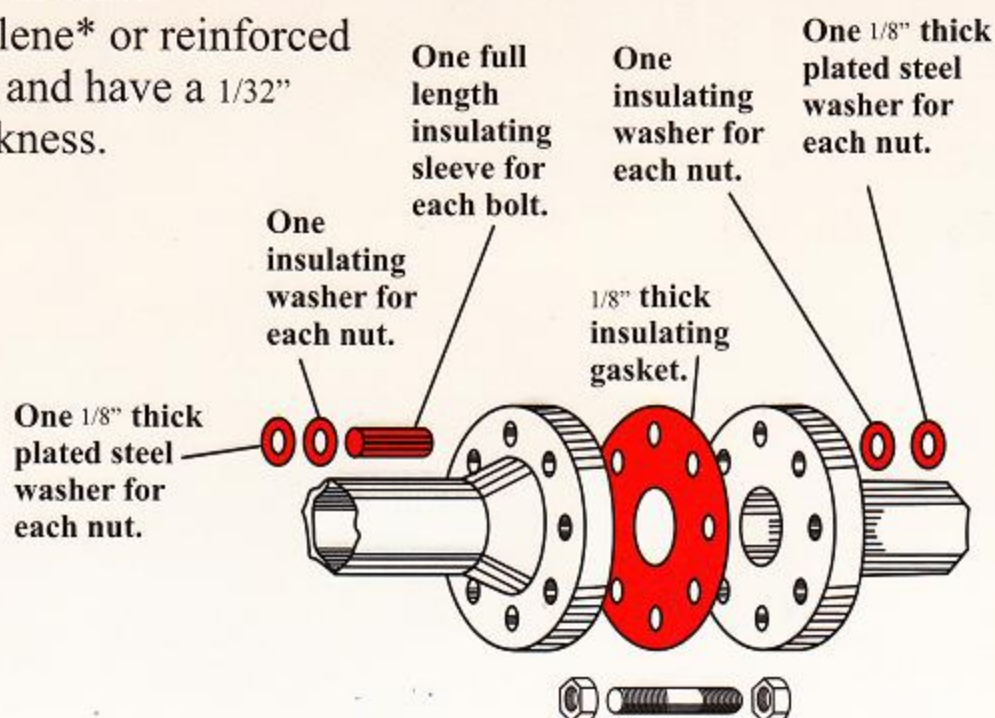
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*Unless otherwise specified this material will be supplied