GASKETS - FIBRE - RUBBER MATERIAL FULL FACE AND RING TYPE

Flange gaskets are used to create a static seal between two flanges faces, at various operating conditions, with varied pressure and temperature ratings. A gasket fills the microscopic spaces and irregularities of the flange faces, and then it forms a seal that is designed to keep in liquids and gases. Non metallic gaskets such as fibre or rubber are the most popular for low pressure applications.

Natural Rubber gaskets that are made from commercial grade rubber with cotton reinforecment are intended for general purpose uses. These are a FULL FACE gasket usually.

Also available is a non-reinforced NBR polymer content type that exhibit excellent performance on petroleum based products also giving good abrasion resistance.. The below data is for the reinforced type.

Chemical Resistance	
Weathering and Ozone	Fair
Abrasion	Fair
Acids	Poor
Caustics/ Alkalies	Good
Oils and Petroleum Products	Poor
Organic Solvents	Not Recommended

Basic Properties	
Specific Gravity	1.55 g/cm_
Hardness	70 Shore A
Tensile	3500 kPa
Elongation	300%
MAX Temperature	65°C

Applications - Air, Water, Low pressure steam

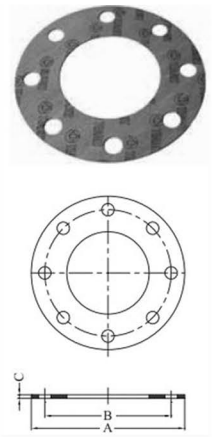
Fibre gaskets are now asbestos free made from Aramid fibres and other inorganic fillers bonded to give high strength and increased pressure and temperatures applications. Fibre gaskets are available in FULL FACE ie with bolt holes and ring type, the latter typically used in American flanges ie Class 150 and Class 300.

Working Conditions	
Peak Temperature	+ 400°C
Constant Temperature	+ 240°C
Peak Pressure	up to 11000 kPa
Constant Working Pressure	5000 kPa

Applications - Air, Water, low pressure steam, petroleum derivatives, oil, gas and general chemical products

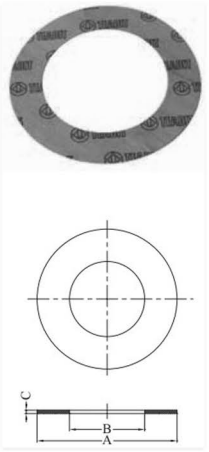
Fibre Gaskets (Table E)

Fibre Gaskets (Table E)						
IMPERIAL SIZE	A	B	C	NO. HOLES	HOLE DIAMETER	APPROX. KG/PC
1/2	95	67	1.5	4	14	0.02
3/4	102	73	1.5	4	14	0.02
1	114	83	1.5	4	14	0.02
1 1/4	121	87	1.5	4	14	0.03
1 1/2	133	98	1.5	4	14	0.03
2	152	114	1.5	4	18	0.04
2 1/2	165	127	1.5	4	18	0.04
3	184	146	1.5	4	18	0.05
4	216	178	1.5	4	18	0.06
5	254	210	1.5	8	18	0.07
6	279	235	1.5	8	18	0.09
8	337	292	1.5	8	18	0.1
10	406	356	1.5	12	22	0.12
12	457	406	1.5	12	22	0.14



Fibre Ring Gaskets (Class 150)

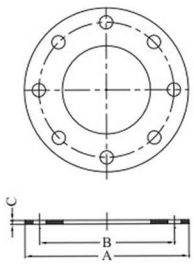
Fibre Ring Gaskets Class 150			
IMPERIAL SIZE	A	B	C
1/2	48	20.34	1.5
3/4	57	25.67	1.5
1	67	32.4	1.5
1 1/4	77	41.16	1.5
1 1/2	85	47.26	1.5
2	104	59.33	1.5
2 1/2	125	72.03	1.5
3	136	87.9	1.5
4	173	113.3	1.5
5	188	140.3	1.5
6	220	167.28	1.5
8	277	219	1.5
10	340	272.05	1.5
12	410	322.85	1.5



Also available to suit class 300 and 600
Note on Class 600 confirm pressure temperature application.

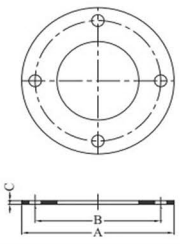
Natural Rubber Insertion Gaskets (Table E)

Natural Rubber Insertion Gaskets (Table E)						
IMPERIAL SIZE	A	B	C	NO. HOLES	HOLE DIAMETER	APPROX. KG/PC
1/2	95	67	3	4	14	0.03
3/4	102	73	3	4	14	0.03
1	114	83	3	4	14	0.03
1 1/4	121	87	3	4	14	0.04
1 1/2	133	98	3	4	14	0.05
2	152	114	3	4	18	0.07
2 1/2	165	127	3	4	18	0.07
3	184	146	3	4	18	0.08
4	216	178	3	8	18	0.11
5	254	210	3	8	18	0.14
6	279	235	3	8	22	0.15
8	337	292	3	8	22	0.21
10	406	356	3	12	22	0.26
12	457	406	3	12	26	0.35



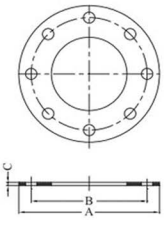
Natural Rubber Insertion Gaskets (Table D)

Natural Rubber Insertion Gaskets (Table D)						
IMPERIAL SIZE	A	B	C	NO. HOLES	HOLE DIAMETER	APPROX. KG/PC
4	216	178	3	4	18	0.11
6	279	235	3	8	18	0.15
8	337	292	3	8	18	0.21
10	406	356	3	8	22	0.26
12	457	406	3	12	22	0.35



Natural Rubber Insertion Gaskets (BS4504 PN10/16)

Natural Rubber Insertion Gaskets (BS4504 PN10/16)						
IMPERIAL SIZE	A	B	C	NO. HOLES	HOLE DIAMETER	APPROX. KG/PC
2	165	125	3	4	18	0.07
2 1/2	185	145	3	4	18	0.09
3	200	160	3	8	18	0.1
4	220	180	3	8	18	0.1
6	285	240	3	8	22	0.16



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