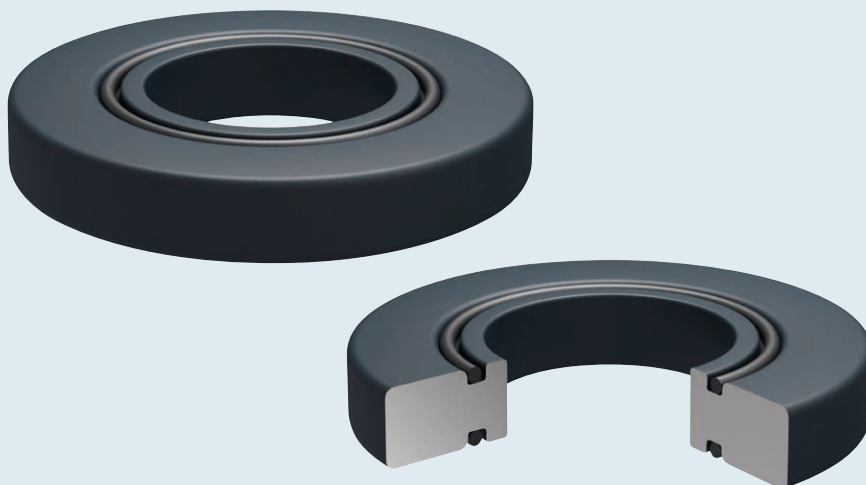


# PILLAR Insulation Material Series

## H-shaped Insulation Gasket No. 4020

PILLAR

### Insulation gasket for use under high load conditions



Insulation gasket that can be mounted at low tightening torque and used under high pressure

High-pressure gasket with insulating capability, providing excellent sealability at low tightening torque

#### Main applications

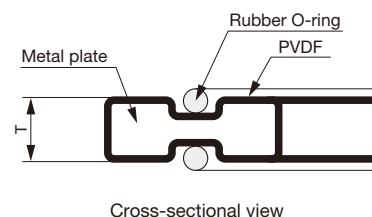
- Electrical corrosion prevention pipe flange
- Prevention of electrical corrosion caused by dissimilar metal contact
- Gasket that frequently opens and closes
- Gasket that requires non-adhesiveness

#### Features

- This gasket provides high pressure resistance and good sealability at low surface pressure.
- This gasket has long insulation spacing and provides excellent insulating capability.
- Insulating lining has high compressive strength (392 MPa or more), which provides strong resistance to uneven tightening and pipe bending.
- This gasket causes little creep deformation.

#### Structure

- A metal plate is processed so that its cross-section forms an H shape, and its surface is lined with PVDF.
- O-rings are mounted in each groove of the H-shaped portion.
- The standard material for the metal plate is JIS G 3101 SS400 steel.
- The O-ring material can be selected according to the fluid used.
- The standard thickness (T) of the gasket is 20 mm.

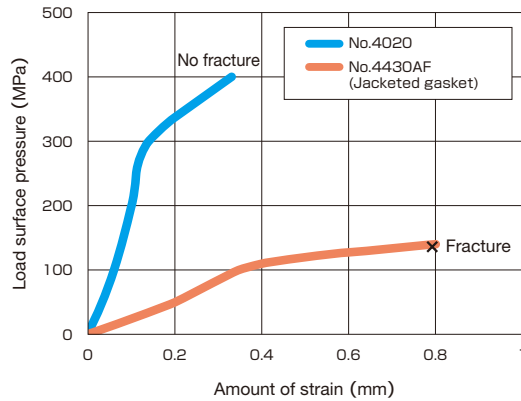


#### Performance

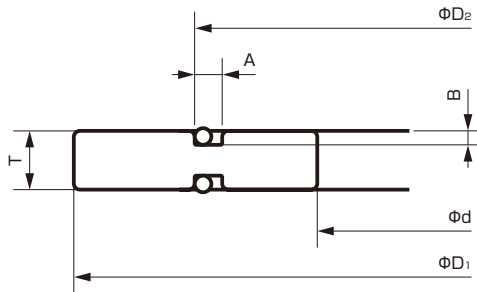
Chemical resistance	Lining (PVDF)	Can be used with most chemicals (This, however, excludes fuming sulfuric acid, hot concentrated sulfuric acid, fuming nitric acid, etc.)
	O-ring	Can be selected according to the fluid used
Scope of application	Pressure (P) MPaG	25.0
	Temperature (T) °C	-60 to 120
Insulation resistance	Ω	10 <sup>11</sup>
Gasket factor ("m" value)		1.25
Minimum design seating stress ("y" value)		2.9

# H-shaped Insulation Gasket

## Lining strength



## Size table



Type : ANSI 600LB Size : Sch80

Unit: mm

Flange	Insulation gasket							O-ring nominal size
	Nominal diameter	d	D <sub>1</sub>	D <sub>2</sub>	A	B	T	
15A	1/2B	14	53	30	4.7	2.7	15	P24
20A	3/4B	19	66	36	4.7	2.7	15	P30
25A	1B	25	73	42	4.7	2.7	15	P36
32A	1 1/4B	32	82	52	4.7	2.7	15	P46
40A	1 1/2B	38	95	63	7.5	4.6	15	P53
50A	2B	49	111	80	7.5	4.6	18	P70
65A	2 1/2B	62	130	90	7.5	4.6	18	P80
80A	3B	73	149	110	7.5	4.6	18	P100
90A	3 1/2B	85	162	120	7.5	4.6	18	P110
100A	4B	97	193	135	7.5	4.6	18	P125
125A	5B	120	241	160	7.5	4.6	18	P150
150A	6B	143	266	185	7.5	4.6	18	G175
200A	8B	190	320	240	7.5	4.6	18	G230
250A	10B	242	400	290	7.5	4.6	18	G280
300A	12B	289	457	340	7.5	4.6	20	(G330)
350A	14B	317	492	370	7.5	4.6	20	(G360)
400A	16B	363	565	420	7.5	4.6	20	(G410)
450A	18B	409	612	480	7.5	4.6	20	(G470)
500A	20B	455	682	530	7.5	4.6	20	(G520)
600A	24B	547	790	630	7.5	4.6	20	(G620)

Note: The O-ring sizes in parentheses are non-standard.

Type : ANSI 300LB Size : Sch80

Unit: mm

Flange	Insulation gasket							O-ring nominal size
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125A	5B	120	215	160	7.5	4.6	18	P150
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Note: The O-ring sizes in parentheses are non-standard.

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● When using this product, please use correctly and pay sufficient attention to safety.

\* Please understand that this catalog may change without prior notice.  
\* The values shown on this catalog are reference values, not guaranteed values.