

PRODUCT MODEL CODE LIST

Type	Model	Rubbers	Standard	Size
<b>G</b>	<b>*</b>	<b>*</b>	<b>*</b>	<b>***</b>
⋮	⋮	⋮	⋮	⋮
G Gasket	A Full Face N Inner Face	E EPDM F PVDF-Covering T PTFE-Covering 1 Viflon®F/ FKM-F 2 Viflon®C / FKM-C V FKM S SBR J EPDM (Lubricant Free) L PTFE (Lubricant Free)	1 JIS 10K 5 JIS 5K A ANSI D DIN W Waterworks	013 13mm I 350 350mm

AV Gasket Working Temperature Range

AV Gasket Type	Working Temperature Range
AV EPDM Gasket	-40 – 90°C
* AV CSM Gasket	-20 – 80°C
* AV NBR Gasket	-30 – 100°C
* AV IIR Gasket	-30 – 90°C
* AV FKM Gasket	-20 – 150°C
* AV SBR Gasket	5 – 35°C
AV PTFE-Covering Gasket	-40 – 120°C
AV PVDF-Covering Gasket	-40 – 120°C

<Use Precautions>

1. Values on the left are general working temperature range. It may be invasive depending on type, temperature, etc. of chemical solution.
2. Working temperature range for Viflon®F/FKM-F and Viflon®C/FKM-C is same as FKM.
3. If insulation is required with EPDM gasket, specify "Insulation EPDM".
4. The marked (\*) ones are build-to-order products.

- These are cast products so there is no unevenness in thickness and the surface is flat. The protrusion of dual-layer O-ring prevents leakage even when the surface pressure is low. Appropriate rubber hardness exerts an buffering effect against heat stress and piping stress. The material of high-quality virgin rubber extends duration of life.

AV Gasket Standard

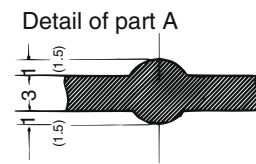
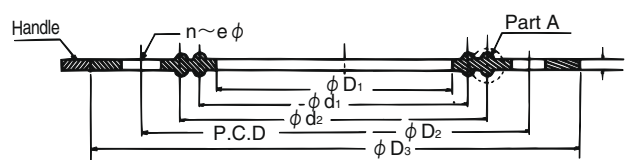
Type	Standard	JIS 10K	JIS 5K	Waterworks	ANSI, DIN
Full Face Gasket		○	○	○	○
Inner-Face Gasket		○	○	○	—
PTFE-Covering Gasket		○	—	—	○
PVDF-Covering Gasket		○	—	—	○

<Use Precautions>

1. When using AV gasket for connecting metal-to-metal flange or resin-to-metal flange, use flat face (FF) metal flange. Using plane-seat flange (RF) may cause damage to gasket.
2. Some materials are not available for AV gasket depending on standard and type. For details, please contact our nearest office.

Full-Face Gasket (JIS 10K, JIS 5K)

PRODUCT MODEL CODE	JIS 10K	G	A	Rubber Type	1	Size
	JIS 5K	G	A	Rubber Type	5	Size



Dimensions in parenthesis show the case of 350 mm (14 inch).

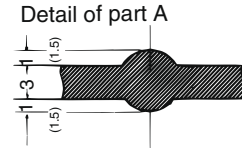
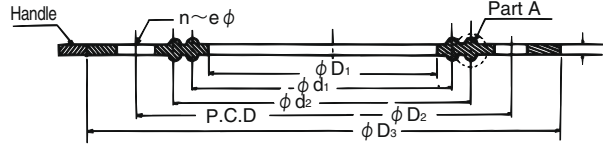
Dimensions Table

(Unit: mm)

Size	Standard	D <sub>1</sub> (Inner Diameter)	D <sub>2</sub> (P.C, D)	D <sub>3</sub> (Outer Diameter)	n	e	d <sub>1</sub>	d <sub>2</sub>	t
13	5K	15	55	73	4	12	22	34	3
	10K	15	65	88	4	15	22	37	3
15	5K	18	60	78	4	12	26	39	3
	10K	18	70	93	4	15	26	41	3
20	5K	22	65	83	4	12	30	44	3
	10K	22	75	98	4	15	32	47	3
25	5K	30	75	93	4	12	39	53	3
	10K	30	90	123	4	19	38	53	3
32	5K	37	90	113	4	15	45	60	3
	10K	37	100	133	4	19	50	65	3
40	5K	43	95	118	4	15	53	69	3
	10K	43	105	138	4	19	54	69	3
50	5K	54	105	128	4	15	64	79	3
	10K	54	120	153	4	19	68	83	3
65	5K	69	130	153	4	15	82	101	3
	10K	69	140	173	4	19	86	101	3
80	5K	80	145	178	4	19	93	112	3
	10K	80	150	183	8	19	98	112	3
100	5K	102	165	198	8	19	114	133	3
	10K	102	175	208	8	19	120	138	3
125	5K	127	200	233	8	19	142	165	3
	10K	127	210	248	8	23	145	166	3
150	5K	150	230	263	8	19	167	193	3
	10K	150	240	278	8	23	168	190	3
200	5K	198	280	318	8	23	215	240	3
	10K	198	290	328	12	23	216	247	3
250	5K	249	345	383	12	23	270	301	3
	10K	249	355	398	12	25	270	306	3
300	5K	300	390	428	12	23	318	349	3
	10K	300	400	443	16	25	324	352	3
350	5K	350	435	478	12	25	365	385	3
	10K	350	445	488	16	25	370	390	3

# Full-Face Gasket (DIN, ANSI, Japan Waterworks)

MODEL CODE	DIN PN10	G	A	Rubber Type	D	Size
	ANSI CLASS 150	G	A	Rubber Type	A	Size
	Waterworks (SBR)	G	A	S	W	Size



Dimensions in parenthesis show the case of 350 mm (14 inch).

## For DIN PN10

### Dimensions Table

(Unit: mm)

Size	D <sub>1</sub>	D <sub>2</sub>	D <sub>3</sub>	n	e	d <sub>1</sub>	d <sub>2</sub>
15	18	65	93	4	14	26	41
20	22	75	103	4	14	32	47
25	30	85	113	4	14	38	53
32	37	100	138	4	18	50	65
40	43	110	148	4	18	54	69
50	54	125	163	4	18	68	83
65	69	145	183	4	18	86	101
80	80	160	198	8	18	98	112

Size	D <sub>1</sub>	D <sub>2</sub>	D <sub>3</sub>	n	e	d <sub>1</sub>	d <sub>2</sub>
100	102	180	218	8	18	120	138
125	127	210	248	8	18	145	166
150	150	240	283	8	22	168	190
200	198	295	338	8	22	216	247
250	249	350	393	12	22	270	306
300	300	400	443	12	22	324	352
350	350	460	503	16	22	370	390

## For ANSI Class 150

### Dimensions Table

(Unit: inch)

Size	D <sub>1</sub>	D <sub>2</sub>	D <sub>3</sub>	n	e	d <sub>1</sub>	d <sub>2</sub>
15	0.71	2.38	3.43	4	0.63	1.02	1.61
20	0.87	2.76	3.78	4	0.63	1.26	1.85
25	1.18	3.13	4.17	4	0.63	1.50	2.09
32	1.46	3.50	4.53	4	0.63	1.97	2.56
40	1.69	3.88	4.92	4	0.63	2.13	2.72
50	2.13	4.74	5.91	4	0.75	2.68	3.27
65	2.72	5.49	6.93	4	0.75	3.39	3.98
80	3.15	6.00	7.44	4	0.75	3.86	4.41

Size	D <sub>1</sub>	D <sub>2</sub>	D <sub>3</sub>	n	e	d <sub>1</sub>	d <sub>2</sub>
100	4.02	7.50	8.94	8	0.75	4.72	5.43
125	5.00	8.50	9.92	8	0.87	5.71	6.54
150	5.91	9.51	10.91	8	0.87	6.61	7.48
200	7.80	11.75	13.43	8	0.87	8.50	9.72
250	9.80	14.25	15.91	12	0.98	10.63	12.05
300	11.81	17.01	18.94	12	0.98	12.76	13.86
350	13.78	18.74	20.91	12	1.14	14.57	15.35

## For Waterworks

### Dimensions Table

(Unit: mm)

Size	D <sub>1</sub>	D <sub>2</sub>	D <sub>3</sub>	n	e	d <sub>1</sub>	d <sub>2</sub>	t
40	43	105	138	4	19	54	69	3
50	53	120	153	4	19	69	85	3
75 (80)	80	168	209	4	19	98	114	3
100	102	195	236	4	19	120	138	3
125	127	220	261	6	19	145	164	3

Size	D <sub>1</sub>	D <sub>2</sub>	D <sub>3</sub>	n	e	d <sub>1</sub>	d <sub>2</sub>	t
150	152	247	288	6	19	171	190	3
200	202	299	340	8	19	216	240	3
250	253	360	408	8	23	273	300	3
300	303	414	461	10	23	325	352	3
350	353	472	527	10	25	375	405	3

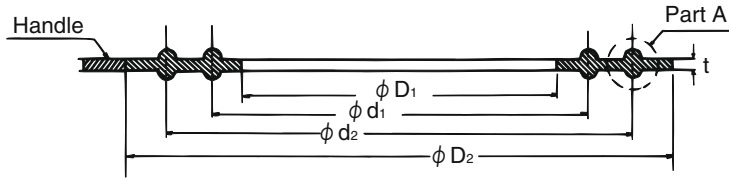
Notes: 1. 40mm (1 1/2 inch) is out of waterworks specification (JIS 10K Standard Products)

2. Rubber used for AV gasket is accordance with tap water rubber (JIS K 6353)

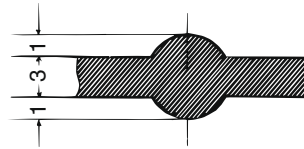
(SBR: Styrene-Butadiene Rubber)

# Inner-Face Gasket

PRODUCT MODEL CODE	JIS 10K	G	N	Rubber Type	1	Size
	JIS 5K	G	N	Rubber Type	5	Size
	Waterworks (SBR)	G	A	Rubber Type	W	Size



Detail of part A



For JIS 10K, 5K Material: EPDM

### Dimensions Table

(Unit: mm)

Size	Standard	D <sub>2</sub>	D <sub>1</sub>	d <sub>1</sub>	d <sub>2</sub>	t
15	5K	47	18	26	39	3
	10K	54		26	41	
20	5K	52	22	30	44	3
	10K	59		32	47	
25	5K	62	30	39	53	3
	10K	70		38	53	
32	5K	74	37	45	60	3
	10K	80		50	65	
40	5K	79	43	53	69	3
	10K	85		54	69	
50	5K	89	54	64	79	3
	10K	100		68	83	
65	5K	114	69	82	101	3
	10K	120		86	101	
80	5K	125	80	93	112	3
	10K	130		98	112	
100	5K	145	102	114	133	3
	10K	155		120	138	
125	5K	180	127	142	165	3
	10K	187		145	166	
150	5K	210	150	167	193	3
	10K	217		168	190	
200	5K	257	198	215	240	3
	10K	267		216	247	
250	5K	322	249	270	301	3
	10K	329		270	306	
300	5K	367	300	318	349	3
	10K	374		324	352	

For Waterworks Material: SBR

### Dimensions Table

(Unit: mm)

Size	D <sub>2</sub>	D <sub>1</sub>	d <sub>2</sub>	d <sub>1</sub>	t
40	85	43	69	54	3
50	100	53	83	68	3
75 (80)	148	80	110	90	3
100	175	102	135	115	3
125	200	127	160	140	3
150	227	152	187	168	3
200	279	202	236	218	3
250	337	253	288	270	3
300	391	303	340	320	3
350	445	353	400	370	3

Notes: 1.40 mm (11/2 inch) is out of waterworks specification. (JIS 10K Standard Product)

2. Rubber used for AV gasket is accordance with tap water rubber (JIS K 6353).

(SBR: Styrene-Butadiene Rubber)

# AV PTFE/PVDF Gasket

PRODUCT MODEL CODE	PTFE	G	A	T	Standard	Size
	PVDF	G	A	F	Standard	Size



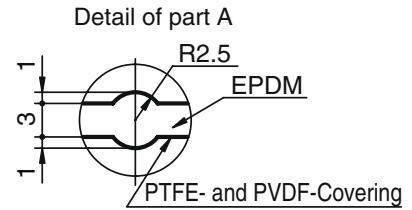
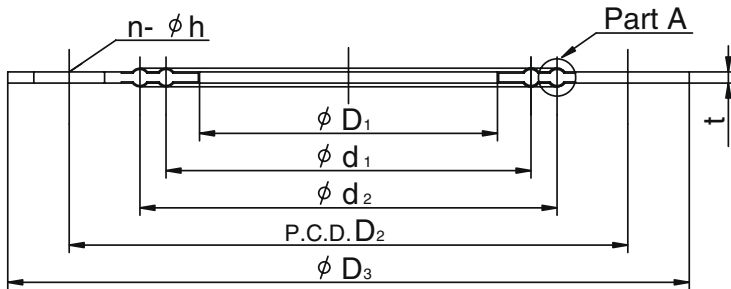
PTFE-Covering

\* PTFE covering thickness is 0.3 – 0.4 mm.



PVDF-Covering

\* PVDF covering thickness is 15 mm (1/2 inch) – 65 mm (2 1/2 inch).....0.4 mm  
80 mm(3 inch) – 300 mm (12 inch).....0.5 mm



For JIS 10K

## Dimensions Table

(Unit: mm)

Size	D <sub>1</sub> (Inner Diameter)	D <sub>2</sub> (P.C.D)	D <sub>3</sub> (Outer Diameter)	n	e	d <sub>1</sub>	d <sub>2</sub>	t
15	18	70	93	4	15	26	41	3
20	22	75	98	4	15	32	47	3
25	30	90	123	4	19	38	53	3
32	37	100	133	4	19	50	65	3
40	43	105	138	4	19	54	69	3
50	54	120	153	4	19	68	83	3
65	69	140	173	4	19	86	101	3

Size	D <sub>1</sub> (Inner Diameter)	D <sub>2</sub> (P.C.D)	D <sub>3</sub> (Outer Diameter)	n	e	d <sub>1</sub>	d <sub>2</sub>	t
80	80	150	183	8	19	98	112	3
100	102	175	208	8	19	120	138	3
125	127	210	248	8	23	145	166	3
150	150	240	278	8	23	168	190	3
200	198	290	328	12	23	216	247	3
250	249	355	398	12	25	270	306	3
300	300	400	443	16	25	324	352	3

For DIN PN10

## Dimensions Table

(Unit: mm)

Size	D <sub>1</sub>	D <sub>2</sub>	D <sub>3</sub>	n	e	d <sub>1</sub>	d <sub>2</sub>
15	18	65	93	4	14	26	41
20	22	75	103	4	14	32	47
25	30	85	113	4	14	38	53
32	37	100	138	4	18	50	65
40	43	110	148	4	18	54	69
50	54	125	163	4	18	68	83
65	69	145	183	4	18	86	101
80	80	160	198	8	18	98	112
100	102	180	218	8	18	120	138
125	127	210	248	8	18	145	166
150	150	240	283	8	22	168	190
200	198	295	338	8	22	216	247
250	249	350	393	12	22	270	306
300	300	400	443	12	22	324	352
350	362	460	503	16	22	387	413
400	407	515	563	16	26	442	472

For ANSI Class 150

## Dimensions Table

(Unit: inch)

Size (mm)	D <sub>1</sub>	D <sub>2</sub>	D <sub>3</sub>	n	e	d <sub>1</sub>	d <sub>2</sub>
15	0.71	2.38	3.43	4	0.63	1.02	1.61
20	0.87	2.76	3.78	4	0.63	1.26	1.85
25	1.18	3.13	4.17	4	0.63	1.50	2.09
30	1.46	3.50	4.53	4	0.63	1.97	2.56
40	1.69	3.88	4.92	4	0.63	2.13	2.72
50	2.13	4.74	5.91	4	0.75	2.68	3.27
65	2.72	5.49	6.93	4	0.75	3.39	3.98
80	3.15	6.00	7.44	4	0.75	3.86	4.41
100	4.02	7.50	8.94	8	0.75	4.72	5.43
125	5.00	8.50	9.92	8	0.87	5.71	6.54
150	5.91	9.51	10.91	8	0.87	6.61	7.48
200	7.80	11.75	13.43	8	0.87	8.50	9.72
250	9.80	14.25	15.91	12	0.98	10.63	12.05
300	11.81	17.01	18.94	12	0.98	12.76	13.86

Notes: Sizes of 1-1/4" (30 mm), 2-1/2 (65 mm) and 12" (300 mm) for ANSI Standard PVDF-covering gasket cannot be manufactured.

Viflon®

PRODUCT  
MODEL CODE

Viflon®F/FKM-F ▶ G A 1 1 Size

Viflon®C/FKM-C ▶ G A 2 1 Size

- Excellent elution characteristic for TOC, metal ions, etc.
- Better cost performance compared to perfluoro fluorine rubber.

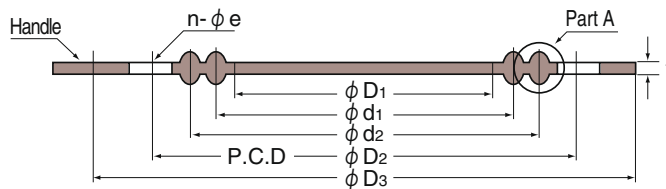
Viflon®F/FKM-F (For Acid-Resistant)

Effective for nitric acid, hydrofluoric acid, hydrochloric acid, etc., especially works well with mixed acid such as nitric hydrofluoric acid.

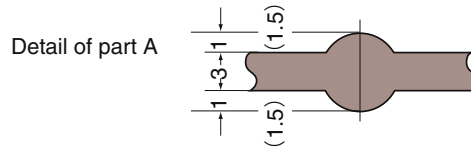
Viflon®C/FKM-C (For Chlorine-Resistant)

Effective for chlorine-type chemicals, especially sodium hypochlorite injection lines, and excellent chemical-resistance compared to conventional fluorine-based rubber.

Viflon®Full Face Gasket



Dimensions in parenthesis show the case of 350 mm (14 inch).



Viflon®F/FKM-F Gasket...For Acid-Resistant Type

Viflon®C/FKM-C Gasket...For Chlorine-Resistant Type

■ Dimensions Table

(Unit: mm)

Size	Full Face JIS 10K							
	D <sub>3</sub>	D <sub>2</sub>	D <sub>1</sub>	d <sub>2</sub>	d <sub>1</sub>	n	e	t
15	93	70	18	41	26	4	15	3
20	98	75	22	47	32	4	15	3
25	123	90	30	53	38	4	19	3
32	133	100	37	65	50	4	19	3
40	138	105	43	69	54	4	19	3
50	153	120	54	83	68	4	19	3
65	173	140	69	101	86	4	19	3
80	183	150	80	112	98	8	19	3
100	208	175	102	138	120	8	19	3
125	248	210	127	166	145	8	23	3
150	278	240	150	190	168	8	23	3
200	328	290	198	247	216	12	23	3