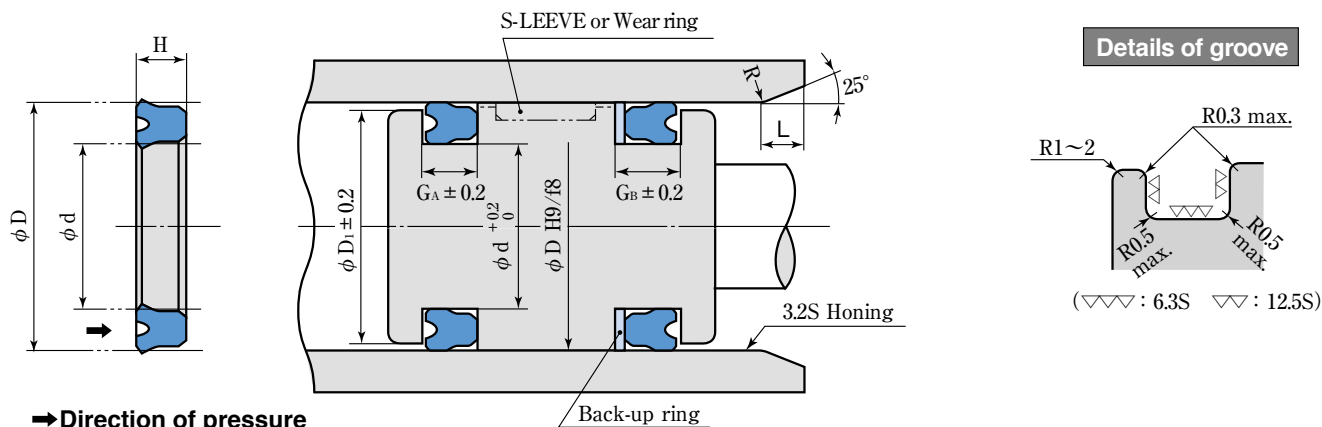




### Dimension table



- Note:
- Packings should be installed in the direction specified in the above schematic.
  - Consider adopting divided grooves if one piece groove is technically adverse.
  - Use divided grooves for packings smaller than SKY-18 in size.
  - φD H9/f8 would be modified according to the variation of the bearing structure.
  - For applications installed together with wear rings, refer to the dimension table of the applicable wear ring.
  - For information on preferred values of surface finish (roughness), see page 14.

### Dimension table of SKY-Packings

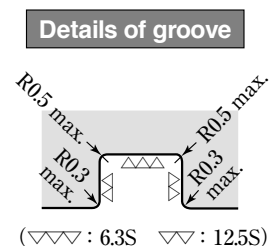
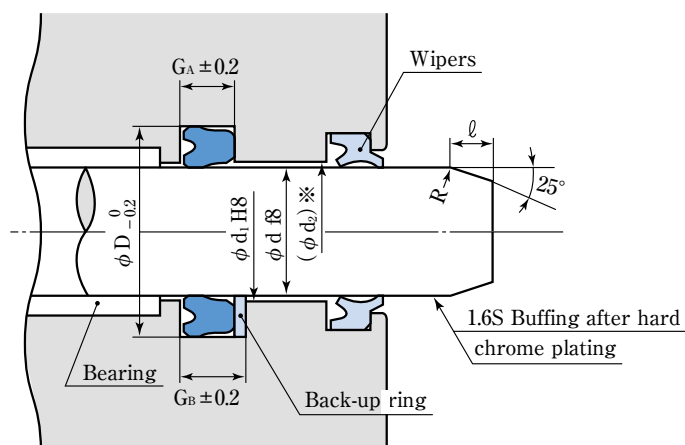
(Unit : mm)

Packing & Groove dimensions									Part No.					
d	D	H	GA	GB	D1	d1 (Reference)	L	ℓ	SKY-Packings				Combination back-up ring (PT111)	
									Standard material (RN906)	High temperature- resistant material (RF905) (RF907)	Low temperature- resistant material (RN903)	HNBR (RP902) (RP903)		
8	14	3.7	4.2	5.2	13	8.4	3	1.5	SKY-0008005N906					TBC-0008005T111
10	18	5	5.7	6.7	17	10.4	3	1.5	SKY-0010001N906					TBC-0010007T111
12	20	5	5.7	6.7	19	12.4	3	1.5	SKY-0012001N906					TBC-0012003T111
12.5	20	5	5.7	6.7	19	12.9	3	1.5	SKY-12.5					TCS-20 × 12.5
14	22	5	5.7	6.7	21	14.4	3	1.5	SKY-14	SKY-14F		● ●		TCS-22 × 14
16	24	5	5.7	6.7	23	16.4	3	1.5	SKY-16	SKY-16F		●		TCS-24 × 16
17	25	5	5.7	6.7	24	17.4	3	1.5	SKY-0017001N906			●		TCS-25 × 17
18	26	5	5.7	6.7	25	18.4	3	1.5	SKY-18	SKY-18F		●		TCS-26 × 18
20	28	5	5.7	6.7	27	20.4	3	1.5	SKY-20	SKY-20F	SKY-20N			TCS-28 × 20
20	30	6	7	8.5	29	20.4	3	1.5	SKY-0020001N906					TBC-0020006T111
22	30	5	5.7	6.7	29	22.4	3	1.5	SKY-22	SKY-22F		● ●		TCS-30 × 22
22.4	30	5	5.7	6.7	29	22.8	3	1.5	SKY-22.4	SKY-22.4F		● ●		TCS-30 × 22.4
23.5	31.5	5	5.7	6.7	30.5	23.9	3	1.5	SKY-23.5	SKY-23.5F				TCS-31.5 × 23.5
24	32	5	5.7	6.7	31	24.4	3	1.5	SKY-0024002N906					TCS-32 × 24
25	33	5	5.7	6.7	32	25.4	3	1.5	SKY-25	SKY-25F	SKY-25N	●		TCS-33 × 25
26	34	5	5.7	6.7	33	26.4	3	1.5	SKY-0026001N906					TBC-0026005T111
27	35	5	5.7	6.7	34	27.4	3	1.5	SKY-0027001N906					TCS-35 × 27
28	35.5	5	5.7	6.7	34.5	28.4	3	1.5	SKY-28	SKY-28F	SKY-28N	● ●		TCS-35.5 × 28
28	36	5	5.7	6.7	35	28.4	3	1.5	SKY-28A					TCS-36 × 28
30	38	5	5.7	6.7	37	30.5	3.5	3	SKY-0030001N906					TBC-0030005T111
30	40	6	7	8.5	39	30.5	3.5	3	SKY-30	SKY-30F	SKY-30N			TCS-40 × 30
31.5	41.5	6	7	8.5	40.5	32.0	3.5	3	SKY-31.5	SKY-31.5F				TCS-41.5 × 31.5
32	42	6	7	8.5	41	32.5	3.5	3	SKY-32					TCS-42 × 32
35	45	6	7	8.5	44	35.5	3.5	3	SKY-35	SKY-35F	SKY-35N			TCS-45 × 35
35.5	45	6	7	8.5	44	36.0	3.5	3	SKY-35.5	SKY-35.5F	SKY-35.5N	● ●		TCS-45 × 35.5
35.5	45.5	6	7	8.5	44.5	36.0	3.5	3	SKY-35.5A					TCS-45.5 × 35.5
36	46	6	7	8.5	45	36.5	3.5	3	SKY-36	SKY-36F		●		TCS-46 × 36
38	48	6	7	8.5	47	38.5	3.5	3	SKY-0038001N906					TBC-0038003T111
40	50	6	7	8.5	49	40.5	3.5	3	SKY-40	SKY-40F	SKY-40N	●		TCS-50 × 40

- ★ Orders and inquiries are accepted on part numbers.  
 ★ Products with the part numbers in blue background are stock items.  
 ★ Packings with the part numbers in *light italic* require the confirmation of the existence of the tooling prior to ordering. These items are subject to the abolishment without notice.  
 ★ Reclamation of an abolished product requires to newly produce the tooling at your expense.  
 ★ Packings are adequately packaged for the optimum storage. Refer to "Cautions" in page 2 for the handling and the storage.  
 ★ The heat resistant material for the products larger than the SKY-300F is RF907.  
 ★ Inquiries for HNBR materials:  
 • Please specify material code RP903 or RP902 in addition to the standard part number.  
 • RP903 is applicable to high temperature operation and to water polyglycol operating fluid.  
 • RP902 is the material applicable to both high and low temperature operating conditions.  
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Related products: SDR-Wipers, SCK-Wipers, SCB-Wipers, SW-Wear rings, S-LEEVE and PG-Rings

## Dimension table



- Note:
- Consider adopting divided grooves if one piece groove is technically adverse.
  - Use divided grooves for packings smaller than SKY-18 in size.
  - For applications without back-up rings, refer to the limiting curve of extrusion of seals (page15) for the size (φd<sub>2</sub>).
  - For information on preferred values of surface finish (roughness), see page 14.

### Dimension table of SKY-Packings

(Unit : mm)

Packing & Groove dimensions									Part No.					
d	D	H	G <sub>A</sub>	G <sub>B</sub>	D <sub>1</sub>	d <sub>1</sub> (Reference)	L	ℓ	SKY-Packings				Combination back-up ring (PT111)	
									Standard material (RN906)	High temperature- resistant material (RF905) (RF907)	Low temperature- resistant material (RN903)	HNBR (RP902) (RP903)		
45	55	6	7	8.5	54	45.5	3.5	3	SKY- 45	SKY- 45F	SKY-45N			TCS- 55× 45
45	56	7	8	9.5	55	45.5	3.5	3	SKY- 45A	SKY- 45AF	SKY-45AN	●	●	TCS- 56× 45
50	60	6	7	8.5	59	50.5	3.5	3	SKY- 50	SKY- 50F	SKY-50N			TCS- 60× 50
53	63	6	7	8.5	62	53.6	3.5	3	SKY- 53	SKY- 53F			●	TCS- 63× 53
55	65	6	7	8.5	64	55.6	3.5	3	SKY- 55	SKY- 55F	SKY-55N			TCS- 65× 55
56	66	6	7	8.5	65	56.6	3.5	3	SKY- 56	SKY- 56F		●	●	TCS- 66× 56
58	68	6	7	8.5	67	58.6	3.5	3	SKY-0058001N906					TBC-0058004T111
60	70	6	7	8.5	69	60.6	3.5	3	SKY- 60	SKY- 60F	SKY-60N			TCS- 70× 60
60	71	7	8	9.5	70	60.6	3.5	3	SKY- 60A	SKY- 60AF				TCS- 71× 60
61	71	6	7	8.5	70	61.6	3.5	3	SKY-0061001N906					TC-Part No. of packings
63	73	6	7	8.5	72	63.6	3.5	3	SKY- 63	SKY- 63F	SKY-63N		●	TCS- 73× 63
65	75	6	7	8.5	74	65.6	3.5	3	SKY- 65	SKY- 65F	SKY-65N			TCS- 75× 65
67	77	6	7	8.5	76	67.6	3.5	3	SKY- 67	SKY- 67F		●	●	TCS- 77× 67
70	80	6	7	8.5	79	70.6	3.5	3	SKY- 70	SKY- 70F	SKY-70N	●	●	TCS- 80× 70
71	80	6	7	8.5	79	71.6	3.5	3	SKY- 71	SKY- 71F			●	TCS- 80× 71
75	85	6	7	8.5	84	75.6	3.5	3	SKY- 75	SKY- 75F	SKY-75N			TCS- 85× 75
80	90	6	7	8.5	89	80.6	3.5	3	SKY- 80	SKY- 80F	SKY-80N	●	●	TCS- 90× 80
85	95	6	7	8.5	94	85.6	3.5	3	SKY-0085002N906					TBC-0085001T111
85	100	9	10	12	98	85.6	4	4	SKY- 85	SKY- 85F	SKY-85N	●	●	TCS-100× 85
86	100	8.5	9.5	11.5	98	86.6	4	4	SKY- 86	SKY- 86F				TCS-100× 86
90	100	6	7	8.5	99	90.6	4	4	SKY-0090001N906					TBC-0090013T111
90	105	9	10	12	103	90.6	4	4	SKY- 90	SKY- 90F	SKY-90N		●	TCS-105× 90
95	110	9	10	12	108	95.6	4	4	SKY- 95	SKY- 95F				TCS-110× 95
96	111	9	10	12	109	96.6	4	4	SKY-0096001N906					TBC-0096001T111
98	112	8.5	9.5	11.5	110	98.6	4	4	SKY- 98	SKY- 98F				TCS-112× 98
100	115	9	10	12	113	100.6	4	4	SKY-100	SKY-100F	SKY-100N	●	●	TCS-115× 100
105	120	9	10	12	118	105.6	4	4	SKY-0105002N906					TBC-0105001T111
106	120	8.5	9.5	11.5	118	106.6	4	4	SKY-106	SKY-106F	SKY-106N			TCS-120× 106
110	125	9	10	12	123	110.6	4	4	SKY-0110003N906			●	●	TBC-0110001T111

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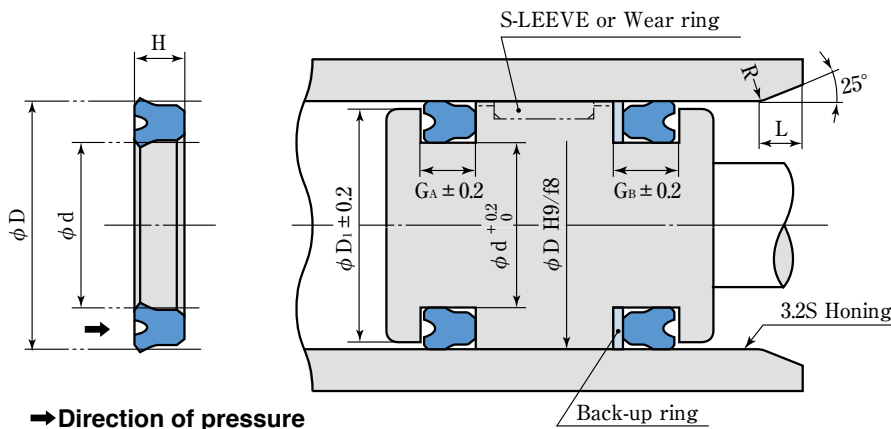
Related products: SDR-Wipers, SCK-Wipers, SCB-Wipers, SW-Wearings, S-LEEVE and PG-Rings

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Dimension table



→ Direction of pressure

- Note:
- Packings should be installed in the direction specified in the above schematic.
  - Consider adopting divided grooves if one piece groove is technically adverse.
  - $\phi D H9/f8$  would be modified according to the variation of the bearing structure.
  - For applications installed together with wear rings, refer to the dimension table of the applicable wear ring.
  - For information on preferred values of surface finish (roughness), see page 14.

Dimension table of SKY-Packings

(Unit : mm)

Packing & Groove dimensions									Part No.						
									SKY-Packings					Combination back-up ring (PT111)	
									Standard material (RN906)	High temperature- resistant material (RF905)(RF907)	Low temperature- resistant material (RN903)	HNBR			
(RP902)	(RP903)														
d	D	H	G <sub>A</sub>	G <sub>B</sub>	D <sub>1</sub>	d <sub>1</sub> (Reference)	L	ℓ							
112	125	8.5	9.5	11.5	123	112.6	4	4	SKY-112	SKY-112F	SKY-0115001N903	●	●	TCS-125 × 112	
112	125	9	10	12	123	112.6	4	4	SKY-112A	SKY-112AF				TCS-125 × 112	
115	130	8.5	9.5	11.5	128	115.6	4	4	SKY-0115002N906					TBC-0115002T111	
118	132	8.5	9.5	11.5	130	118.6	4	4	SKY-118	SKY-118F				TCS-132 × 118	
119	133	8.5	9.5	11.5	131	119.6	4	4	SKY-0119001N906					TBC-0119001T111	
120	135	9	10	12	133	120.6	4	4	SKY-0120002N906		SKY-125N	●	●	TBC-0120001T111	
125	140	9	10	12	138	125.6	4	4	SKY-125	SKY-125F				TCS-140 × 125	
130	145	9	10	12	143	130.6	4	4	SKY-0130001N906					TBC-0130001T111	
132	145	8.5	9.5	11.5	143	132.6	4	4	SKY-132	SKY-132F				TCS-145 × 132	
136	150	8.5	9.5	11.5	148	136.6	4	4	SKY-136	SKY-136F				TCS-150 × 136	
140	155	9	10	12	153	140.6	4	4	SKY-140	SKY-140F	SKY-145N	●	●	TCS-155 × 140	
145	160	9	10	12	158	145.6	4	4	SKY-145	SKY-145F				TCS-160 × 145	
150	165	9	10	12	163	150.6	4	4	SKY-150	SKY-150F				TCS-165 × 150	
155	170	9	10	12	168	155.6	4	4	SKY-155	SKY-155F				TCS-170 × 155	
160	175	9	10	12	173	160.6	4	4	SKY-160	SKY-160F				TCS-175 × 160	
165	180	9	10	12	178	165.6	4	4	SKY-165	SKY-165F		●	●	TCS-180 × 165	
170	185	9	10	12	183	170.6	4	4	SKY-0170001N906					TBC-0170001T111	
175	190	9	10	12	188	175.6	4	4	SKY-175	SKY-175F				TCS-190 × 175	
180	200	12	13	15.5	198	180.8	5	5	SKY-180	SKY-180F				TCS-200 × 180	
185	205	12	13	15.5	203	185.8	5	5	SKY-0185001N906					TBC-0185001T111	
190	210	12	13	15.5	208	190.8	5	5	SKY-0190003N906	SKY-0190001F905				TBC-0190004T111	
195	215	12	13	15.5	213	195.8	5	5	SKY-0195001N906					TBC-0195006T111	
200	220	12	13	15.5	218	200.8	5	5	SKY-200	SKY-200F				TCS-220 × 200	
204	224	12	13	15.5	222	204.8	5	5	SKY-204	SKY-204F				TCS-224 × 204	
210	230	12	13	15.5	228	210.8	5	5	SKY-0210002N906	SKY-0210001F905				TBC-0210004T111	
215	235	12	13	15.5	233	215.8	5	5	SKY-0215001N906	SKY-224F				TBC-0215003T111	
220	240	12	13	15.5	238	220.8	5	5	SKY-0220001N906						TBC-0220003T111
224	244	12	13	15.5	242	224.8	5	5	SKY-224						TCS-244 × 224

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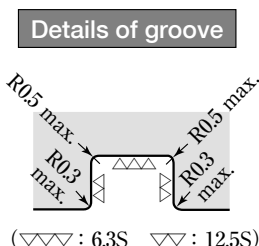
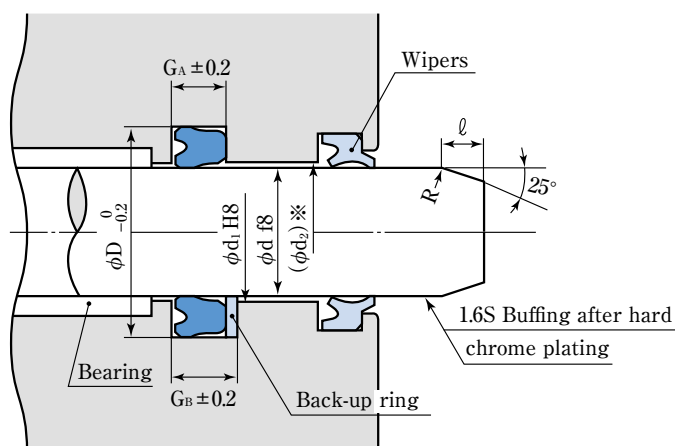
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## Dimension table



- Note:
- Consider adopting divided grooves if one piece groove is technically adverse.
  - For applications without back-up rings, refer to the limiting curve of extrusion of seals (page 15) for the size  $(\phi d_2)$ .
  - For information on preferred values of surface finish (roughness), see page 14.

## Dimension table of SKY-Packings

(Unit : mm)

Packing & Groove dimensions									Part No.				
d	D	H	GA	GB	D1	d1 (Reference)	L	ℓ	SKY-Packings				Combination back-up ring (PT111)
									Standard material (RN906)	High temperature- resistant material (RF905) (RF907)	Low temperature- resistant material (RN903)	HNBR (RP902) (RP903)	
230	250	12	13	15.5	248	230.8	5	5	<b>SKY-230</b>	<b>SKY-230F</b>			<b>TCS-250×230</b>
235	255	12	13	15.5	253	235.8	5	5	<i>SKY-0235001N906</i>	<i>SKY-0240001F905</i>			<b>TBC-0235001T111</b>
237	257	12	13	15.5	255	237.8	5	5	<i>SKY-0237001N906</i>				<b>TC-Part No. of packings</b>
240	260	12	13	15.5	258	240.8	5	5	<i>SKY-0240003N906</i>				<b>TBC-0240001T111</b>
245	265	12	13	15.5	263	245.8	5	5	<i>SKY-0245001N906</i>				<b>TBC-0245004T111</b>
250	270	12	13	15.5	268	250.8	5	5	<b>SKY-250</b>	<b>SKY-250F</b>			<b>TCS-270×250</b>
260	280	14	15	18	278	260.8	5	5	<i>SKY-260</i>	<i>SKY-260F</i>			<b>TCS-280×260</b>
280	300	14	15	18	298	280.8	5	5	<i>SKY-280</i>	<i>SKY-280F</i>			<b>TCS-300×280</b>
290	310	14	15	18	308	290.8	5	5	<i>SKY-0290001N906</i>	<i>SKY-295F</i>			<b>TBC-0290001T111</b>
295	315	14	15	18	313	295.8	5	5	<i>SKY-295</i>				<b>TCS-315×295</b>
300	320	12	13	16	318	300.8	5	5	<i>SKY-0300003N906</i>				<b>TBC-0300003T111</b>
310	330	14	15	18	328	311	5	5	<i>SKY-0310001N906</i>				<b>TBC-0310002T111</b>
315	335	14	15	18	333	316	5	5	<i>SKY-315</i>				<b>TCS-335×315</b>
335	355	14	15	18	353	336	5	5	<i>SKY-335</i>				<b>TCS-355×335</b>
355	375	14	15	18	373	356	5	5	<i>SKY-355</i>				<b>TCS-375×355</b>
380	400	14	15	18	398	381	5	5	<i>SKY-380</i>	<i>SKY-380F</i>			<b>TCS-400×380</b>
400	420	14	15	18	418	401	5	5	<i>SKY-400</i>				<b>TCS-420×400</b>
430	450	14	15	18	448	431	5	5	<i>SKY-430</i>				<b>TCS-450×430</b>
450	470	14	15	18	468	451	5	5	<i>SKY-450</i>				<b>TCS-470×450</b>
480	500	14	15	18	498	481	5	5	<i>SKY-480</i>				<b>TCS-500×480</b>
500	525	17	18	21	522	501	5	5	<i>SKY-0500001N906</i>				<b>TBC-0500002T111</b>
540	560	14	15	18	558	541	5	5	<i>SKY-0540001N906</i>				<b>TBC-0540001T111</b>
550	570	13	14	17	568	551	5	5	<i>SKY-0550001N906</i>				<b>TBC-0550001T111</b>
610	630	14	15	18	628	611	5	5	<i>SKY-0610001N906</i>				<b>TBC-0610001T111</b>
630	655	17	18	21	652	631	5	5	<i>SKY-0630001N906</i>				<b>TBC-0630001T111</b>
660	690	18	19	22	687	661	5	5	<i>SKY-0660001N906</i>				<b>TC-Part No. of packings</b>
770	800	18	19	22	797	771	5	5	<i>SKY-0770001N906</i>				<b>TC-Part No. of packings</b>

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  - RP902 is the material applicable to both high and low temperature operating conditions.
  - All HNBR products are manufactured on made-to-order base.
  - ● indicates manufacturable items. For those items without ● indication, please inquire of us.
  - Engraved marks may be variant because some dimensions/items are manufactured by using toolings for different materials.

Related products: SDR-Wipers, SCK-Wipers, SCB-Wipers, SW-Wear rings, S-LEEVE and PG-Rings