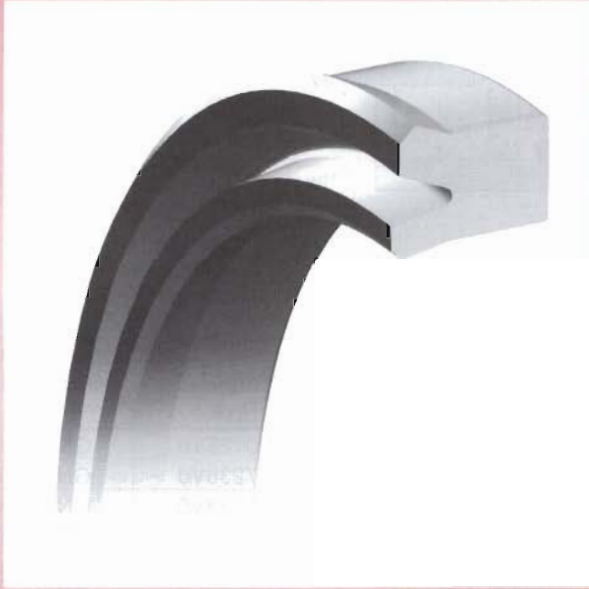


ODI TYPE

SPECIAL PACKINGS
FOR PISTON SEALS
IRON RUBBER (AU)



● Please designate NOK Part number and type & size on your order.

(Example) Order for the packing as a single piece

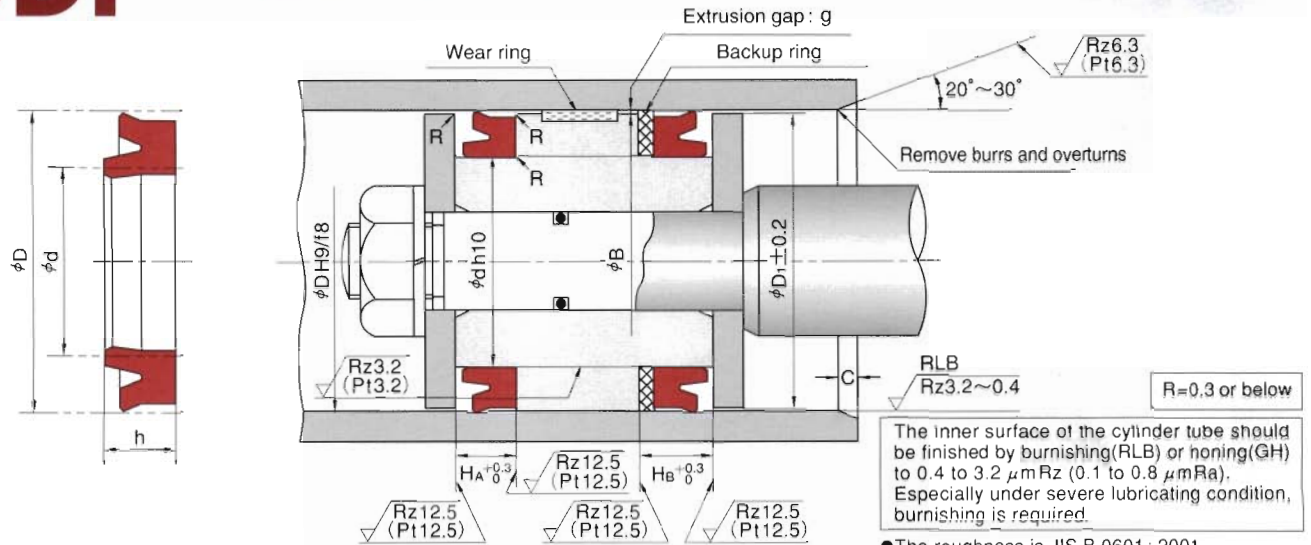
• Type Dimensions	ODI	18	8	7.5	
	└─ Type Sign	└─ Nominal Size of Packing described in order of outer diameter(D), inner diameter(d), and height(h)			
• Part Number	FU2150H0				

※ When placing orders for backup rings used in combination with packing, designate the NOK part number and the model size.

• Type Dimensions	BRT3	8	18	2	
	└─ Type Sign	└─ Nominal Size of Backup ring described in order of inner diameter(d), outer diameter(D), and thickness(t)*			
• Part Number	GN0725V0				*t = H _B - H _A (Housing dimensions)

● Please check the application range on pages 14 and 15 before selecting the type.

Material	NOK U801
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Nominal Size of Packing, and Housing dimensions							Packing Part Number	Combination Backup Ring Part Number		
D	d	h	H _A	H _B	ϕD_1	C		BRT3(Endless) 19YF	BRN3(Endless) 80NP	
18	8	7.5	8.5	10.5	17	2.5	FU2150H0	GN0725V0	GN9101O1	
19.2	11.2	5	5.7	7.7	18.2		※FU0202H0	GN7236V0	GN9792O0	
20	10	6	7	9	19		※FU0205H0	GN0733V0	GN9102O1	
	10	7.5	8.5	10.5	19		FU0206H0	GN0733V0	GN9102O1	
	10	8	9	11	19		FU0207H0	GN0733V0	GN9102O1	
22	14	5	5.7	7.7	19		※FU0208H0	GN7237V0	GN9793O0	
24	14	7.5	8.5	10.5	23	※FU0242H0	GN7238V0	GN9794O0		
25	15	6	7	9	24	3.5	FU2151H0	GN0745V0	GN9103O1	
	15	8	9	11	24		※FU0273H0	GN0749V0	GN9738O1	
	17	5	5.7	7.7	24		FU0274H0	GN0749V0	GN9738O1	
26	16	7.5	8.5	10.5	25		※FU0275H0	GN7239V0	GN9795O0	
	18	5	5.7	7.7	25		FU2152H0	GN0751V0	GN9105O1	
28	15	10	11	13	27		※FU0310H0	GN6377V0	GN9106O1	
	20	5	5.7	7.7	27	FU2153H0	GN6445V0	GN9104O1		
30	20	5	5.7	7.7	29	2	※FU2138H0	GN6447V0	GN9108O1	
	20	6	7	9	29		※FU0351H0	GN0762V0	GN9109O1	
	20	8	9	11	29	3.5	※FU0352H0	GN0762V0	GN9109O1	
	22.4	5	5.7	7.7	29		FU0353H0	GN0762V0	GN9109O1	
31	18	10	11	13	30	3.5	※FU2139H0	GN6450V0	GN9112O1	
	31.5	18.5	8	9	11		30.5	FU2154H0	GN6446V0	GN9107O1
		18.5	10	11	13		30.5	FU0377H0	GN7240V0	GN9796O0
	21.5	6	7	9	30.5		FU0378H0	GN7240V0	GN9796O0	
	21.5	8	9	11	30.5		※FU0379H0	GN0767V0	GN9797O0	
23.5	5	5.7	7.7	30.5	FU0380H0	GN0767V0	GN9797O0			
33	20	10	11	13	32	2	※FU0381H0	GN6452V0	GN9114O1	
	25	5	5.7	7.7	32	3.5	FU2155H0	GN6448V0	GN9110O1	
35	25	5	5.7	7.7	32	2	※FU2140H0	GN6665V0	GN9786O1	
	22	10	11	13	34		FU2156H0	GN6449V0	GN9111O1	
	25	6	7	9	34		※FU0418H0	GN0781V0	GN9115O1	
35.4	25	8	9	11	34	3.5	FU0419H0	GN0781V0	GN9115O1	
	22.4	10	11	13	34.4		FU2157H0	GN6017V0	GN9798O0	
	22.5	8	9	11	34.5		FU0446H0	GN7241V0	GN9799O0	
	22.5	10	11	13	34.5		FU0447H0	GN7241V0	GN9799O0	
35.5	25.5	6	7	9	34.5	3.5	※FU0448H0	GN6454V0	GN9117O1	
	25.5	8	9	11	34.5		FU0449H0	GN6454V0	GN9117O1	
	25	10	11	13	37		FU0466H0	GN6453V0	GN9116O1	
38	25	9	10	12	39	3.5	FU0485H0	GN6591V0	GN9800O0	
	25	10	11	13	39		FU0486H0	GN6591V0	GN9800O0	
	27	8	9	12	39		FU0488H0	GN6455V0	GN9118O1	
	27	10	11	14	39		FU0489H0	GN6455V0	GN9118O1	
	30	8	9	12	39		FU0491H0	GN6361V0	GN9122O1	
41	28	10	11	14	40	FU2158H0	GN6458V0	GN9121O1		

HOW TO DETERMINE B DIMENSION

■ When using backup ring

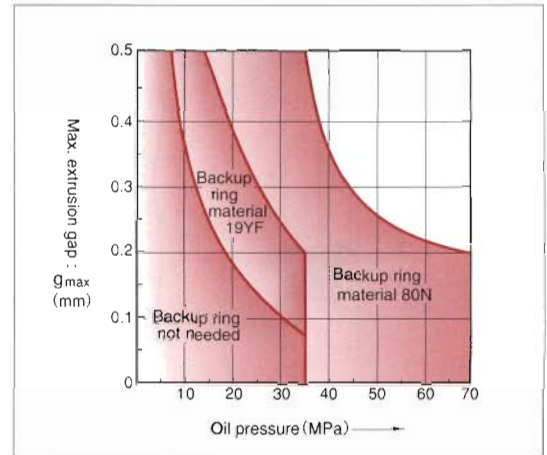
Please determine B dimension according to the table below. If you require smaller B dimension because of the cylinder configuration, please consult NOK.

Maximum Service Pressure	14MPa	21MPa	35MPa
Material of Backup ring	19YF		
B Dimension	$B \geq \phi D - 1.0$	$B \geq \phi D - 0.5$	$B \geq \phi D - 0.2$

Maximum Service Pressure	35MPa	42MPa	70MPa
Material of Backup ring	80NP		
B Dimension	$B \geq \phi D - 0.8$	$B \geq \phi D - 0.4$	$B \geq \phi D - 0.2$

■ When not using backup ring

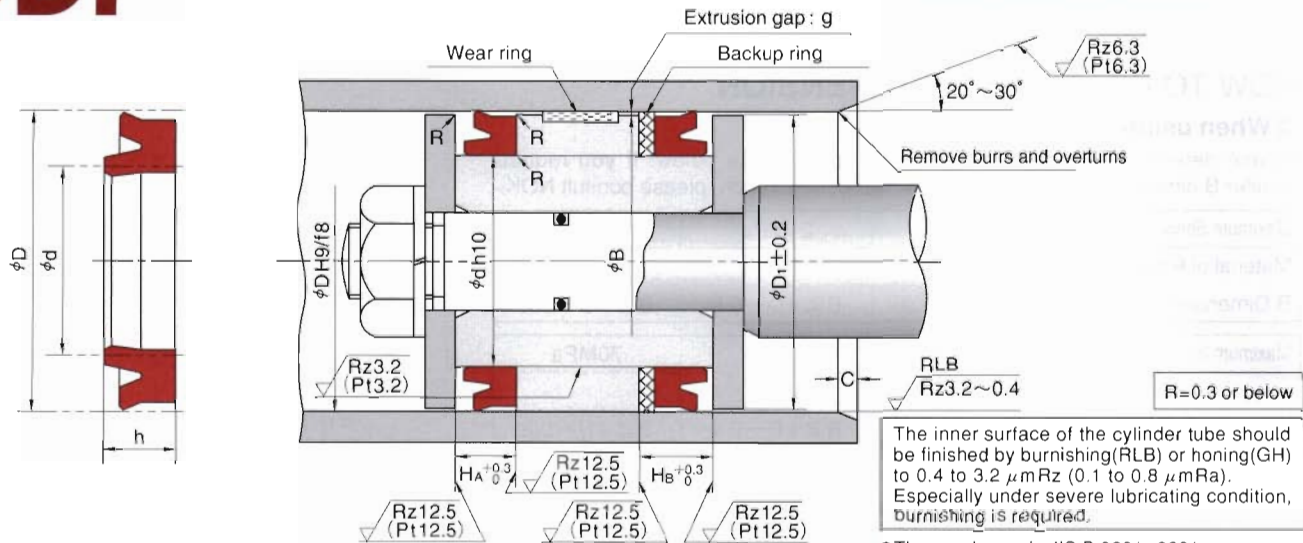
To determine B dimension, please refer to the graph in the right for the maximum extrusion gap (one side) considering the eccentricity of operating condition of the piston.



Nominal Size of Packing, and Housing dimensions							Packing Part Number	Combination Backup Ring Part Number	
D	d	h	H _A	H _B	ϕD_1	C		BRT3(Endless) 19YF	BRN3(Endless) 80NP
43	30	10	11	14	42	3.5	FU2159H0	GN6459V0	GN9123O1
44.5	31.5	10	11	14	43.5		FU2160H0	GN6461V0	GN9125O1
45	30	9	10	13	44		FU0559H0	GN7061V0	GN9801O0
	30	10	11	14	44		FU0560H0	GN7061V0	GN9801O0
	32	8	9	12	44		FU0561H0	GN7242V0	GN9802O0
	32	10	11	14	44		FU0562H0	GN7242V0	GN9802O0
50	35	8	9	12	44		FU0564H0	GN6463V0	GN9127O1
	34	10	11	14	49		FU0608H0	GN6462V0	GN9126O1
	34	12	13	16	49		FU0609H0	GN6462V0	GN9126O1
	35	9	10	13	49		FU0610H0	GN0816V0	GN9128O1
	35	10	11	14	49	FU0611H0	GN0816V0	GN9128O1	
	35	12	13	16	49	FU2161H0	GN0816V0	GN9128O1	
51.5	40	8	9	12	49	FU0614H0	GN6465V0	GN9131O1	
	35.5	12	13	16	50.5	FU2162H0	GN6330V0	GN9130O1	
55	40	9	10	13	54	FU0689H0	GN6759V0	GN9948O0	
	40	10	11	14	54	FU0690H0	GN6759V0	GN9948O0	
	45	8	9	12	54	FU0693H0	GN6467V0	GN9133O1	
56	40	10	11	14	55	FU0716H0	GN6466V0	GN9132O1	
	40	12	13	16	55	FU0717H0	GN6466V0	GN9132O1	
	41	9	10	13	55	FU0718H0	GN0835V0	GN9949O0	
	41	10	11	14	55	FU0719H0	GN0835V0	GN9949O0	
	46	8	9	12	55	FU0721H0	GN7243V0	GN9782O1	
60	45	9	10	13	59	FU0740H0	GN0845V0	GN9950O0	
	45	10	11	14	59	FU0741H0	GN0845V0	GN9950O0	
	50	8	9	12	59	FU0743H0	GN6302V0	GN9138O1	
61	45	12	13	16	60	FU2163H0	GN6469V0	GN9135O1	
63	47	10	11	14	62	FU0779H0	GN6471V0	GN9137O1	
	47	12	13	16	62	FU0780H0	GN6471V0	GN9137O1	
	48	9	10	13	62	FU0781H0	GN0853V0	GN9951O0	
	48	10	11	14	62	FU0782H0	GN0853V0	GN9951O0	
	53	8	9	12	62	FU0785H0	GN6413V0	GN9140O1	
65	50	9	10	13	64	FU0804H0	GN6439V0	GN9952O0	
	50	10	11	14	64	FU0805H0	GN6439V0	GN9952O0	
	55	8	9	12	64	FU0808H0	GN6472V0	GN9141O1	
66	50	12	13	16	65	FU2164H0	GN6329V0	GN9139O1	
69	53	12	13	16	68	FU0836H0	GN7008V0	GN9803O0	
70	50	12	13	16	69	FU0842H0	GN6592V0	GN9529O0	
	55	9	10	13	69	FU0844H0	GN6408V0	GN9804O0	
	55	10	11	14	69	FU0845H0	GN6408V0	GN9804O0	
	60	8	9	12	69	FU0847H0	GN6444V0	GN9144O1	

F DIMENSION ODI

ODI TYPE SPECIAL PACKINGS FOR PISTON SEALS



Nominal Size of Packing, and Housing dimensions							Packing Part Number	Combination Backup Ring Part Number	
D	d	h	H _A	H _B	φD ₁	C		BRT3(Endless) 19YF	BRN3(Endless) 80NP
71	51	12	13	16	70	5	FU0872H0	GN0862V0	GN9805O0
	55	10	11	14	70		FU0873H0	GN6473V0	GN9142O1
	55	12	13	16	70		FU0874H0	GN6473V0	GN9142O1
	56	9	10	13	70		FU0875H0	GN7247V0	GN9806O0
	58	10	11	14	70		FU0876H0	GN7247V0	GN9806O0
	61	8	9	12	70		FU0878H0	GN7248V0	GN9783O1
75	55	12	13	16	74		FU0894H0	GN7249V0	GN9807O0
	60	9	10	13	74		FU0895H0	GN6363V0	GN9808O0
	60	10	11	14	74		FU0896H0	GN6363V0	GN9808O0
76	65	8	9	12	74		FU0898H0	GN6479V0	GN9149O1
	60	12	13	16	75		FU2165H0	GN6476V0	GN9146O1
80	60	12	13	16	79		FU0929H0	GN0886V1	GN9953O0
	64	10	11	14	79		FU0931H0	GN6478V0	GN9148O1
	64	12	13	16	79		FU0932H0	GN6478V0	GN9148O1
	65	9	10	13	79		FU0933H0	GN6364V0	GN9754O1
	65	10	11	14	79		FU0934H0	GN6364V0	GN9754O1
	70	8	9	12	79		FU0937H0	GN6362V1	GN9092O1
85	65	12	13	16	84		FU0974H0	GN0899V0	GN9810O0
	70	9	10	13	84	FU0977H0	GN6442V0	GN9411O0	
	70	10	11	14	84	FU0978H0	GN6442V0	GN9411O0	
	75	8	9	12	84	FU0980H0	GN6729V0	GN9241O1	
90	70	12	13	16	89	FU1014H0	GN0910V0	GN9151O1	
	70	15	16	19	89	FU1015H0	GN0910V0	GN9151O1	
	75	9	10	13	89	FU1017H0	GN6443V0	GN9757O1	
	75	10	11	14	89	FU1018H0	GN6443V0	GN9757O1	
	80	8	9	12	89	FU1020H0	GN6483V0	GN9155O1	
	80	10	11	14	94	FU1047H0	GN6898V0	GN9582O0	
95	75	12	13	16	94	FU1045H0	GN0920V0	GN9154O1	
	75	15	16	19	94	FU1046H0	GN0920V0	GN9154O1	
	80	9	10	13	94	FU1048H0	GN6898V0	GN9582O0	
	80	10	11	14	94	FU1048H0	GN6898V0	GN9582O0	
100	80	12	13	16	98	FU1072H0	GN0927V0	GN9156O1	
	80	15	16	19	98	FU1074H0	GN0927V0	GN9156O1	
	85	10	11	14	98	FU1079H0	GN6484V0	GN9091O1	
105	85	15	16	19	103	FU2166H0	GN0932V0	GN9157O1	
110	90	12	13	16	108	FU1149H0	GN0939V0	GN9159O1	
	90	15	16	19	108	FU1150H0	GN0939V0	GN9159O1	
	95	10	11	14	108	FU1153H0	GN6486V0	GN9160O1	
112	92	12	13	16	110	FU1174H0	GN0940V0	GN9811O0	
	92	15	16	19	110	FU1175H0	GN0940V0	GN9811O0	
	97	9	10	13	110	FU1176H0	GN7250V0	GN9812O0	
	97	10	11	14	110	FU1177H0	GN7250V0	GN9812O0	

F DIMENSION ODI

HOW TO DETERMINE B DIMENSION

■ When using backup ring

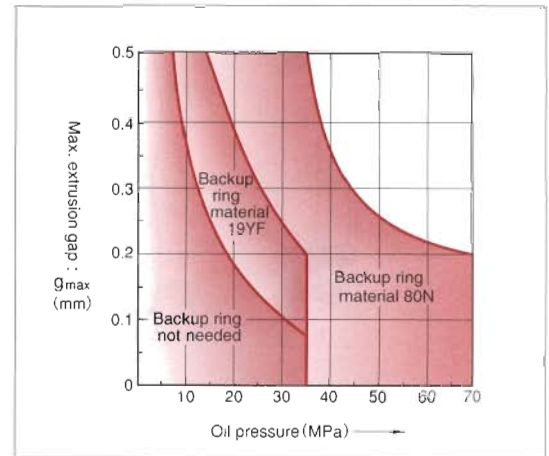
Please determine B dimension according to the table below. If you require smaller B dimension because of the cylinder configuration, please consult NOK.

Maximum Service Pressure	14MPa	21MPa	35MPa
Material of Backup ring	19YF		
B Dimension	$B \geq \phi D - 1.0$	$B \geq \phi D - 0.5$	$B \geq \phi D - 0.2$

Maximum Service Pressure	35MPa	42MPa	70MPa
Material of Backup ring	80NP		
B Dimension	$B \geq \phi D - 0.8$	$B \geq \phi D - 0.4$	$B \geq \phi D - 0.2$

■ When not using backup ring

To determine B dimension, please refer to the graph in the right for the maximum extrusion gap (one side) considering the eccentricity of operating condition of the piston.



Nominal Size of Packing, and Housing dimensions							Packing Part Number	Combination Backup Ring Part Number	
D	d	h	H _A	H _B	φD ₁	C		BRT3(Endless)	BRN3(Endless)
								19YF	80NP
115	95	15	16	19	113	5	FU2167H0	GN0945V0	GN9161O1
120	100	12	13	16	118		FU1210H0	GN0952V0	GN9164O1
	100	15	16	19	118		FU1211H0	GN0952V0	GN9164O1
	105	10	11	14	118		FU1213H0	GN6684V0	GN9589O1
125	105	12	13	16	123		FU1243H0	GN0959V0	GN9165O1
	105	15	16	19	123		FU1244H0	GN0959V0	GN9165O1
	105	16	17	20	123		FU1245H0	GN0959V0	GN9165O1
	110	9	10	13	123		FU1247H0	GN6761V0	GN9430O1
	110	10	11	14	123		FU1248H0	GN6761V0	GN9430O1
	130	110	12	13	16		128	FU1274H0	GN6790V0
110		15	16	19	128		FU1275H0	GN6790V0	GN9694O0
110		16	17	20	128		FU1276H0	GN6790V0	GN9694O0
115		10	11	14	128	FU1279H0	GN6741V0	GN9274O1	
132		112	15	16	19	130	FU2168H0	GN0970V0	GN9168O1
140	120	12	13	16	138	FU1316H0	GN0982V0	GN9169O1	
	120	15	16	19	138	FU1317H0	GN0982V0	GN9169O1	
	120	16	17	20	138	FU1318H0	GN0982V0	GN9169O1	
	125	10	11	14	138	FU1321H0	GN6491V0	GN9170O1	
150	125	19	20	23	148	FU2169H0	GN6135V0	GN9171O1	
	125	20	21	24	148	FU1351H0	GN6135V0	GN9171O1	
	130	12	13	16	148	FU1352H0	GN6925V0	GN9335O1	
	130	16	17	20	148	FU1354H0	GN6925V0	GN9335O1	
	135	10	11	14	148	FU1357H0	GN6666V0	GN9539O1	
	157	132	20	21	24	155	FU1909H0	GN7013V0	GN9813O0
160	135	19	20	23	158	FU2170H0	GN6492V0	GN9172O1	
	135	20	21	24	158	FU1398H0	GN6492V0	GN9172O1	
	140	12	13	16	158	FU1399H0	GN1002V0	GN9668O0	
	140	16	17	20	158	FU1402H0	GN1002V0	GN9668O0	
	145	10	11	14	158	FU1405H0	GN6495V0	GN9175O1	
	165	140	19	20	23	163	FU1426H0	GN6494V0	GN9174O1
140		20	21	24	163	FU2186H0	GN6494V0	GN9174O1	
170		145	19	20	23	168	FU1436H0	GN6496V0	GN9176O1
	145	20	21	24	168	FU1437H0	GN6496V0	GN9176O1	
	150	12	13	16	168	FU1438H0	GN1011V0	GN9672O1	
	150	16	17	20	168	FU1440H0	GN1011V0	GN9672O1	
	155	10	11	15	168	FU1442H0	GN6498V0	GN9178O1	
	180	155	16	17	21	178	FU1475H0	GN1016V0	GN9179O1
155		19	20	24	178	FU2171H0	GN1016V0	GN9179O1	
155		20	21	25	178	FU1476H0	GN1016V0	GN9179O1	
160		12	13	17	178	FU1478H0	GN6905V0	GN9814O0	
160		16	17	21	178	FU1479H0	GN6905V0	GN9814O0	
165		10	11	15	178	FU1482H0	GN6500V0	GN9182O1	

F DIMENSION

HOW TO DETERMINE B DIMENSION

■ When using backup ring

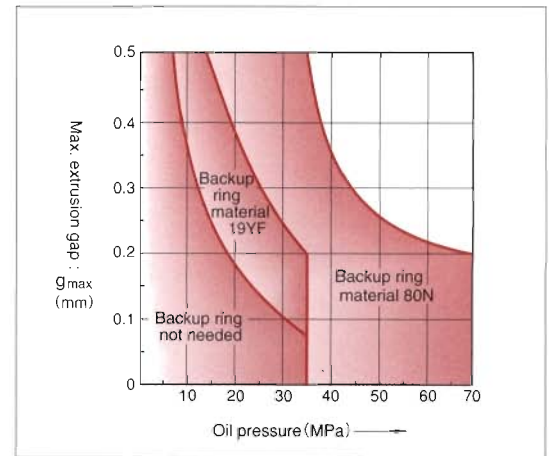
Please determine B dimension according to the table below. If you require smaller B dimension because of the cylinder configuration, please consult NOK.

Maximum Service Pressure	14MPa	21MPa	35MPa
Material of Backup ring	19YF		
B Dimension	$B \geq \phi D - 1.0$	$B \geq \phi D - 0.5$	$B \geq \phi D - 0.2$

Maximum Service Pressure	35MPa	42MPa	70MPa
Material of Backup ring	80NP		
B Dimension	$B \geq \phi D - 0.8$	$B \geq \phi D - 0.4$	$B \geq \phi D - 0.2$

■ When not using backup ring

To determine B dimension, please refer to the graph in the right for the maximum extrusion gap (one side) considering the eccentricity of operating condition of the piston.



Nominal Size of Packing, and Housing dimensions							Packing Part Number	Combination Backup Ring Part Number	
D	d	h	H _A	H _B	ϕD_1	C		BRT3(Endless) 19YF	BRN3(Endless) 80NP
270	245	16	17	21	268	6.5	FU1715H0	GN7258V0	GN9675O0
	245	19	20	24	268		FU1716H0	GN7258V0	GN9675O0
	250	16	17	21	268		FU1718H0	GN6512V0	GN9199O1
275	250	19	20	24	273	7.5	FU2176H0	GN1078V0	GN9200O1
	250	20	21	25	273		FU2189H0	GN1078V0	GN9200O1
280	250	19	20	24	278		FU1729H0	GN6197V0	GN9432O1
	255	19	20	24	278		FU1731H0	GN6513V0	GN9201O1
290	260	19	20	24	288		FU1744H0	GN1083V0	GN9431O1
	265	19	20	24	288		FU1746H0	GN6318V0	GN9203O1
297	265	24	25	29	295		FU2177H0	GN6515V0	GN9204O1
	265	25	26	30	295		FU2190H0	GN6515V0	GN9204O1
300	270	19	20	24	298		FU1758H0	GN1089V0	GN9206O1
	270	24	25	29	298		FU2178H0	GN1089V0	GN9206O1
	270	25	26	30	298	FU1759H0	GN1089V0	GN9206O1	
	275	19	20	24	298	FU1761H0	GN6517V0	GN9207O1	
312	280	24	25	29	310	FU2193H0	GN6519V0	GN9209O1	
332	300	24	25	29	330	FU2194H0	GN6522V0	GN9212O1	

HOW TO DETERMINE B DIMENSION

■ When using backup ring

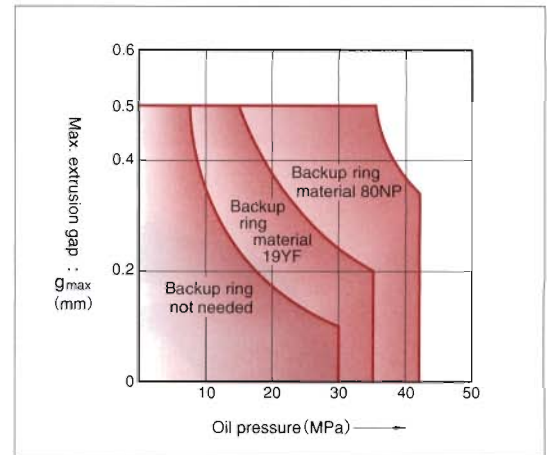
Please determine B dimension according to the table below. If you require smaller B dimension because of the cylinder configuration, please consult NOK.

Maximum Service Pressure	14MPa	21MPa	35MPa
Material of Backup ring	19YF		
B Dimension	$B \geq \phi D - 1.0$	$B \geq \phi D - 0.5$	$B \geq \phi D - 0.2$

Maximum Service Pressure	35MPa	42MPa
Material of Backup ring	80NP	
B Dimension	$B \geq \phi D - 0.8$	$B \geq \phi D - 0.4$

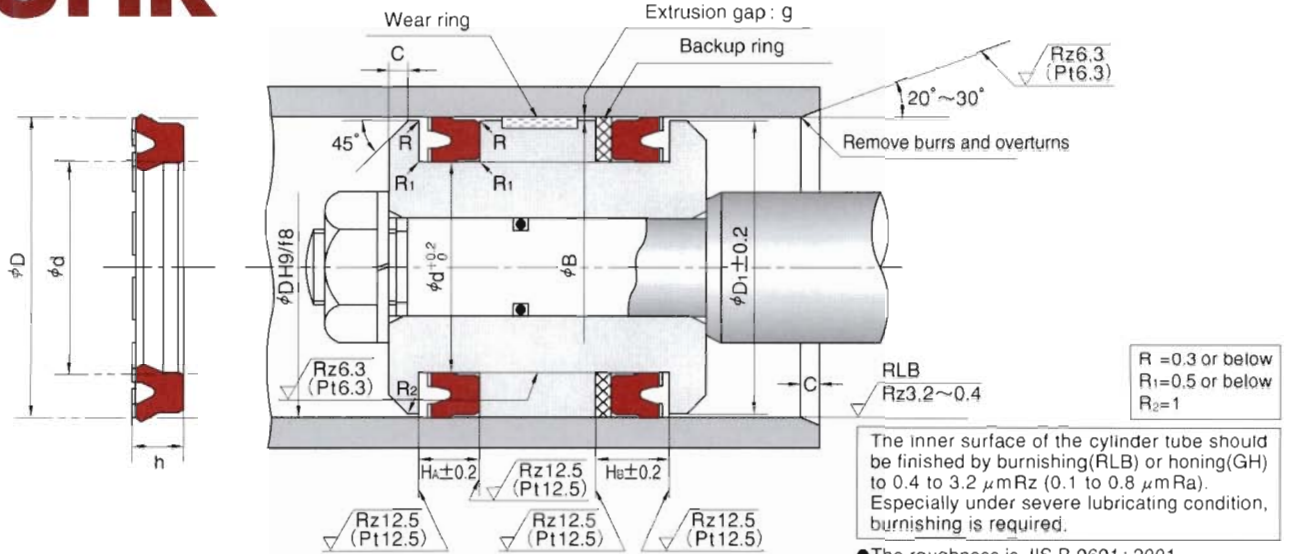
■ When not using backup ring

To determine B dimension, please refer to the graph in the right for the maximum extrusion gap (one side) considering the eccentricity of operating condition of the piston.



Nominal Size of Packing, and Housing dimensions							Packing Part Number	Combination Backup Ring Part Number			
D	d	h	H _A	H _B	φD ₁	C		BRT2(Biascut)	BRN2(Biascut)		
								19YF	80NP		
155	140	9	10	13	153	4	GN4526V0	GN9410O0			
160	145	9			158		GN4551V0	GN9175O0			
170	155	9			168		GN4834V0	GN9178O0			
175	160	9		14	173		GN4835V0	GN9180O0			
180	165	9			178		GN4836V0	GN9182O0			
190	175	9			188		GN4839V0	GN9185O0			
200	180	12	13	17	198	5	GN4470V0	GN9187O0			
210	190	12			208		GN4841V0	GN9190O0			
220	200	12			218		GN4385V0	GN9191O0			
224	204	12			222		FU1606L0	GN4842V0	GN9193O0		
225	205	12			223		FU1618L0	GN5710V0	GN9784O0		
230	210	12			228		FU1635L0	GN4627V0	GN9195O0		
240	220	12			238		FU1655L0	GN4444V0	GN9196O0		
250	230	12			248		FU1675L0	GN4635V0	GN9047O0		
260	240	12			258		FU1700L0	GN4845V0	GN9198O0		
270	250	12			268		FU1717L0	GN4459V0	GN9199O0		
280	255	16			17		21	278	6.5	GN4846V0	GN9201O0
290	265	16						288		FU1730L0	GN4846V0
300	275	16	288	FU1745L0		GN4848V0		GN9203O0			
			298	FU1760L0		GN4852V0		GN9207O0			

OUHR TYPE SPECIAL PACKINGS FOR PISTON SEALS (INSTALLED WITH INTERNAL GROOVE)



● The roughness is JIS B 0601 : 2001.
When regulation length cannot be kept, apply Pt.

HOW TO DETERMINE B DIMENSION

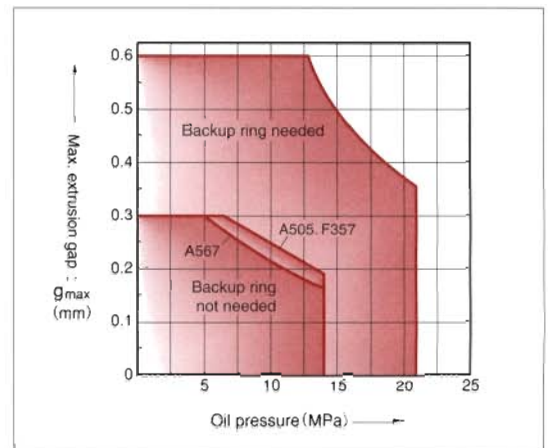
■ When using backup ring

Please determine B dimension according to the table below. If you require smaller B dimension because of the cylinder configuration, please consult NOK.

Maximum Service Pressure	14MPa	21MPa
Material of Backup ring	19YF	
B Dimension	$B \geq \phi D - 1.0$	$B \geq \phi D - 0.5$

■ When not using backup ring

To determine B dimension, please refer to the graph in the right for the maximum extrusion gap (one side) considering the eccentricity of operating condition of the piston.



Nominal Size of Packing, and Housing dimensions							Packing Part Number		Combination Backup Ring Part Number	
D	d	h	H _A	H _B	φD ₁	C	標準(A505)	耐寒(A567)	BRT2(Biascut) 19YF	
32	24	5	5.7	7.7	31	3.5	CU2683Q2	CU2683Q3	GN5727V0	
40	30	6	7	10	39		CU2684Q3	CU2684Q5	GN4794V0	
50	40				49		CU2604Q3	CU2604Q4	GN4050V0	
55	45				54		CU2697Q1	GN4804V0		
60	50				59		CU2696Q2	CU2696Q3	GN4335V0	
63	53				62		CU2685Q0	CU2685Q4	GN4693V0	
65	55				64		CU2930Q2	CU2930Q3	GN4810V0	
70	60	69	CU2634Q2	GN4676V0						
75	62	7.5	8.5	11.5	74		CU2943Q2	CU2943Q3	GN5712V0	
80	65	9	10	13	79		CU2666Q2	CU2666Q3	GN4549V0	
	71	6	7	10		CU3238Q1	GN4818V0			
85	70	9	10	13	84	CU0977Q2	CU0977Q3	GN4876V0		
95	80				94	CU2605Q2	CU2605Q4	GN5023V0		
100	85				98	CU2669Q2	CU2669Q3	GN4687V0		
110	95				108	CU2607Q2	CU2607Q3	GN4822V0		
115	100				113	CU3241Q2	GN4512V0			
125	110				123	CU2670Q2	GN4480V0			
	112	8.5	9.5	12.5	128	CU3492Q0	GN4827V0			
130	115				128	CU2609Q2	CU2609Q3	GN4593V0		
140	125				9	10	138	CU2647Q3	CU2647Q2	GN4481V0
150	136				8.5	9.5	148	CU3244Q1	GN4830V0	
160	145	9	10	13	158	CU2687Q1	GN4551V0			
180	165			14	178	CU2688Q1	GN4836V0			
200	180			198	CU1539Q1	CU1539Q2	GN4470V0			
224	204	12	13	17	222	CU3491Q0	GN4842V0			
250	230				248	CU2691Q2	CU2691Q3	GN4635V0		

SPG TYPE

SPECIAL PACKINGS
FOR PISTON SEALS
RAREFLON (PTFE) +
NITRILE RUBBER (NBR)



● Please designate NOK Part number and type & size on your order.

(Example) • Type Dimensions

SPG 20.5 30 4.3

Type Sign

Nominal Size of Packing
described in order of
inner diameter(d), outer diameter(D), and height(h)

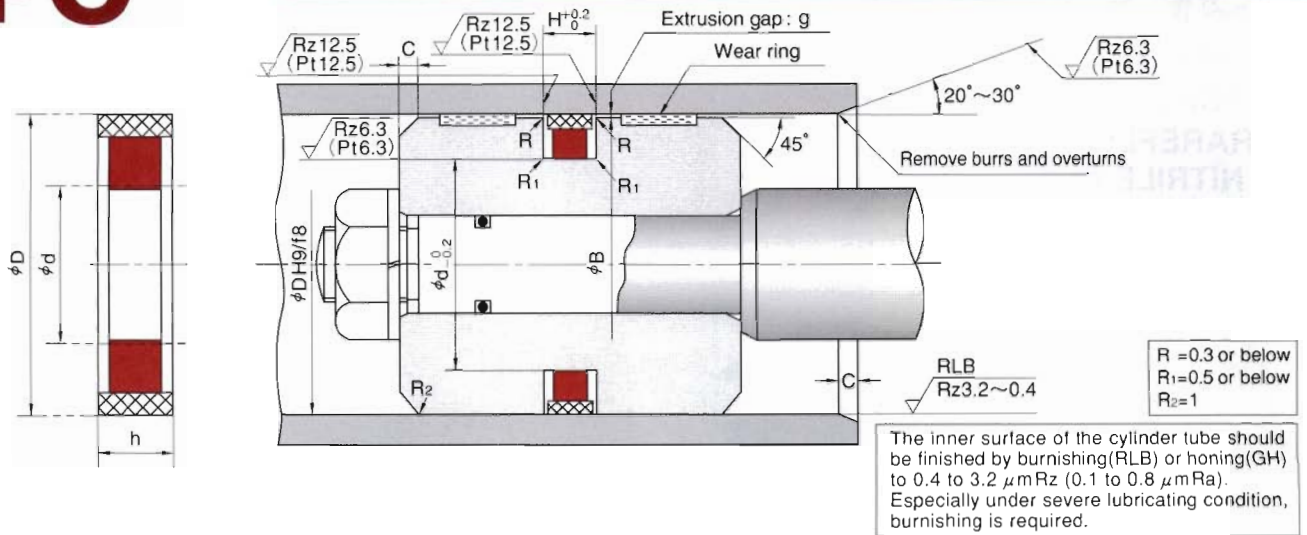
• Part Number

GS0327V0

● Please check the application range on pages 14 and 15 before selecting the type.

Material	<p>NOK 19YF + NOK A980 : Outer diameter 950mm or less</p> <p>NOK 19YF + NOK A402 : Outer diameter more than 950mm</p>
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SPG TYPE SPECIAL PACKINGS FOR PISTON SEALS



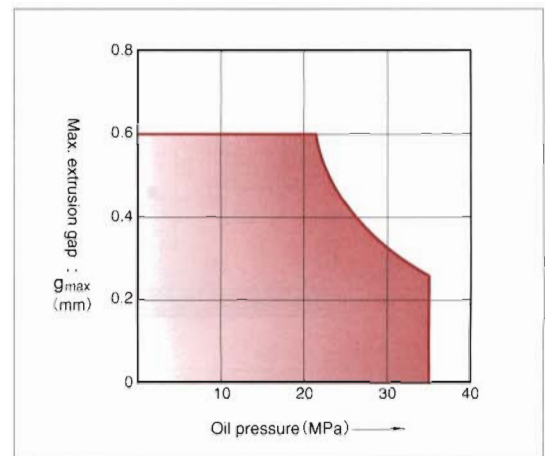
●The roughness is JIS B 0601 : 2001.
When regulation length cannot be kept, apply Pt.

Nominal Number	Nominal Size of Packing, and Housing dimensions					NOK Part Number
	d	D	h	H	C	
SPG 30	20.5	30	4.3	4.5	2	GS0327V0
31.5	22	31.5				GS0328V0
32	22.5	32			3.5	GS0329V0
35	25.5	35				GS0330V0
35.5	26	35.5				GS0331V0
40	30	40				GS0332V0
45	35	45				GS0333V0
50	40	50				GS0334V0
55	45	55				GS0335V0
56	46	56				GS0336V0
60	50	60	4	GS0337V0		
63	48	63		GS0338V0		
65	50	65		GS0339V0		
69	54	69		GS0340V0		
70	55	70		GS0341V0		
71	56	71		GS0342V0		
75	60	75		GS0343V0		
80	65	80		GS0344V0		
85	70	85		GS0345V0		
90	75	90		5	GS0310V0	
95	80	95	GS0346V0			
100	85	100	GS0347V0			
105	90	105	GS3509V0			
108	92	108	GS0348V0			
110	94	110	GS0311V0			
112	96	112	GS0349V0			
120	104	120	6.5		GS0350V0	

F DIMENSION SPG

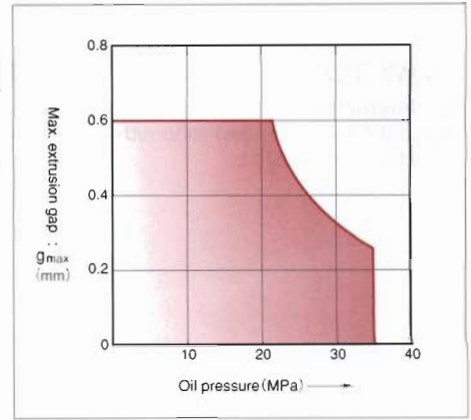
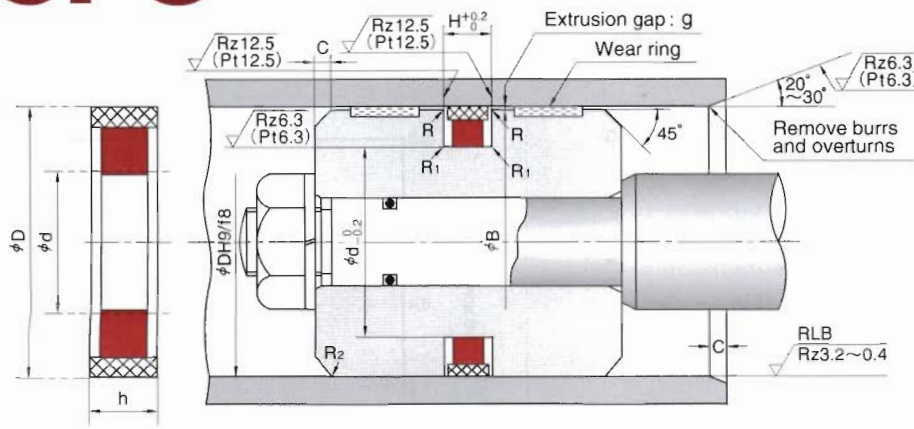
HOW TO DETERMINE B DIMENSION

To determine B dimension, please refer to the graph in the right for the maximum extrusion gap (one side) considering the eccentricity of operating condition of the piston.



Nominal Number	Nominal Size of Packing, and Housing dimensions					NOK Part Number
	d	D	h	H	C	
SPG 125	109	125	7.3	7.5	6.5	GS0351V0
130	114	130				GS0352V0
135	119	135				GS0806V1
140	124	140				GS0353V0
145	129	145				GS0885V0
150	134	150				GS0354V0
155	139	155				GS3133V1
160	144	160				GS0355V0
170	148	170				GS0356V0
180	158	180				GS0357V0
190	168	190	10.8	11	GS0358V0	
200	178	200			GS0359V0	
204	182	204			GS0360V0	
210	188	210			GS0361V0	
215	193	215			GS0548V0	
220	198	220			GS0842V0	
224	202	224			GS0362V0	
225	203	225			GS0363V0	
230	208	230			GS0364V0	
240	218	240			GS0365V0	
250	228	250	11.7	12	GS0366V0	
260	236	260			GS0700V0	
270	246	270			GS0701V0	
280	256	280			GS0702V0	
290	266	290			GS0703V0	
300	276	300			GS0704V0	
310	286	310			GS0705V0	
320	296	320			GS0706V0	

SPG TYPE SPECIAL PACKINGS FOR PISTON SEALS (LARGE DIMENSION)



The inner surface of the cylinder tube should be finished by burnishing (RLB) or honing (GH) to 0.4 to 3.2 μm Rz (0.1 to 0.8 μm Ra). Especially under severe lubricating condition, burnishing is required.

R = 0.3 or below
R₁ = 0.5 or below
R₂ = 1

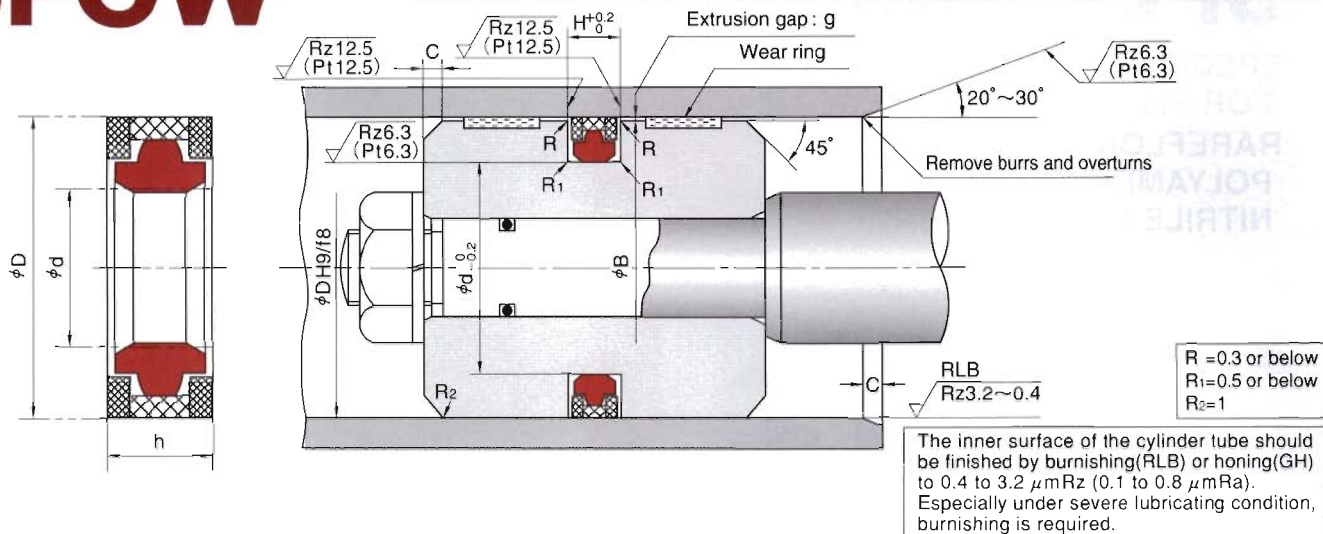
● The roughness is JIS B 0601 : 2001. When regulation length cannot be kept, apply Pt.

HOW TO DETERMINE B DIMENSION

To determine B dimension, please refer to the graph in the right for the maximum extrusion gap (one side) considering the eccentricity of operating condition of the piston.

Nominal Number	Nominal Size of Packing, and Housing dimensions					C	NOK Part Number																						
	d	D	h	H																									
SPG 330	308	330	9.75	10	10	GS0408V0																							
360	336	360	11.7	12			GS0917V0																						
400	376	400						14.8	15	GS3361V0																			
485	455	485	17.2	17.5							GS0504V1																		
500	470	500										14.8	15	GS0261V2															
550	515	550													15	15	GS0379V2												
600	570	600																15	15	GS0324V2									
650	620	650																			15	15	GS0527V0						
720	690	720																						15	15	GS0492V0			
800	785	800																									15	15	GS0520V0
900	870	900			15	15																							
930	890	930					15																						
935	920	935						15	15	GS0521V0																			
950	925	950	15	15							GS0285V2																		
1000	960	1000										15	15	GS0512V0															
1060	1020	1060													15	15	GS0587V0												
1120	1080	1120																15	15	GS0584V0									
1150	1110	1150																			15	15	GS3007V0						
1180	1130	1180																						15	15	GS0599V1			
1210	1170	1210																									15	15	GS0465V0
1250	1210	1250			15	15																							
1260	1220	1260					15																						
1400	1350	1400						15	15	GS0402V0																			
1500	1460	1500	15	15							GS0852V0																		
1650	1600	1650										15	15	GS0579V0															

SPGW TYPE SPECIAL PACKINGS FOR PISTON SEALS



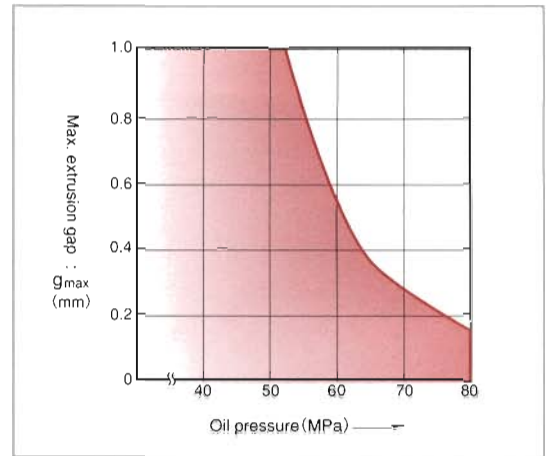
●The roughness is JIS B 0601 : 2001.
When regulation length cannot be kept, apply Pt.

Nominal Number	Nominal Size of Packing, and Housing dimensions					NOK Part Number
	d	D	h	H	C	
SPGW 50	36	50	8.5	9	4	GS0535V5
60	46	60				GS0528V5
65	50	65				GS3013V5
70	55	70				GS0607V5
75	60	75	10.5	11	5	GS0995V5
80	65	80				GS0608V5
85	70	85				GS0813V5
90	75	90				GS0609V5
95	80	95				GS0481V5
100	85	100	12	12.5	6.5	GS0610V6
105	90	105				GS0973V5
110	95	110				GS0611V5
115	100	115				GS0626V5
120	105	120				GS0612V7
125	102	125				GS0583V5
130	107	130	15.5	16	6.5	GS0613V5
135	112	135				GS0908V5
140	117	140				GS0432V5
145	122	145				GS0907V1

F DIMENSION SPGW

HOW TO DETERMINE B DIMENSION

To determine B dimension, please refer to the graph in the right for the maximum extrusion gap (one side) considering the eccentricity of operating condition of the piston.



Nominal Number	Nominal Size of Packing, and Housing dimensions					NOK Part Number
	d	D	h	H	C	
SPGW 150	127	150	15.5	16	6.5	GS0614V5
160	137	160				GS0615V5
170	147	170				GS0688V5
180	157	180				GS0616V5
185	162	185				GS0653V5
190	167	190				GS0644V5
200	177	200				GS0617V5
210	187	210				GS0654V2
220	197	220				GS0655V2
225	202	225				GS0618V2
230	207	230				GS0664V2
240	217	240				GS0656V2
250	222	250				GS0451V4
260	232	260				GS0605V2
270	242	270	GS0689V2			
280	252	280	GS0619V2			
300	272	300	GS0510V2			
320	292	320	GS0690V2			

F
 DIMEN
 SION
SPGW

SPGO TYPE

SPECIAL PACKINGS
FOR PISTON SEALS
RAREFLON (PTFE) +
NITRILE RUBBER (NBR)



● Please designate NOK Part number and type & size on your order.

(Example) • Type Dimensions

SPGO 14 20 3

Type Sign

Nominal Size of Packing
described in order of
inner diameter(d), outer diameter(D), and height(h)

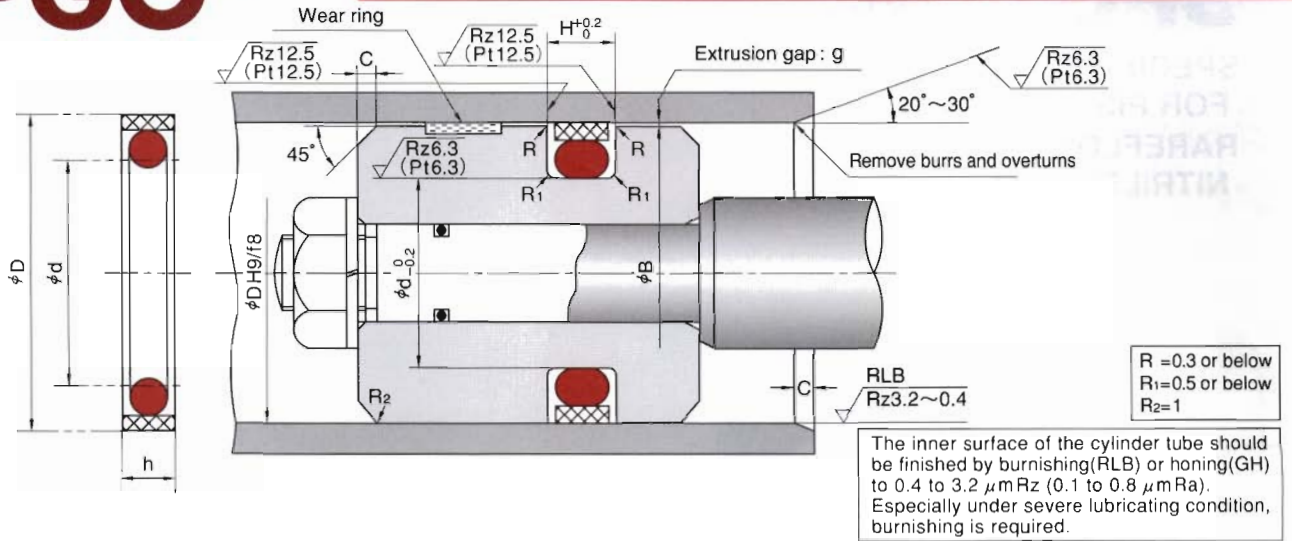
• Part Number

GS1800V0

● Please check the application range on pages 14 and 15 before selecting the type.

Material	NOK 19YF + NOK A305
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SPGO TYPE SPECIAL PACKINGS FOR PISTON SEALS



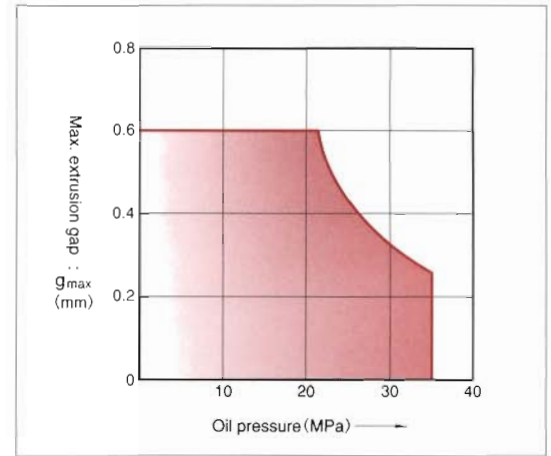
● The roughness is JIS B 0601 : 2001.
When regulation length cannot be kept, apply Pt.

Nominal Number	Nominal Size of Packing, and Housing dimensions					NOK Part Number	
	d	D	h	H	C		
SPGO 20	14	20	3	3.2	2	GS1800V0	
25	19	25				GS1801V0	
30	21.5	30	3.8	4	3.5	GS1802V0	
31.5	23	31.5				GS1803V0	
32	23.5	32				GS1804V0	
35	26.5	35				GS1805V0	
35.5	27	35.5				GS1806V0	
40	31.5	40			GS1807V0		
45	36.5	45			GS1808V0		
50	41.5	50			4	4	GS1809V0
53	44.5	53					GS1810V0
55	46.5	55					GS1811V0
56	47.5	56	GS1812V0				
60	51.5	60	GS1813V0				
63	49	63	6.3	6.5	GS1814V0		
65	51	65			GS1815V0		
70	56	70			GS1816V0		
71	57	71			GS1817V0		
75	61	75			GS1818V0		
80	66	80			GS1819V0		
85	71	85			5	5	GS1820V0
90	76	90					GS1821V0
95	81	95					GS1822V0
100	86	100					GS1823V0
105	91	105	GS1824V0				
110	96	110	6.5	6.5	GS1825V0		
112	98	112			GS1826V0		
115	101	115			GS1827V0		
120	106	120			GS1828V0		

F DIMENSION SPGO

HOW TO DETERMINE B DIMENSION

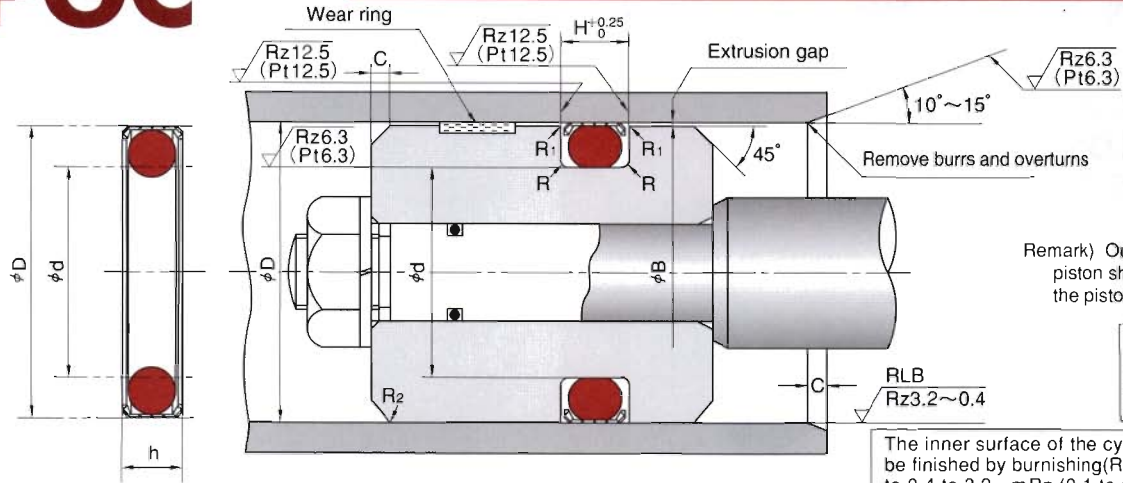
To determine B dimension, please refer to the graph in the right for the maximum extrusion gap (one side) considering the eccentricity of operating condition of the piston.



Nominal Number	Nominal Size of Packing, and Housing dimensions					NOK Part Number
	d	D	h	H	C	
SPGO 125	111	125	6.3	6.5	6.5	GS1829V0
130	116	130				GS1830V0
135	121	135				GS1831V0
140	126	140				GS1832V0
150	136	150				GS1833V0
160	146	160				GS1834V0
170	150	170				GS1835V0
180	160	180				GS1836V0
190	170	190				GS1837V0
200	180	200				GS1838V0
210	190	210	GS1839V0			
220	200	220	GS1840V0			
224	204	224	GS1841V0			
230	210	230	GS1842V0			
240	220	240	GS1843V0			
250	230	250	GS1844V0			
260	240	260	GS1845V0			
270	250	270	GS1846V0			
280	260	280	GS1847V0			
290	270	290	GS1848V0			
300	280	300	GS1849V0			
310	290	310	GS1850V0			
320	300	320	GS1851V0			
340	320	340	GS1852V0			
350	330	350	GS1853V0			
360	340	360	GS1854V0			
375	355	375	GS1855V0			
380	360	380	GS1856V0			
400	380	400	GS1857V0			

F DIMENSION SPGO

SPGC TYPE SPECIAL PACKINGS FOR PISTON SEALS



Remark) Outer diameter of the piston should be $\phi D/8$ when the piston is used as bearing.

$R_1=0.3$ or below
 $R_2=1$
 For R, please refer to the table below.

The inner surface of the cylinder tube should be finished by burnishing (RLB) or honing (GH) to 0.4 to 3.2 $\mu m R_z$ (0.1 to 0.8 $\mu m R_a$). Especially under severe lubricating condition, burnishing is required.

● The roughness is JIS B 0601 : 2001.
 When regulation length cannot be kept, apply Pt.

Nominal Number	Nominal Size of Packing			Housing dimensions								NOK Part Number			
				For general hydraulic use				For pneumatic and hydraulic low-friction applications					H	R	C
				ϕd	ϕD	ϕd	ϕD	ϕd	ϕD	ϕd	ϕD				
SPGC 6	3	6	2.3	3	6	2.5	6	2.5	6	2.5	0.3 or below	3~4	●GS1000F0		
7	4	7		4	7	3.5	7	3.5	7				●GS1001F0		
8	5	8		5	8	4.5	8	4.5	8				●GS1002F0		
9	6	9		6	9	5.5	9	5.5	9				●GS1003F0		
10	7	10		7	10	6.5	10	6.5	10				●GS1004F0		
11	8	11		8	11	7.5	11	7.5	11				●GS1005F0		
12	9	12		9	12	8.5	12	8.5	12				●GS1006F0		
13	10	13		10	13	9.5	13	9.5	13				●GS1007F0		
14	10	14		10	14	9.4	14	9.4	14				●GS1008F0		
15	11	15		11	15	10.4	15	10.4	15				●GS1009F0		
15.2	11.2	15.2		11.2	15.2	10.6	15.2	10.6	15.2				●GS1010F0		
16	12	16		12	16	11.4	16	11.4	16				●GS1011F0		
16.5	12.5	16.5		12.5	16.5	11.9	16.5	11.9	16.5				●GS1012F0		
18	14	18		3	14	18	13.4	18	13.4				18	3.2	0.4 or below
19	15	19	15		19	14.4	19	14.4	19	●GS1014F0					
20	16	20	16		20	15.4	20	15.4	20	●GS1015F0					
22	18	22	18		22	17.4	22	17.4	22	●GS1016F0					
24	20	24	20		24	19.4	24	19.4	24	●GS1017F0					
25	21	25	21		25	20.4	25	20.4	25	●GS1018F0					
26	22	26	22		26	21.4	26	21.4	26	●GS1020F0					
28	22	28	22		28	21.4	28	21.4	28	●GS1019F0					
28.4	22.4	28.4	22.4		28.4	21.8	28.4	21.8	28.4	●GS1021F0					
30	24	30	24		30	23.4	30	23.4	30	●GS1022F0					
31	25	31	25		31	24.4	31	24.4	31	●GS1023F0					
31.5	25.5	31.5	25.5		31.5	24.9	31.5	24.9	31.5	●GS1024F0					
32	26	32	26		32	25.4	32	25.4	32	●GS1025F0					
34	28	34	28		34	27.4	34	27.4	34	●GS1026F0					
35	29	35	29	35	28.4	35	28.4	35	●GS1027F0						
35.5	29.5	35.5	29.5	35.5	28.9	35.5	28.9	35.5	●GS1028F0						
36	30	36	4.4	30	36	29.4	36	29.4	36	4.7	0.7 or below	5~6	●GS1029F0		
37	31	37		31	37	30.4	37	30.4	37				●GS1030F0		
37.5	31.5	37.5		31.5	37.5	30.9	37.5	30.9	37.5				●GS1031F0		
38	32	38		32	38	31.4	38	31.4	38				●GS1032F0		
40	34	40		34	40	33.4	40	33.4	40				●GS1033F0		
41	35	41		35	41	34.4	41	34.4	41				●GS1034F0		
41.5	35.5	41.5		35.5	41.5	34.9	41.5	34.9	41.5				●GS1035F0		
42	36	42		36	42	35.4	42	35.4	42				●GS1036F0		
44	38	44		38	44	37.4	44	37.4	44				●GS1037F0		
45	39	45		39	45	38.4	45	38.4	45				●GS1038F0		
46	40	46		40	46	39.4	46	39.4	46				●GS1039F0		

Remarks) When using the packing with ●, provide separate grooves.

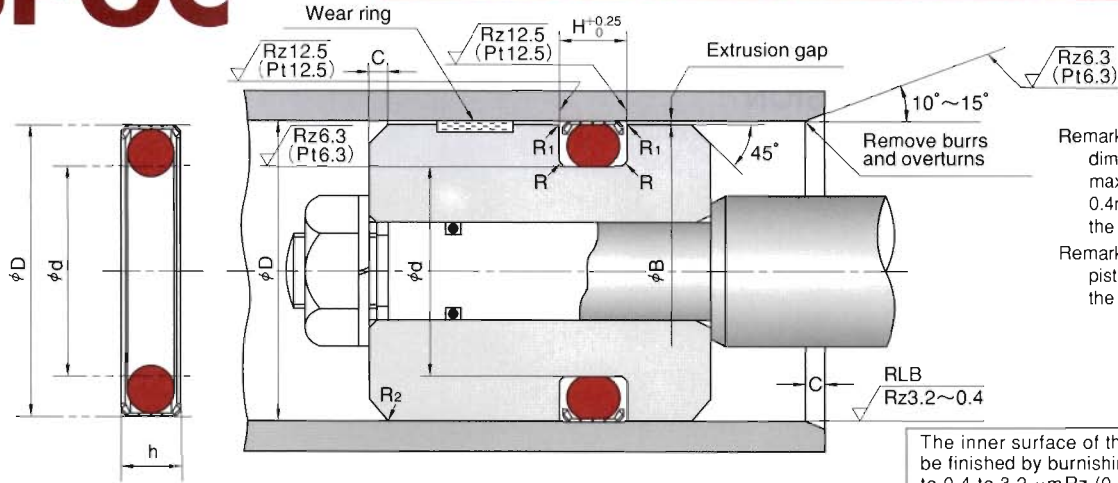
HOW TO DETERMINE B DIMENSION

To determine B dimension, please make the maximum extrusion gap 0.4mm or below considering the eccentricity of piston.

Nominal Number	Nominal Size of Packing			Housing dimensions								NOK Part Number
				For general hydraulic use				For pneumatic and hydraulic low-friction applications				
	d	D	h	ϕd	ϕD	ϕd	ϕD	H	R	C		
SPGC 47	41	47	4.4	41	47	40.4	47	4.7	0.7 or below	5~6	●GS1040F0	
48	42	48		42	48	41.4	48				●GS1041F0	
50	44	50		44	50	43.4	50				GS1042F0	
51	45	51		45	51	44.4	51				GS1043F0	
52	46	52		46	52	45.4	52				GS1044F0	
54	48	54		48	54	47.4	54				GS1046F0	
55	49	55		49	55	48.4	55				GS1047F0	
56	50	56		50	56	49.4	56				GS1049F0	
58	48	58		48	58	47.4	58				GS1045F0	
60	50	60		50	60	49.4	60				GS1048F0	
62	52	62	52	62	51.4	62	GS1050F0					
63	53	63	53	63	52.4	63	GS1051F0					
65	55	65	55	65	54.4	65	GS1052F0					
66	56	66	56	66	55.4	66	GS1053F0					
68	58	68	58	68	57.4	68	GS1054F0					
70	60	70	60	70	59.4	70	GS1055F0					
72	62	72	62	72	61.4	72	GS1056F0					
73	63	73	63	73	62.4	73	GS1057F0					
75	65	75	65	75	64.4	75	GS1058F0					
77	67	77	67	77	66.4	77	GS1059F0					
80	70	80	70	80	69.4	80	GS1060F0					
81	71	81	71	81	70.4	81	GS1061F0					
85	75	85	75	85	74.4	85	GS1062F0					
90	80	90	80	90	79.4	90	GS1063F0					
95	85	95	7	85	95	84.4	95	7.5	0.8 or below	6~8	GS1064F0	
100	90	100	90	100	89.4	100	GS1065F0					
105	95	105	95	105	94.4	105	GS1066F0					
110	100	110	100	110	99.4	110	GS1067F0					
112	102	112	102	112	101.4	112	GS1068F0					
115	105	115	105	115	104.4	115	GS1069F0					
120	110	120	110	120	109.4	120	GS1070F0					
122	112	122	112	122	111.4	122	GS1071F0					
125	115	125	115	125	114.4	125	GS1072F0					
130	120	130	120	130	119.4	130	GS1073F0					
135	125	135	125	135	124.4	135	GS1074F0					
140	130	140	130	140	129.4	140	GS1075F0					
142	132	142	132	142	131.4	142	GS1076F0					
145	135	145	135	145	134.4	145	GS1077F0					
150	140	150	140	150	139.4	150	GS1078F0					
155	145	155	145	155	144.4	155	GS1079F0					
160	150	160	150	160	149.4	160	GS1081F0					

Remarks) When using the packing with ●, provide separate grooves.

SPGC TYPE SPECIAL PACKINGS FOR PISTON SEALS



Remark 1) To determine ϕB dimension, please make the maximum extrusion gap 0.4mm or below considering the eccentricity of piston.

Remark 2) Outer diameter of the piston should be $\phi Df8$ when the piston is used as bearing.

$R_1=0.3$ or below
 $R_2=1$
 For R, please refer to the table below.

The inner surface of the cylinder tube should be finished by burnishing (RLB) or honing (GH) to 0.4 to 3.2 μmRz (0.1 to 0.8 μmRa). Especially under severe lubricating condition, burnishing is required.

● The roughness is JIS B 0601 : 2001.
 When regulation length cannot be kept, apply Pt.

Nominal Number	Nominal Size of Packing			Housing dimensions								NOK Part Number			
				For general hydraulic use				For pneumatic and hydraulic low-friction applications					H	R	C
				ϕd	ϕD	ϕd	ϕD	ϕd	ϕD	ϕd	ϕD				
SPGC 165	150	165		150	165	149.4	165							GS1080F0	
170	155	170		155	170	154.4	170							GS1082F0	
175	160	175		160	175	159.4	175							GS1083F0	
180	165	180		165	180	164.4	180							GS1084F0	
185	170	185		170	185	169.4	185							GS1085F0	
190	175	190		175	190	174.4	190							GS1086F0	
195	180	195		180	195	179.4	195							GS1087F0	
200	185	200		185	200	184.4	200							GS1088F0	
205	190	205		190	205	189.4	205							GS1089F0	
210	195	210		195	210	194.4	210							GS1090F0	
215	200	215		200	215	199.4	215							GS1091F0	
220	205	220		205	220	204.4	220							GS1092F0	
224	209	224		209	224	208.4	224							GS1093F0	
225	210	225		210	225	209.4	225							GS1094F0	
230	215	230		215	230	214.4	230							GS1095F0	
235	220	235		220	235	219.4	235							GS1096F0	
240	225	240		225	240	224.4	240							GS1097F0	
245	230	245		230	245	229.4	245							GS1098F0	
250	235	250		235	250	234.4	250							GS1099F0	
255	240	255		240	255	239.4	255							GS1100F0	
260	245	260	10.5	245	260	244.4	260			11.0	0.8 or below	8~12		GS1101F0	
265	250	265		250	265	249.4	265							GS1102F0	
270	255	270		255	270	254.4	270							GS1103F0	
275	260	275		260	275	259.4	275							GS1104F0	
280	265	280		265	280	264.4	280							GS1105F0	
285	270	285		270	285	269.4	285							GS1106F0	
290	275	290		275	290	274.4	290							GS1107F0	
295	280	295		280	295	279.4	295							GS1108F0	
300	285	300		285	300	284.4	300							GS1109F0	
305	290	305		290	305	289.4	305							GS1110F0	
310	295	310		295	310	294.4	310							GS1111F0	
315	300	315		300	315	299.4	315							GS1112F0	
330	315	330		315	330	314.4	330							GS1113F0	
335	320	335		320	335	319.4	335							GS1114F0	
350	335	350		335	350	334.4	350							GS1115F0	
355	340	355		340	355	339.4	355							GS1116F0	
370	355	370		355	370	354.4	370							GS1117F0	
375	360	375		360	375	359.4	375							GS1118F0	
390	375	390		375	390	374.4	390							GS1119F0	
400	385	400		385	400	384.4	400							GS1120F0	

F DIMENSION SPGC

CPI TYPE

SPECIAL PACKINGS
FOR PISTON SEALS
IRON RUBBER (AU)



● Please designate NOK Part number and type & size on your order.

(Example) • Type Dimensions

CPI 25 10 2.5 10

└── Type Sign

└── Nominal Size of Packing
described in order of
outer diameter(D), height(h), thickness(t), and inner diameter(d)

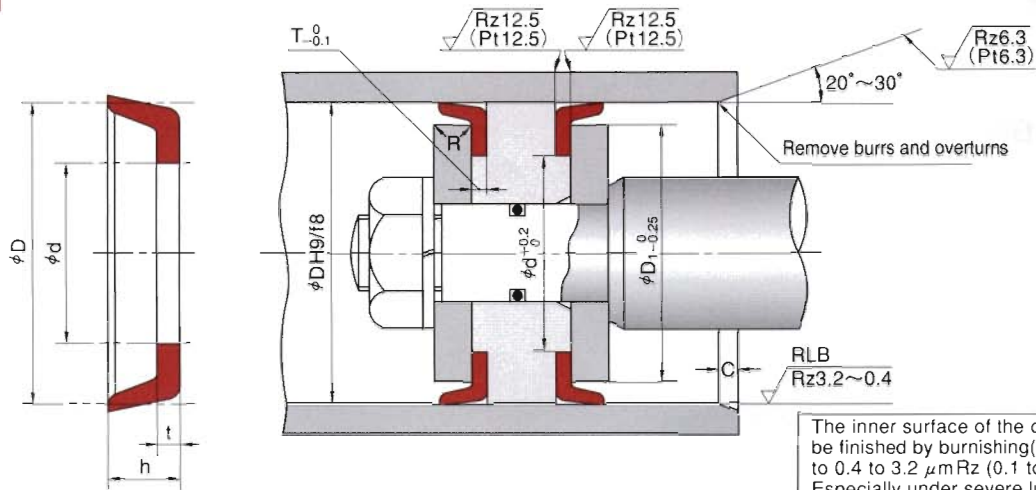
• Part Number

FC0013C0

● Please check the application range on pages 14 and 15 before selecting the type.

Material	NOK U801
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CPI TYPE SPECIAL PACKINGS FOR PISTON SEALS



●The roughness is JIS B 0601 : 2001.
When regulation length cannot be kept, apply Pt.

Nominal Size of Packing, and Housing dimensions

D	h	t	d	ϕD ₁	T	R	C	NOK Part Number
25	10	2.5	10	17	2.4	1.5	3	FC0013C0
28	10	2.5	10	20				FC0015C0
30	10	2.5	12	22				FC0020C0
31.5	10	2.5	14	23.5				FC0022C0
35	10	2.5	16	27				FC0026C0
35.5	10	2.5	16	27.5				FC0398C0
40	10	2.5	20	32				FC0035C0
45	12	3	20	36				FC0046C0
50	12	3	22	41				FC0055C0
53	12	3	25	44				FC0064C0
55	12	3	25	46	FC0068C0			
56	12	3	25	47	FC0070C0			
60	12	3	30	51	2.9	2	3.5	FC0077C0
63	12	3	35	54				FC0090C0
65	12	3	35	56				FC0095C0
67	12	3	38	58				FC0102C1
70	12	3	38	61				FC0106C0
71	12	3	40	62				FC0114C0
75	12	3	40	66				FC0117C0
80	16	4	40	69				FC0134C0
85	16	4	45	74				FC0142C0
90	16	4	50	79				FC0157C0
95	16	4	55	84	FC0164C0			
100	16	4	55	89	3.8	3	4	FC0174C0
105	16	4	60	94				FC0187C0
106	16	4	60	95				FC0189C0
110	16	4	60	99				FC0195C0
112	16	4	65	101				FC0199C0
118	16	4	70	107				FC0205C0
120	16	4	70	109				FC0207C0
125	20	5	75	111				FC0222C0
130	20	5	80	116				FC0230C0
132	20	5	85	118				FC0233C1
140	20	5	90	126	4.8	4	5.5	FC0245C1
150	20	5	100	136				FC0255C1
160	20	5	110	146				FC0275C0
170	20	5	120	156				FC0279C0
180	20	5	130	166				FC0282C1
190	20	5	140	176				FC0289C0
200	20	5	150	186				FC0293C0
224	20	5	180	210				FC0314C0
250	20	5	200	236				FC0321C0
280	20	5	230	266				6.5
300	20	5	250	286	FC0344C1			

CPH TYPE

SPECIAL PACKINGS
FOR PISTON SEALS
NITRILE RUBBER (NBR)



● Please designate NOK Part number and type & size on your order.

(Example) · Type Dimensions

CPH 30 8 2.5 13

Type Sign

Nominal Size of Packing
described in order of
outer diameter(D), height(h), thickness(t), and inner diameter(d)

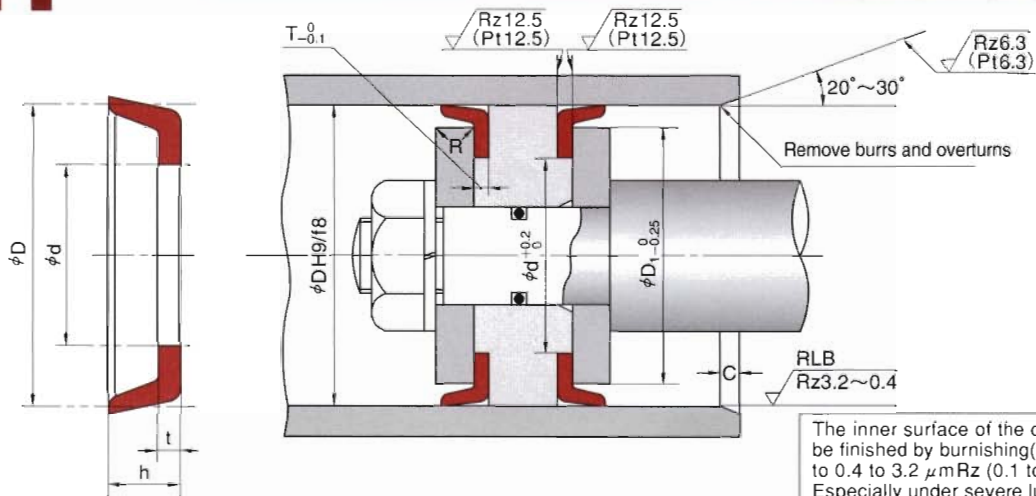
· Part Number

CC0019C3

● Please check the application range on pages 14 and 15 before selecting the type.

Material	NOK A102 NOK A103 NOK A104 NOK A505
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CPH TYPE SPECIAL PACKINGS FOR PISTON SEALS



The inner surface of the cylinder tube should be finished by burnishing (RLB) or honing (GH) to 0.4 to 3.2 μmRz (0.1 to 0.8 μmRa). Especially under severe lubricating condition, burnishing is required.

●The roughness is JIS B 0601 : 2001.
When regulation length cannot be kept, apply Pt.

Nominal Size of Packing, and Housing dimensions

D	h	t	d	ϕD_1	T	R	C	NOK Part Number	NOK ゴム材料記号	
30	8	2.5	13	23	2.5	1.5	7	CC0019C3	A104	
	10	2.5	12	23.5				CC0020C0	A103	
	10	2.5	15	23				CC0020C1	A102	
35	10	2.5	18	28.5	3	2	CC0026C0	A102		
40	8	2.5	16	33			CC0034C1	A104		
	10	2.5	20	33.5	CC0035C0	A102				
42	12	3	23	34	3	2	CC0040C0	A505		
45	10	2.5	25	38.5			CC0044C0	A102		
50	12	3	25	41.5			CC0055C1	A104		
55	10	3	40	48	3	2	CC0067C0	A103		
	60	8	2.5	40.5			54	2.5	CC0074C0	A103
60	12	3	30	51	3	2	CC0077C0	A505		
	65	13	3.5	34.5			56	3.5	CC0096C0	A104
70	12	3	38	62	3	2	CC0106C2	A505		
75	12	3	38	66			3	CC0117C1	A104	
80	15	4	40	70	4	2	CC0132C0	A505		
	16	4	40	69			4	CC0134C0	A102	
90	15	4.3	38	80	4.3	3	8	CC0156C0	A505	
	16	4	45	79.5				4	CC0157C0	A102
	17	5	50	77				5	CC0159C0	A104
100	15	4.3	38	88	4.3	3	8	CC0171C0	A104	
	16	4	50	89				4	CC0174C5	A104
	16	4	55	89					CC0174C4	A505
120	16	4	60	109	4	3	8	CC0207C0	A102	
	16	4	70	109				CC0207C1	A104	
125	16	5	75	115	5	4	11	CC0219C0	A104	
130	20	5	80	116				CC0230C1	A104	
150	20	5	75	136				5	4	11
	20	5	100	138	CC0255C2	A505				
180	20	5	90	166.5	5	4	11	CC0282C0	A102	
	25	5	80	166				CC0285C0	A104	
200	20	5	150	187	4	14	11	CC0293C5	A505	
205	23	4	134	190				4	CC0303C1	A103
257	22	5.5	192	245	5.5	4	14	CC0328C1	A103	