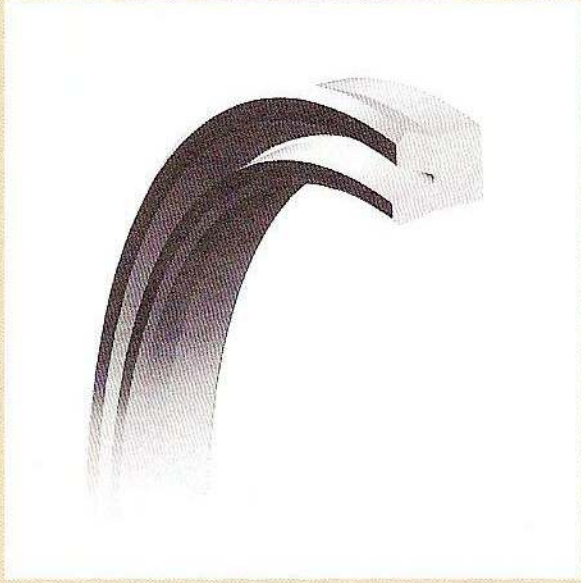


OSI TYPE

SPECIAL PACKINGS FOR PISTON SEALS NOXLAN (AU)



F

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

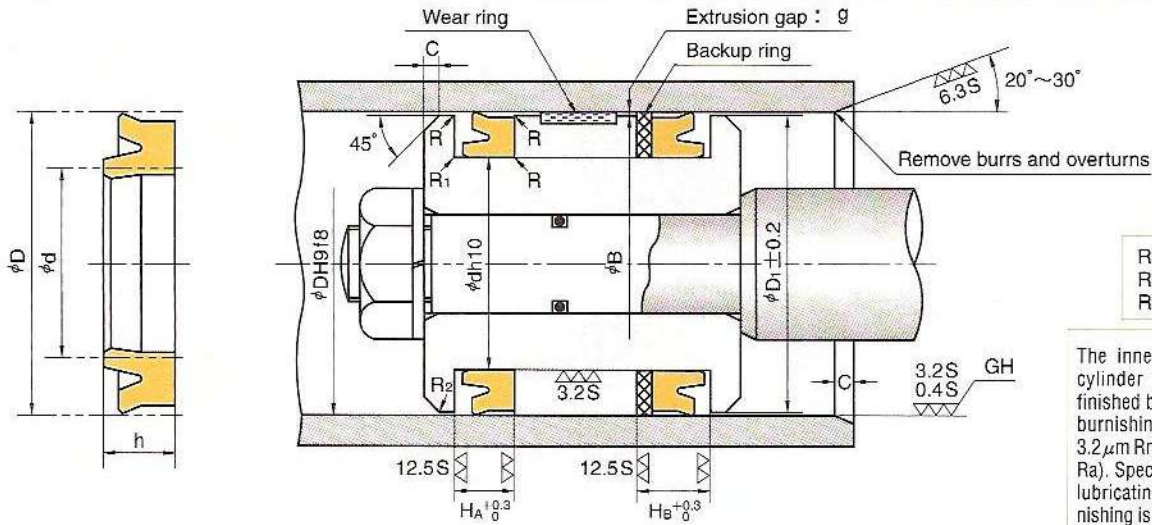
(Example) • Type Dimensions OSI 35 27 5

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

• Part Number FU0420L0

● Please check the application range on pages D-2 and 3 before selecting the type.

Material	NOK U801
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$R = 0.3$ or below
 $R_1 = 0.5$ or below
 $R_2 = 1$ or below

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

Nominal Size of Packing			Housing dimensions						NOK Part Number
D	d	h	φD	φd	φD ₁	H _A	H _B	C	
35	27	5	35	27	34	5.7	8.7	2	FU0420L0
35.5	27.5	5	35.5	27.5	34.5				FU0450L0
	28	5	35.5	28	34.5	FU2141L0			
40	30	6	40	30	39	7	10	2.5	FU0490L0
41.5	31.5	6	41.5	31.5	40.5				FU2142L0
45	35	6	45	35	44				FU0563L0
	35.5	6	45	35.5	44				FU2143L0
50	40	6	50	40	49	8	11	2.5	FU0613L0
55	45	6	55	45	54				FU0692L0
56	45	7	56	45	55	7	10	2.5	FU2144L0
	46	6	56	46	55				FU0720L0
60	50	6	60	50	59	7	10	2.5	FU0742L0
63	53	6	63	53	62				FU0784L0
65	55	6	65	55	64				FU0807L0
66	56	6	66	56	65				FU0825L0
70	60	6	70	60	69	8	11	2.5	FU0846L0
71	60	7	71	60	70				FU2145L0
		61	6	71	61	70	7	10	2.5
73	63	6	73	63	72	FU0889L0			
75	65	6	75	65	74	FU0897L0			
77	67	6	77	67	76	FU0922L0			
80	70	6	80	70	79	10	13	4	FU0936L0
	71	6	80	71	79				FU2146L0
85	75	6	85	75	84	9.5	12.5	4	FU0979L0
90	80	6	90	80	89				FU1019L0
100	85	9	100	85	98	10	13	4	FU1078L0
105	90	9	105	90	103				FU1120L0
110	95	9	110	95	108	9.5	12.5	4	FU1152L0
112	98	8.5	112	98	110				FU2147L0
115	100	9	115	100	113	10	13	4	FU1193L0
120	105	9	120	105	118				FU1212L0
		106	8.5	120	106	118	9.5	12.5	FU2148L0
125	112	9	125	112	123	10	13	4	FU1926L0
130	115	9	130	115	128				FU1278L0
140	125	9	140	125	138				FU1320L0
150	135	9	150	135	148				FU1356L0
	136	8.5	150	136	148	9.5	12.5	FU2149L0	

F

HOW TO DETERMINE B DIMENSION

■ When using backup ring

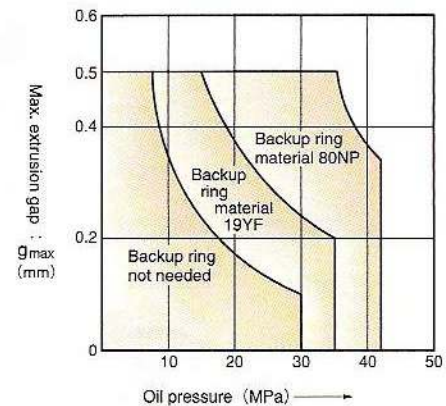
Please determine B dimension according to the table below. If you require smaller B dimension because of the cylinder configuration, please consult NOK.

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 ϕB dimension, please refer to the graph in the right for the maximum extrusion gap (also refer page 26) considering the eccentricity of operating condition.



Nominal Size of			Housing dimensions					NOK Part Number		
D	d	h	ϕD	ϕd	ϕD_1	H _A	H _B	C	Part Number	
155	140	9	155	140	153	10	13	4	FU1386L0	
160	145	9	160	145	158				FU1404L0	
170	155	9	170	155	168		14		FU1441L0	
175	160	9	175	160	173				FU1458L0	
180	165	9	180	165	178				FU1481L0	
190	175	9	190	175	188				FU1511L0	
200	180	12	200	180	198				FU1539L0	
210	190	12	210	190	208	FU1572L0				
220	200	12	220	200	218	13	17	FU1594L0		
224	204	12	224	204	222			FU1606L0		
225	205	12	225	205	223			FU1618L0		
230	210	12	230	210	228			FU1635L0		
240	220	12	240	220	238			FU1655L0		
250	230	12	250	230	248			FU1675L0		
260	240	12	260	240	258			FU1700L0		
270	250	12	270	250	268			FU1717L0		
280	255	16	280	255	278			17	21	FU1730L0
290	265	16	290	265	288					FU1745L0
300	275	16	300	275	298	FU1760L0				