

UPH_{TYPE}

PACKINGS FOR BOTH PISTON AND ROD SEALS
NITRILE RUBBER (NBR)
FLUORORUBBER (FKM)



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

(Example) • Type Dimensions UPH 6.3 16.3 7.5

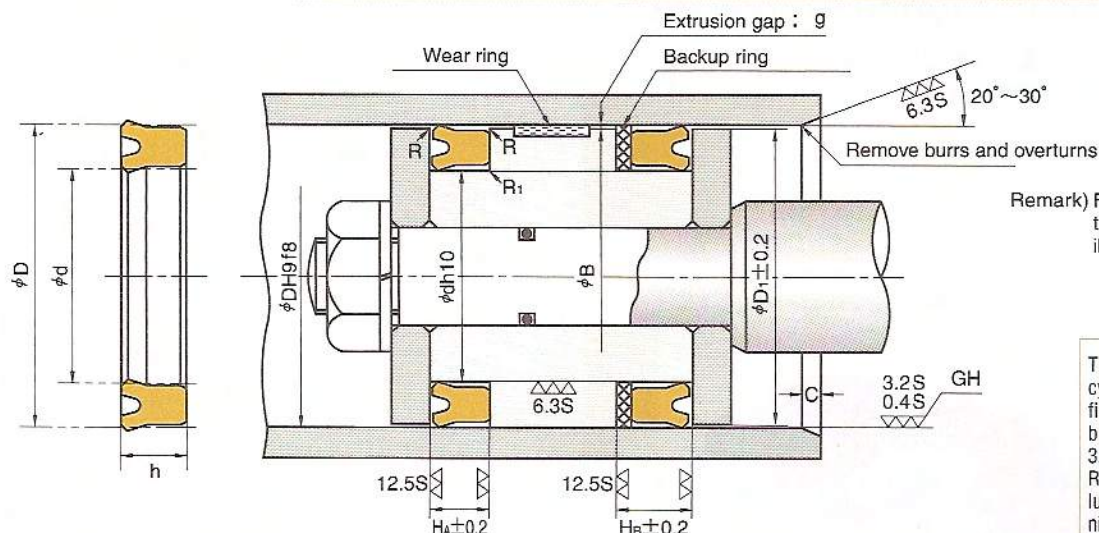
└─ Type Sign

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

• Part Number CU3308D0

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

Material	Standard : NOK A505 Heat resistant type : NOK F357
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Nominal Size of Packing			Housing dimensions						Standard (A505)		Heat resistant (F357)	
d	D	h	φd	φD	φD ₁	H _A	H _B	C	NOK Part Number	Nominal number	NOK Part Number	Nominal number
6.3	16.3	7.5	6.3	16.3	15.3	8.5	10.5	2.5	CU3308D0	UPH-6.3		
	16.3	8	6.3	16.3	15.3	9	11		CU0024D0	UPH-6.3A		
7.1	17.1	7.5	7.1	17.1	16.1	8.5	10.5		CU3309D0	UPH-7.1		
	17.1	8	7.1	17.1	16.1	9	11		CU0030D0	UPH-7.1A		
8	18	7.5	8	18	17	8.5	10.5		CU0042D0	UPH-8		
	18	8	8	18	17	9	11		CU0043D1	UPH-8A	CU0043D2	UPH-8AF
9	19	7.5	9	19	18	8.5	10.5		CU3310D0	UPH-9		
	19	8	9	19	18	9	11		CU0054D0	UPH-9A		
10	20	7.5	10	20	19	8.5	10.5		CU0068D0	UPH-10		
	20	8	10	20	19	9	11		CU0069D1	UPH-10A		
11.2	21.2	7.5	11.2	21.2	20.2	8.5	10.5		CU3311D0	UPH-11.2		
	21.2	8	11.2	21.2	20.2	9	11		CU0081D0	UPH-11.2A		
12	25	8	12	25	24	9	11		CU0093D0	UPH-12	CU0093D3	UPH-12F
12.5	22.5	7.5	12.5	22.5	21.5	8.5	10.5		CU3312D0	UPH-12.5		
	22.5	8	12.5	22.5	21.5	9	11		CU0102D0	UPH-12.5A		
14	24	7.5	14	24	23	8.5	10.5		CU0121D0	UPH-14		
	24	8	14	24	23	9	11		CU0122D0	UPH-14A	CU0122D3	UPH-14AF
15	25	8	15	25	24	9	11		CU0135D0	UPH-15A		
	28	10	15	28	27	11	13		CU0137D0	UPH-15		
16	26	7.5	16	26	25	8.5	10.5		CU0156D0	UPH-16	CU0156D2	UPH-16F
	26	8	16	26	25	9	11		CU0157D1	UPH-16A		
	32	10	16	32	31	11	13		CU0161D0	UPH-16B		
18	28	8	18	28	27	9	11		CU0182D0	UPH-18A	CU0182D4	UPH-18AF
	31	10	18	31	30	11	13		CU0186D0	UPH-18		
	33	10	18	33	32	11	13		CU2196D0	UPH-18B		
18.5	31.5	10	18.5	31.5	30.5	11	13		CU3313D0	UPH-18.5		
20	30	8	20	30	29	9	11	3.5	CU0215D1	UPH-20A	CU0215D2	UPH-20AF
	33	10	20	33	32	11	13		CU0221D0	UPH-20		
	35	10	20	35	34	11	13		CU0224D0	UPH-20B		
21.5	31.5	8	21.5	31.5	30.5	9	11		CU0239D0	UPH-21.5		
22	35	10	22	35	34	11	13		CU0249D0	UPH-22		
22.4	32.4	8	22.4	32.4	31.4	9	11		CU0263D0	UPH-22.4A	CU0263D3	UPH-22.4AF
	35.4	10	22.4	35.4	34.4	11	13		CU0265D1	UPH-22.4		
25	35	8	25	35	34	9	11		CU0282D2	UPH-25A	CU0282D3	UPH-25AF
	38	10	25	38	37	11	13		CU0288D0	UPH-25		
	40	10	25	40	39	11	13		CU0292D0	UPH-25B	CU0292D4	UPH-25BF
	45	12	25	45	44	13	15		CU0301D0	UPH-25C		
	25.5	35.5	8	25.5	35.5	34.5	9		12	CU0309D0	UPH-25.5	
27	40	10	27	40	39	11	14		CU2347D0	UPH-27		
28	40	10	28	40	39	11	14		CU0330D2	UPH-28A	CU0330D6	UPH-28AF
	41	10	28	41	40	11	14		CU0335D0	UPH-28		
	43	10	28	43	42	11	14		CU0340D0	UPH-28B		

Remark) The Part number and the one stamped on the product might be different in case of heat resistant type.

HOW TO DETERMINE B DIMENSION

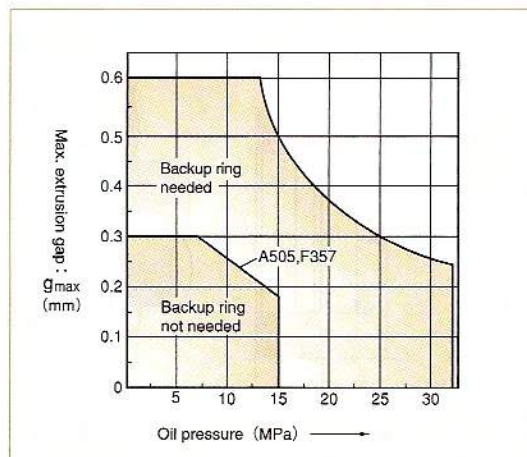
■ When using backup ring

Please determine B dimension according to the table below. If you require smaller B dimension (in case of piston seals) or larger B dimension (in case of rod seals) because of the cylinder configuration, please consult NOK.

Maximum Service Pressure	15MPa	32MPa
Material of Backup ring	19YF	
For rod	$B \leq \phi d + 1.0$	$B \leq \phi d + 0.5$
For piston	$B \leq \phi D - 1.0$	$B \leq \phi D - 0.5$

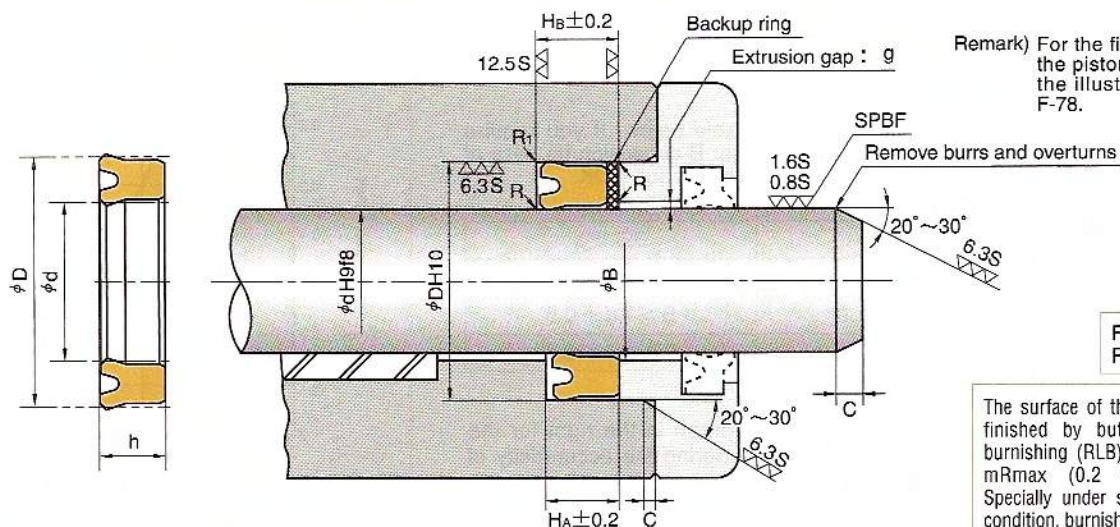
■ When not using backup ring

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 Packing			Housing dimensions					C	Standard (A505)		Heat resistant (F357)	
d	D	h	ϕd	ϕD	ϕD_1	H _A	H _B		NOK Part Number	Nominal number	NOK Part Number	Nominal number
30	43	10	30	43	42	11	14	3.5	CU0364D0	UPH-30	CU0364D2	UPH-30F
	45	10	30	45	44	11	14		CU0368D2	UPH-30A	CU0368D8	UPH-30AF
31.5	44.5	10	31.5	44.5	43.5	11	14		CU0385D0	UPH-31.5		
	46.5	10	31.5	46.5	45.5	11	14		CU0387D1	UPH-31.5A		
32	45	10	32	45	44	11	14		CU2451D0	UPH-32		
	46	10	32	46	45	11	14		CU0403D0	UPH-32A		
	48	10	32	48	47	11	14		CU0404D0	UPH-32B		
34	50	12	34	50	49	13	16		CU0408D0	UPH-34		
35	50	10	35	50	49	11	14		CU0437D4	UPH-35B	CU0437D5	UPH-35BF
	50	12	35	50	49	13	16		CU0438D0	UPH-35		
	51	12	35	51	50	13	16		CU0441D0	UPH-35A		
35.5	50.5	10	35.5	50.5	49.5	11	14	4	CU0456D2	UPH-35.5A	CU0456D6	UPH-35.5AF
	51.5	12	35.5	51.5	50.5	13	16		CU0458D0	UPH-35.5	CU0458D2	UPH-35.5F
38	52	10	38	52	51	11	14		CU0470D1	UPH-38		
40	55	10	40	55	54	11	14		CU0505D3	UPH-40A	CU0505D2	UPH-40AF
	56	10	40	56	55	11	14		CU0508D0	UPH-40B		
	56	12	40	56	55	13	16		CU0509D0	UPH-40		
	60	12	40	60	59	13	16		CU0514D0	UPH-40C		
41	56	10	41	56	55	11	14		CU0523D0	UPH-41		
45	60	10	45	60	59	11	14		CU0577D5	UPH-45A	CU0577D9	UPH-45AF
	60	12	45	60	59	13	16		CU0578D0	UPH-45B		
	61	12	45	61	60	13	16		CU0580D0	UPH-45	CU0580D3	UPH-45F
47	63	12	47	63	62	13	16		CU0591D0	UPH-47		
50	65	10	50	65	64	11	14		CU0601D1	UPH-48	CU0601D4	UPH-48F
	66	12	50	66	65	13	16		CU0631D2	UPH-50A	CU0631D7	UPH-50AF
	70	12	50	70	69	13	16		CU0635D0	UPH-50	CU0635D3	UPH-50F
51	71	12	51	71	70	13	16	5	CU0639D3	UPH-50B	CU0639D4	UPH-50BF
53	71	12	51	71	70	13	16		CU0669D0	UPH-51		
	69	12	53	69	68	13	16		CU3317D0	UPH-53		
55	73	12	53	73	72	13	16		CU0683D0	UPH-53A		
	71	12	55	71	70	13	16		CU0704D1	UPH-55		
	75	12	55	75	74	13	16		CU0708D2	UPH-55A	CU0708D6	UPH-55AF
56	80	15	55	80	79	16	19		CU0712D0	UPH-55B		
	72	12	56	72	71	13	16		CU0727D0	UPH-56	CU0727D2	UPH-56F
	76	12	56	76	75	13	16		CU0728D1	UPH-56A	CU0728D4	UPH-56AF
60	76	12	60	76	75	13	16		CU0757D1	UPH-60		
	80	12	60	80	79	13	16		CU0761D1	UPH-60A	CU0761D6	UPH-60AF
63	79	12	63	79	78	13	16	5	CU0791D0	UPH-63		
	83	12	63	83	82	13	16		CU0793D1	UPH-63A	CU0793D3	UPH-63AF
64	80	12	64	80	79	13	16		CU2123D1	UPH-64	CU2123D2	UPH-64F
65	81	12	65	81	80	13	16		CU3318D0	UPH-65		
	85	12	65	85	84	13	16		CU0819D1	UPH-65A	CU0819D2	UPH-65AF

Remark) The Part number and the one stamped on the product might be different in case of heat resistant type.



Nominal Size of Packing			Housing dimensions					Standard (A505)		Heat resistant (F357)		
d	D	h	φd	φD	φD _i	H _A	H _B	C	NOK Part Number	Nominal number	NOK Part Number	Nominal number
67	87	12	67	87	86	13	16	5	CU0831D0	UPH-67A	CU0831D3	UPH-67AF
	87	15	67	87	86	16	19		CU3319D0	UPH-67		
70	90	12	70	90	89	13	16		CU0862D1	UPH-70A	CU0862D4	UPH-40AF
	90	15	70	90	89	16	19		CU0864D0	UPH-70	CU0864D2	UPH-70F
71	91	12	71	91	90	13	16		CU0884D1	UPH-71A	CU0884D3	UPH-71AF
	91	15	71	91	90	16	19		CU0885D0	UPH-71		
75	95	12	75	95	94	13	16		CU0910D1	UPH-75A		
	95	15	75	95	94	16	19		CU0911D1	UPH-75	CU0911D2	UPH-75F
80	100	12	80	100	99	13	16		CU0948D1	UPH-80A	CU0948D9	UPH-80AF
	100	15	80	100	99	16	19		CU0949D2	UPH-80	CU0949D3	UPH-80F
85	105	12	85	105	104	13	16		CU0989D1	UPH-85A	CU0989D3	UPH-85AF
	105	15	85	105	104	16	19		CU0990D0	UPH-85		
90	110	12	90	110	109	13	16		CU1030D3	UPH-90A	CU1030D7	UPH-90AF
	110	15	90	110	109	16	19		CU1031D0	UPH-90	CU1031D3	UPH-90F
92	112	12	92	112	111	13	16		CU1042D1	UPH-92A		
	112	15	92	112	111	16	19		CU2132D1	UPH-92	CU2132D2	UPH-92F
95	115	12	95	115	114	13	16		CU1056D0	UPH-95A	CU1056D4	UPH-95AF
	115	15	95	115	114	16	19		CU1057D1	UPH-95	CU1057D3	UPH-95F
	120	15	95	120	118	16	19		CU1061D0	UPH-95B		
100	120	12	100	120	118	13	16		CU1089D3	UPH-100A	CU1089D7	UPH-100AF
	120	15	100	120	118	16	19		CU1091D0	UPH-100	CU1091D3	UPH-100F
	125	15	100	125	123	16	19		CU1096D0	UPH-100B	CU1096D3	UPH-100BF
105	125	15	105	125	123	16	19		CU1129D2	UPH-105	CU1129D4	UPH-105F
106	126	15	106	126	124	16	19		CU1138D0	UPH-106		
110	130	15	110	130	128	16	19		CU1165D1	UPH-110	CU1165D4	UPH-110F
112	132	15	112	132	130	16	19		CU1182D0	UPH-112	CU1182D3	UPH-112F
115	135	15	115	135	133	16	19	CU1198D0	UPH-115			
118	138	15	118	138	136	16	19	CU1207D0	UPH-118	CU1207D2	UPH-118F	
120	140	15	120	140	138	16	19	CU1224D2	UPH-120	CU1224D1	UPH-120F	
125	145	15	125	145	143	16	19	CU1257D0	UPH-125A			
	150	19	125	150	148	20	23	CU1933D0	UPH-125	CU1933D2	UPH-125F	
130	150	15	130	150	148	16	19	CU1284D2	UPH-130A	CU1284D4	UPH-130F	
	155	19	130	155	153	20	23	CU3320D0	UPH-130			
132	152	15	132	152	150	16	19	CU1292D0	UPH-132A			
	157	19	132	157	155	20	23	CU2703D1	UPH-132	CU2703D2	UPH-132F	
135	155	15	135	155	153	16	19	CU1305D0	UPH-135B			
	160	15.7	135	160	158	17	20	CU3322D0	UPH-135A			
	160	19	135	160	158	20	23	CU1960D0	UPH-135			
140	160	15	140	160	158	16	19	CU1327D1	UPH-140A	CU1327D4	UPH-140F	
	165	19	140	165	163	20	23	CU1332D2	UPH-140			
145	165	15	145	165	163	16	19	CU1344D0	UPH-145A			
	170	19	145	170	168	20	23	CU2348D0	UPH-145	CU2348D1	UPH-145F	

Remark) The Part number and the one stamped on the product might be different in case of heat resistant type.

HOW TO DETERMINE B DIMENSION

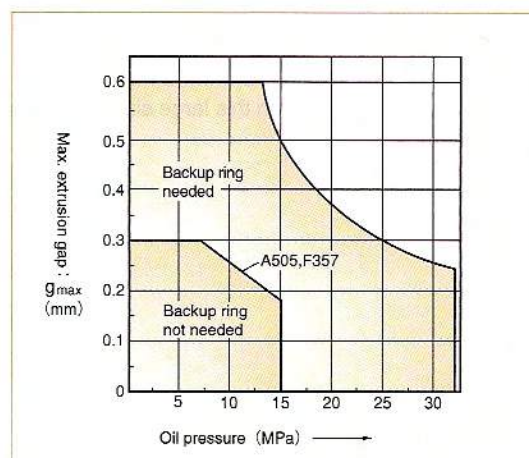
■ When using backup ring

Please determine B dimension according to the table below. If you require smaller B dimension (in case of piston seals) or larger B dimension (in case of rod seals) because of the cylinder configuration, please consult NOK.

Maximum Service Pressure	15MPa	32MPa
Material of Backup ring	19YF	
For rod	$B \leq \phi d + 1.0$	$B \leq \phi d + 0.5$
For piston	$B \geq \phi D - 1.0$	$B \geq \phi D - 0.5$

■ 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 Packing			Housing dimensions					C	Standard (A505)		Heat resistant (F357)	
d	D	h	ϕd	ϕD	ϕD_1	H _A	H _B		NOK Part Number	Nominal number	NOK Part Number	Nominal number
150	170	15	150	170	168	16	19	6.5	CU1363D2	UPH-150A	CU1363D3	UPH-150AF
	175	19	150	175	173	20	23		CU1367D0	UPH-150		
155	180	15	155	180	178	16	20		CU1391D2	UPH-155B	CU1391D4	UPH-155BF
	180	15.7	155	180	178	17	21		CU3323D0	UPH-155A		
160	180	19	155	180	178	20	24		CU1393D0	UPH-155		
	185	15	160	185	183	16	20		CU1413D0	UPH-160A		
165	185	19	160	185	183	20	24		CU2349D0	UPH-160		
	190	15	165	190	188	16	20		CU1431D0	UPH-165A		
170	190	19	165	190	188	20	24		CU3324D0	UPH-165		
	195	15	170	195	193	16	20		CU1448D1	UPH-170A		
175	195	19	170	195	193	20	24		CU3325D0	UPH-170		
	200	15	175	200	198	16	20		CU1461D2	UPH-175B	CU1461D3	UPH-175ABF
180	200	15.7	175	200	198	17	21		CU3326D0	UPH-175A		
	200	19	175	200	198	20	24		CU1463D1	UPH-175		
185	205	15	180	205	203	16	20		CU1490D0	UPH-180A		
	205	19	180	205	203	20	24		CU1492D0	UPH-180		
190	210	15	185	210	208	16	20		CU1504D0	UPH-185		
	215	15	190	215	213	16	20		CU1519D0	UPH-190A	CU1519D2	UPH-190AF
199	215	19	190	215	213	20	24		CU3327D0	UPH-190		
	224	15	199	224	222	16	20		CU1532D0	UPH-199B		
200	224	15.7	199	224	222	17	21		CU3329D0	UPH-199A		
	224	19	199	224	222	20	24		CU1535D0	UPH-199		
210	225	15	200	225	223	16	20		CU1547D0	UPH-200A	CU1547D4	UPH-200AF
	225	19	200	225	223	20	24		CU2350D0	UPH-200		
212	235	18	210	235	233	19	23		CU1579D0	UPH-210		
	237	19	212	237	235	20	24		CU1585D0	UPH-212		
224	249	19	224	249	247	20	24		CU2926D0	UPH-224		
	250	18	225	250	248	19	23		CU1625D0	UPH-225A		
236	250	19	225	250	248	20	24		CU1626D0	UPH-225		
	261	19	236	261	259	20	24		CU1649D1	UPH-236		
250	275	19	250	275	273	20	24		CU1683D1	UPH-250	CU1694D3	UPH-255F
	255	19	255	280	278	20	24		CU1694D0	UPH-255		
265	297	24	265	297	295	26	30	8	CU1714D0	UPH-265		
	270	18	270	300	298	19	23		CU1722D0	UPH-270A		
280	300	24	270	300	298	26	30		CU1725D0	UPH-270		
	310	22	280	310	308	24	28		CU2774D0	UPH-280A		
283	312	24	280	312	310	26	30		CU2166D0	UPH-280		
	315	24	283	315	313	26	30		CU1918D0	UPH-283		
290	320	18	290	320	318	19	23		CU1750D0	UPH-290A		
	320	22	290	320	318	24	28		CU1752D0	UPH-290		
300	332	24	300	332	330	26	30		CU2351D0	UPH-300		

Remark) The Part number and the one stamped on the product might be different in case of heat resistant type.

TYPE

PACKINGS FOR BOTH PISTON AND ROD SEALS

Large size dimension table

■ When using packings on this large size dimension table, please consult NOK.

Nominal Size of Packing			Housing dimensions					C	Standard (A505)		Heat resistant (F357)	
d	D	h	φd	φD	φD ₁	H _A	H _B		NOK Part Number	Nominal number	NOK Part Number	Nominal number
310	340	18	310	340	338	19	23	10	CU1772D0	UPH-310A		
	340	22	310	340	338	24	28		CU1773D0	UPH-310		
315	347	24	315	347	345	26	30		CU3064D0	UPH-315		
320	340	12	320	340	338	13	17		CU2101D0	UPH-320A		
	350	22	320	350	348	24	28		CU1780D0	UPH-320		
323	355	24	323	355	353	26	30		CU1784D0	UPH-323		
330	355	16	330	355	353	17	21		CU1786D0	UPH-330A		
	356	20	330	356	354	22	26		CU1787D0	UPH-330B		
	360	22	330	360	358	24	28		CU1789D0	UPH-330		
335	355	14	335	355	353	15	19		CU1793D1	UPH-335A		
	367	24	335	367	365	26	30		CU2197D0	UPH-335		
340	370	22	340	370	368	24	28		CU1795D0	UPH-340		
345	365	14	345	365	363	15	19		CU2243D0	UPH-345		
350	370	14	350	370	368	15	19		CU2302D0	UPH-350A		
	380	22	350	380	378	24	28		CU1799D2	UPH-350		
355	385	22	355	385	383	24	28		CU1801D0	UPH-355A		
	387	24	355	387	385	26	30		CU1916D0	UPH-355		
360	390	22	360	390	388	24	28		CU1803D0	UPH-360		
365	395	22	365	395	393	24	28		CU1805D0	UPH-365		
368	400	24	368	400	398	26	30		CU1807D0	UPH-368		
370	400	23	370	400	398	25	29		CU1810D0	UPH-370A		
	400	25	370	400	398	27	31		CU1811D0	UPH-370		
371	396	16	371	396	394	17	21		CU2303D0	UPH-371		
375	407	24	375	407	405	26	30		CU3357D0	UPH-375		
380	400	15	380	400	398	16	20		CU1813D0	UPH-380A		
	410	15	380	410	408	16	20		CU1815D0	UPH-380B		
	420	30	380	420	418	32	36		CU2162D0	UPH-380		
390	420	22	390	420	418	24	28		CU1818D0	UPH-390		
395	425	22	395	425	423	24	28		CU1819D0	UPH-395		
400	430	22	400	430	428	24	28		CU1823D0	UPH-400A		
	430	25	400	430	428	27	31		CU2007D0	UPH-400B		
	432	24	400	432	430	26	30		CU3358D0	UPH-400		

Nominal Size of Packing			Housing dimensions					C	Standard (A505)		Heat resistant (F357)	
d	D	h	φd	φD	φD ₁	H _A	H _B		NOK Part Number	Nominal number	NOK Part Number	Nominal number
420	455	25	420	455	453	27	32	10	CU1833D0	UPH-420		
425	457	24	425	457	455	26	31		CU1917D0	UPH-425		
430	470	20	430	470	468	22	27		CU1837D0	UPH-430		
435	470	25	435	470	468	27	32		CU1841D0	UPH-435		
440	480	35	440	480	478	37	42		CU1843D0	UPH-440		
445	470	18	445	470	468	19	24		CU2244D0	UPH-445		
450	480	22	450	480	478	24	29		CU1844D0	UPH-450A		
	482	24	450	482	480	26	31		CU3359D0	UPH-450		
460	500	20	460	500	498	22	27		CU1850D0	UPH-460		
475	507	24	475	507	505	26	31		CU1853D0	UPH-475		
480	505	18	480	505	503	19	24		CU2245D0	UPH-480A		
490	530	25	490	530	528	27	32		CU1855D0	UPH-490		
520	550	17	520	550	548	18	23		CU2189D0	UPH-520A		
525	555	15	525	555	553	16	21		CU1860D0	UPH-525		
530	570	20	530	570	568	22	27		CU2084D0	UPH-530A		
540	560	14	540	560	558	15	20		CU2037D0	UPH-540		
570	600	17	570	600	598	18	23		CU2190D0	UPH-570A		
600	630	20	600	630	628	22	27		CU2160D0	UPH-600A		
	630	28	600	630	628	30	35		CU2036D0	UPH-600B		
	640	30	600	640	638	32	37		CU1868D0	UPH-600		
640	685	25	640	685	683	27	32	12	CU2284D0	UPH-640		
700	730	15	700	730	728	16	21		CU1873D0	UPH-700A		
760	800	34	760	800	798	36	41		CU1877D0	UPH-760		
768	800	30	768	800	798	32	37		CU1878D0	UPH-768		
818	850	24	818	850	848	26	31		CU1882D1	UPH-818		
825	850	15.5	825	850	848	16.5	21.5		CU1883D0	UPH-825A		
	860	27	825	860	858	29	34		CU2124D0	UPH-825		
925	950	14	925	950	948	15	20		CU2325D0	UPH-925		
950	980	20	950	980	978	22	27		CU1892D0	UPH-950		
1020	1050	18	1020	1050	1048	19	24		CU1894D0	UPH-1020A		
1025	1055	15	1025	1055	1053	16	21		CU1895D0	UPH-1025		
1100	1140	20	1100	1140	1138	22	27		CU2192D0	UPH-1100		
1220	1280	30	1220	1280	1278	32	37		CU1899D0	UPH-1220		
1560	1600	20	1560	1600	1598	22	27		CU2191D0	UPH-1560		
1620	1680	30	1620	1680	1678	32	37		CU1904D0	UPH-1620		