

패킹호칭치수 및 장착부치수							패킹 부품 번호	병용백업링 부품번호	
D	d	h	HA	Hb	øD1	C		BRT3(엔드리스) 19YF	BRN3(엔드리스) 8ONP
18	8	7.5	8.5	10.5	17	2.5	KFU2150H0	KGN0725V0	KGN910101
19.2	11.2	5	5.7	7.7	18.2		*KFU0202H0	KGN7236V0	KGN979200
20	10	6	7	9	19		*KFU0205H0	KGN7233V0	KGN910201
	10	7.5	8.5	10.5	19		KFU0206H0	KGN0733V0	KGN910201
	10	8	9	11	19		KFU0207H0	KGN0733V0	KGN910201
22	14	5	5.7	7.7	19		*KFU0208H0	KGN7237V0	KGN979300
	14	5	5.7	7.7	21	*KFU0242H0	KGN7238V0	KGN979400	
	24	14	7.5	8.5	10.5	23	KFU2151H0	KGN0745V0	KGN910301
25	15	6	7	9	24	*KFU0273H0	KGN0749V0	KGN973801	
	15	8	9	11	24	KFU0274H0	KGN0749V0	KGN973801	
	17	5	5.7	7.7	24	*KFU0275H0	KGN7239V0	KGN979500	
26	16	7.5	8.5	10.5	25	KFU2152H0	KGN0751V0	KGN910501	
	18	5	5.7	7.7	25	*KFU0310H0	KGN6377V0	KGN910601	
28	15	10	11	13	27	KFU2153H0	KGN6445V0	KGN910601	
	20	5	5.7	7.7	27	*KFU2138H0	KGN6447V0	KGN910801	
30	20	5	5.7	7.7	29	*KFU0351H0	KGN0762V0	KGN910901	
	20	6	7	9	29	*KFU0352H0	KGN0762V0	KGN910901	
	20	8	9	11	29	KFU0353H0	KGN0762V0	KGN910901	
	22.4	5	5.7	7.7	29	*KFU2139H0	KGN6450V0	KGN911201	
31	18	10	11	13	30	KFU2154H0	KGN6446V0	KGN910701	
31.5	18.5	8	9	11	30.5	3.5	KFU0377H0	KGN7240V0	KGN979600
	18.5	10	11	13	30.5		KFU0378H0	KGN7240V0	KGN979600
	21.5	6	7	9	30.5		KFU0379H0	KGN0767V0	KGN979700
	21.5	8	9	11	30.5		KFU0380H0	KGN0767V0	KGN979700
	23.5	5	5.7	7.7	30.5		*KFU0381H0	KGN6452V0	KGN911401
33	20	10	11	13	32	3.5	KFU2155H0	KGN6448V0	KGN911001
	25	5	5.7	7.7	32	2	*KFU2140H0	KGN6665V0	KGN978601
35	22	10	11	13	34	3.5	KFU2156H0	KGN6449V0	KGN911101
	25	6	7	9	34		*KFU0418H0	KGN0781V0	KGN911501
	25	8	9	11	34		KFU0419H0	KGN0781V0	KGN911501
35.4	22.4	10	11	13	34.4	KFU2157H0	KGN6017V0	KGN979800	
35.5	22.5	8	9	11	34.5	3.5	KFU0446H0	KGN7241V0	KGN979900
	22.5	10	11	13	34.5		KFU0447H0	KGN7241V0	KGN979900
	25.5	6	7	9	34.5		*KFU0448H0	KGN6454V0	KGN911701
	25.5	8	9	11	34.5		KFU0449H0	KGN6454V0	KGN911701
38	25	10	11	13	37	3.5	KFU0466H0	KGN6453V0	KGN911601
	25	9	10	12	39		KFU0485H0	KGN6591V0	KGN980000
40	25	10	11	13	39	3.5	KFU0486H0	KGN6591V0	KGN980000
	27	8	9	12	39		KFU0488H0	KGN6455V0	KGN911801
	27	10	11	14	39		KFU0489H0	KGN6455V0	KGN911801
	30	8	9	12	39		KFU0491H0	KGN6361V0	KGN912201
41	28	10	11	14	40	KFU2158H0	KGN6458V0	KGN912101	

* 표시치수 : 내압(耐壓)한계는 OSI형에 준합니다.

B치수구하는 방법

■ 백업링을 사용하는 경우

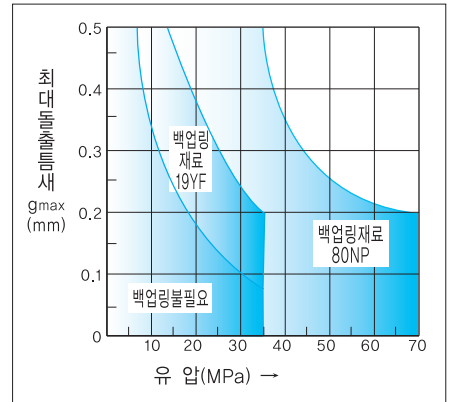
B치수는 아래표에 근거하여 설정하십시오. 실린더 구조상 B치수를 한층 더 작게 하는 경우 별도 KNS에 상담하십시오.

사용 최고 압력	14MPa	21MPa	35MPa
백업 링 재료	19YF		
B치수	$B \geq \phi D - 1.0$	$B \geq \phi D - 0.5$	$B \geq \phi D - 0.2$

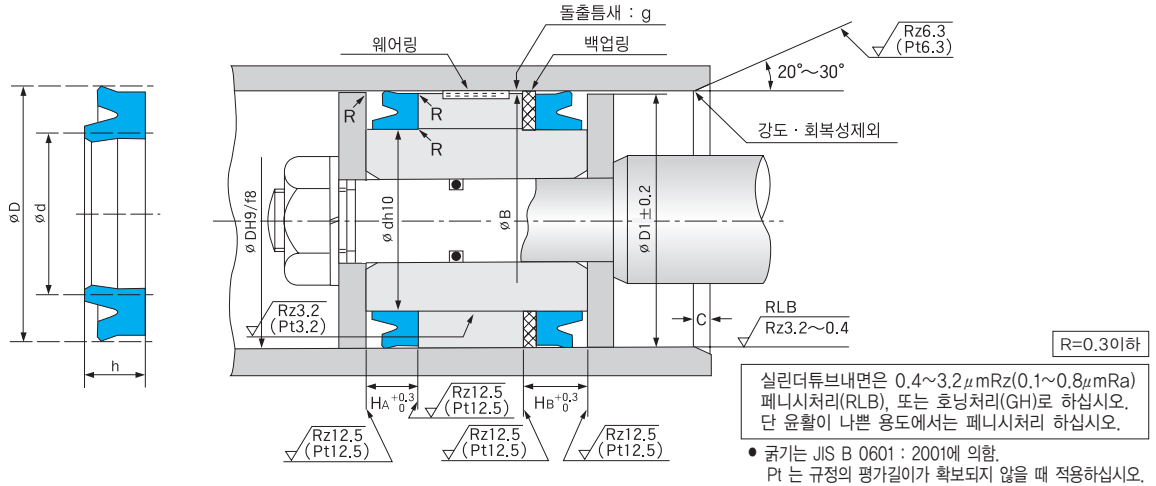
사용 최고 압력	35MPa	42MPa	70MPa
백업 링 재료	80NP		
B치수	$B \geq \phi D - 0.8$	$B \geq \phi D - 0.4$	$B \geq \phi D - 0.2$

■ 백업링을 사용하지 않는 경우

B치수 결정시 피스톤의 편심(偏心)을 고려하여 최대돌출틈새(편측片側)를 오른쪽 그레프와 맞춰보십시오.



패킹호칭 치수 및 장착부 치수							패킹 부품 번호	병용백업링 부품번호	
D	d	h	HA	HB	φD1	C		BRT3(엔드리스)	BRN3(엔드리스)
								19YF	80NP
43	30	10	11	14	42	3.5	K FU2159H0	K GN6459V0	K GN9123O1
44.5	31.5	10	11	14	43.5		K FU2160H0	K GN6461V0	K GN9125O1
45	30	9	10	13	44		K FU0559H0	K GN7061V0	K GN9801O0
		10	11	14	44		K FU0560H0	K GN0761V0	K GN9801O0
	32	8	9	12	44		K FU0561H0	K GN7242V0	K GN9802O0
		10	11	14	44		K FU0562H0	K GN7242V0	K GN9802O0
50	35	8	9	12	44		K FU0564H0	K GN6463V0	K GN9127O1
		10	11	14	49		K FU0608H0	K GN6462V0	K GN9126O1
	34	12	13	16	49		K FU0609H0	K GN6462V0	K GN9126O1
		9	10	13	49		K FU0610H0	K GN0816V0	K GN9128O0
	35	10	11	14	49	K FU0611H0	K GN0816V0	K GN9128O0	
		12	13	16	49	K FU2161H0	K GN0816V0	K GN9128O0	
	40	8	9	12	49	K FU0614H0	K GN6465V0	K GN9131O1	
						K FU2162H0	K GN6330V0	K GN9130O1	
51.5	35.5	12	13	16	50.5	K FU0689H0	K GN6759V0	K GN9948O0	
55	40	9	10	13	54	K FU0690H0	K GN6759V0	K GN9948O0	
		10	11	14	54	K FU0693H0	K GN6467V0	K GN9133O1	
	45	8	9	12	54	K FU0716H0	K GN6466V0	K GN9132O1	
56	40	10	11	14	55	K FU0717H0	K GN6466V0	K GN9132O1	
		12	13	16	55	K FU0718H0	K GN0835V0	K GN9949O0	
	41	9	10	13	55	K FU0719H0	K GN0835V0	K GN9949O0	
		10	11	14	55	K FU0721H0	K GN7243V0	K GN9782O1	
	46	8	9	12	55	K FU0740H0	K GN0845V0	K GN9950O0	
60	45	9	10	13	59	K FU0741H0	K GN0845V0	K GN9950O0	
		10	11	14	59	K FU0743H0	K GN6302V0	K GN9138O1	
	50	8	9	12	59	K FU2163H0	K GN6469V0	K GN9135O1	
61	45	12	13	16	60	K FU0779H0	K GN6471V0	K GN9137O1	
63	47	10	11	14	62	K FU0780H0	K GN6471V0	K GN9137O1	
		12	13	16	62	K FU0781H0	K GN0853V0	K GN9951O0	
	48	9	10	13	62	K FU0782H0	K GN0853V0	K GN9951O0	
		10	11	14	62	K FU0785H0	K GN6413V0	K GN9140O1	
	53	8	9	12	62	K FU0804H0	K GN6439V0	K GN9952O0	
65	50	9	10	13	64	K FU0805H0	K GN6439V0	K GN9952O0	
		10	11	14	64	K FU0808H0	K GN6472V0	K GN9141O1	
	55	8	9	12	64	K FU2164H0	K GN6329V0	K GN9139O1	
66	50	12	13	16	65	K FU0836H0	K GN7008V0	K GN9803O0	
69	53	12	13	16	68	K FU0842H0	K GN6592V0	K GN9529O0	
		13	16	69	K FU0844H0	K GN6408V0	K GN9804O0		
	55	9	10	13	69	K FU0845H0	K GN6408V0	K GN9804O0	
		10	11	14	69	K FU0847H0	K GN6444V0	K GN9144O1	
70	50	12	13	16	69				
		13	16	69					
	55	9	10	13	69				



패킹호칭치수 및 장착부치수							패킹 부품 번호	병용백업링 부품번호	
D	d	h	HA	Hb	øD1	C		BRT3(엔드리스) 19YF	BRN3(엔드리스) 80NP
71	51	12	13	16	70	5	K FU0872H0	KGN0862V0	KGN9805O0
	55	10	11	14	70		K FU0873H0	KGN6473V0	KGN9142O1
	55	12	13	16	70		K FU0874H0	KGN6473V0	KGN9142O1
	56	9	10	13	70		K FU0875H0	KGN7247V0	KGN9806O0
	56	10	11	14	70		K FU0876H0	KGN7247V0	KGN9806O0
	61	8	9	12	70		K FU0878H0	KGN7248V0	KGN9783O1
75	55	12	13	16	74		K FU0894H0	KGN7249V0	KGN9807O0
	60	9	10	13	74		K FU0895H0	KGN6363V0	KGN9808O0
	60	10	11	14	74		K FU0896H0	KGN6363V0	KGN9808O0
	65	8	9	12	74		K FU0898H0	KGN6479V0	KGN9149O1
76	60	12	13	16	75		K FU2165H0	KGN6476V0	KGN9146O1
80	60	12	13	16	79		K FU0929H0	KGN0886V1	KGN9953O0
	64	10	11	14	79		K FU0931H0	KGN6478V0	KGN9148O1
	64	12	13	16	79		K FU0932H0	KGN6478V0	KGN9148O1
	65	9	10	13	79		K FU0933H0	KGN6364V0	KGN9754O1
	65	10	11	14	79		K FU0934H0	KGN6364V0	KGN9754O1
	70	8	9	12	79		K FU0937H0	KGN6362V1	KGN9092O1
85	65	12	13	16	84		K FU0974H0	KGN0899V0	KGN9810O0
	70	9	10	13	84		K FU0977H0	KGN6442V0	KGN9411O0
	70	10	11	14	84		K FU0978H0	KGN6442V0	KGN9411O0
	75	8	9	12	84	K FU0980H0	KGN6729V0	KGN9241O1	
90	70	12	13	16	89	K FU1014H0	KGN0910V0	KGN9151O1	
	70	15	16	19	89	K FU1015H0	KGN0910V0	KGN9151O1	
	75	9	10	13	89	K FU1017H0	KGN6443V0	KGN9757O1	
	75	10	11	14	89	K FU1018H0	KGN6443V0	KGN9757O1	
	80	8	9	12	89	K FU1020H0	KGN6483V0	KGN9155O1	
	80	10	11	14	94	K FU1045H0	KGN0920V0	KGN9154O1	
95	75	15	16	19	94	K FU1046H0	KGN0920V0	KGN9154O1	
	80	9	10	13	94	K FU1047H0	KGN6898V0	KGN9582O0	
	80	10	11	14	94	K FU1048H0	KGN6898V0	KGN9582O0	
	80	12	13	16	98	K FU1072H0	KGN0927V0	KGN9156O1	
100	80	15	16	19	98	K FU1074H0	KGN0927V0	KGN9156O1	
	85	10	11	14	98	K FU1079H0	KGN6484V0	KGN9091O1	
	85	15	16	19	103	K FU2166H0	KGN0932V0	KGN9157O1	
110	90	12	13	16	108	K FU1149H0	KGN0939V0	KGN9159O1	
	90	15	16	19	108	K FU1150H0	KGN0939V0	KGN9159O1	
	95	10	11	14	108	K FU1153H0	KGN6486V0	KGN9160O1	
112	92	12	13	16	110	K FU1174H0	KGN0940V0	KGN9811O0	
	92	15	16	19	110	K FU1175H0	KGN0940V0	KGN9811O0	
	97	9	10	13	110	K FU1176H0	KGN7250V0	KGN9812O0	
	97	10	11	14	110	K FU1177H0	KGN7250V0	KGN9812O0	

B치수구하는 방법

■ 백업링을 사용하는 경우

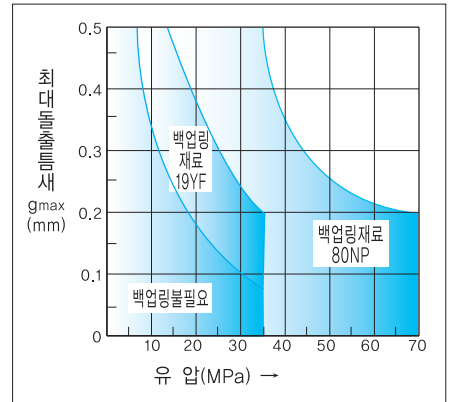
B치수는 아래표에 근거하여 설정하십시오. 실린더 구조상 B치수를 한층 더 작게 하는 경우 별도 KNS에 상담하십시오.

사용 최고 압력	14MPa	21MPa	35MPa
백업 링 재료	19YF		
B치수	$B \geq \phi D - 1.0$	$B \geq \phi D - 0.5$	$B \geq \phi D - 0.2$

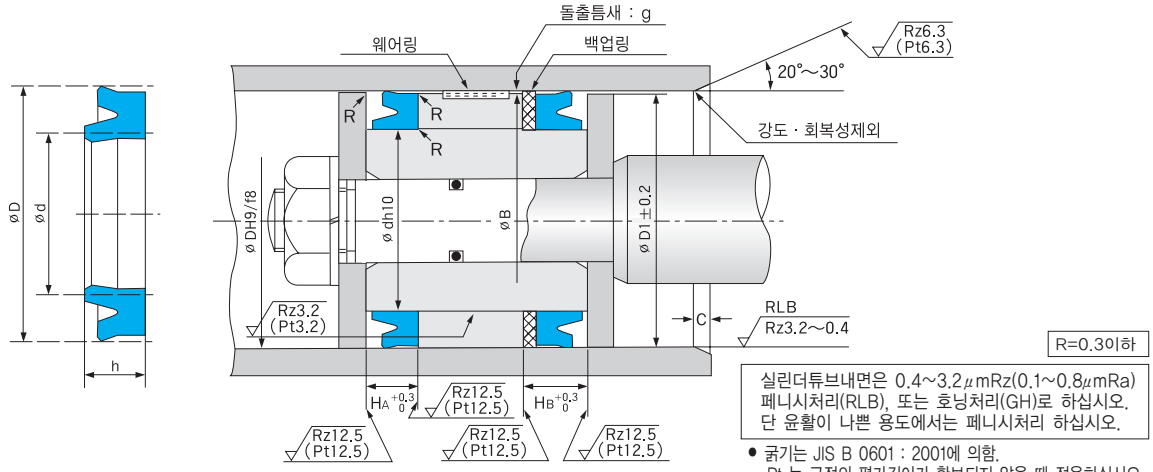
사용 최고 압력	35MPa	42MPa	70MPa
백업 링 재료	80NP		
B치수	$B \geq \phi D - 0.8$	$B \geq \phi D - 0.4$	$B \geq \phi D - 0.2$

■ 백업링을 사용하지 않는 경우

B치수 결정시 피스톤의 편심(偏心)을 고려하여 최대돌출틈새(편측片側)를 오른쪽 그레프와 맞춰보십시오.



패킹호칭 치수 및 장착부 치수							패킹 부품 번호	병용백업링 부품번호	
D	d	h	HA	HB	$\phi D1$	C		BRT3(엔드리스)	BRN3(엔드리스)
								19YF	80NP
115	95	15	16	19	113	5	K FU2167H0	KGN0945V0	KGN9161O1
120	100	12	13	16	118		K FU1210H0	KGN0945V0	KGN9161O1
	100	15	16	19	118		K FU1211H0	KGN0945V0	KGN9161O1
	105	10	11	14	118		K FU1213H0	KGN6684V0	KGN9589O1
125	105	12	13	16	123		K FU1243H0	KGN0959V0	KGN9165O1
	105	15	16	19	123		K FU1244H0	KGN0959V0	KGN9165O1
	105	16	17	20	123		K FU1245H0	KGN0959V0	KGN9165O1
	110	9	10	13	123		K FU1247H0	KGN6761V0	KGN9430O1
130	110	10	11	14	123		K FU1248H0	KGN6761V0	KGN9430O1
	110	12	13	16	128		K FU1274H0	KGN6790V0	KGN9694O0
	110	15	16	19	128		K FU1275H0	KGN6790V0	KGN9694O0
	110	16	17	20	128		K FU1276H0	KGN6790V0	KGN9694O0
132	115	10	11	14	128		K FU1279H0	KGN6741V0	KGN9274O1
	112	15	16	19	130		K FU2168H0	KGN0970V0	KGN9168O1
140	120	12	13	16	138	K FU1316H0	KGN0982V0	KGN9169O1	
	120	15	16	19	138	K FU1317H0	KGN0982V0	KGN9169O1	
	120	16	17	20	138	K FU1318H0	KGN0982V0	KGN9169O1	
	125	10	11	14	138	K FU1321H0	KGN6491V0	KGN9170O1	
150	125	19	20	23	148	K FU2169H0	KGN6135V0	KGN9171O1	
	125	20	21	24	148	K FU1351H0	KGN6135V0	KGN9171O1	
	130	12	13	16	148	K FU1352H0	KGN6925V0	KGN9335O1	
	130	16	17	20	148	K FU1354H0	KGN6925V0	KGN9335O1	
	135	10	11	14	148	K FU1357H0	KGN6666V0	KGN9539O1	
157	132	20	21	24	155	K FU1909H0	KGN7013V0	KGN9813O0	
160	135	19	20	23	158	K FU2170H0	KGN6492V0	KGN9172O1	
	135	20	21	24	158	K FU1398H0	KGN6492V0	KGN9172O1	
	140	12	13	16	158	K FU1399H0	KGN1002V0	KGN9668O0	
	140	16	17	20	158	K FU1402H0	KGN1002V0	KGN9668O0	
	145	10	11	14	158	K FU1405H0	KGN6495V0	KGN9175O1	
165	140	19	20	23	163	K FU1426H0	KGN6495V0	KGN9175O1	
	140	20	21	24	163	K FU2186H0	KGN6495V0	KGN9175O1	
170	145	19	20	23	168	K FU1436H0	KGN6496V0	KGN9176O1	
	145	20	21	24	168	K FU1437H0	KGN6496V0	KGN9176O1	
	150	12	13	16	168	K FU1438H0	KGN1011V0	KGN9672O1	
	150	16	17	20	168	K FU1440H0	KGN1011V0	KGN9672O1	
	155	10	11	15	168	K FU1442H0	KGN6498V0	KGN9178O1	
180	155	16	17	21	178	K FU1475H0	KGN1016V0	KGN9179O1	
	155	19	20	24	178	K FU2171H0	KGN1016V0	KGN9179O1	
	155	20	21	25	178	K FU1476H0	KGN1016V0	KGN9179O1	
	160	12	13	17	178	K FU1478H0	KGN6905V0	KGN9814O0	
	160	16	17	21	178	K FU1479H0	KGN6905V0	KGN9814O0	
	165	10	11	15	178	K FU1482H0	KGN6500V0	KGN9182O1	



R=0.3이하

실린더부내면은 0.4~3.2 μ mRz(0.1~0.8 μ mRa) 페니시처리(RLB), 또는 호닝처리(GH)로 하십시오. 단 윤활이 나쁜 용도에서는 페니시처리 하십시오.

● 굵기는 JIS B 0601 : 2001에 의함.
Pt 는 규정의 평가길이 가 확보되지 않을 때 적용하십시오.

패킹호칭치수 및 장착부치수							패킹 부품 번호	병용백업링 부품번호	
D	d	h	HA	Hb	ϕ D1	C		BRT3(엔드리스) 19YF	BRN3(엔드리스) 80NP
185	160	19	20	24	183	6.5	K FU2172H0	K GN1020V0	K GN9181O1
	160	20	21	25	183		K FU2187H0	K GN1020V0	K GN9181O1
190	165	16	17	21	188		K FU1507H0	K GN1023V0	K GN9815O0
	165	20	21	25	188		K FU1508H0	K GN1023V0	K GN9815O0
	170	12	13	17	188		K FU1509H0	K GN6985V0	K GN9816O0
	170	16	17	21	188		K FU1510H0	K GN6985V0	K GN9816O0
200	175	10	11	15	188		K FU1512H0	K GN6503V0	K GN9185O1
	175	16	17	21	198		K FU1536H0	K GN1031V0	K GN9186O1
	175	19	20	24	198		K FU2173H0	K GN1031V0	K GN9186O1
	175	20	21	25	198		K FU1538H0	K GN1031V0	K GN9186O1
205	180	16	17	21	198		K FU1540H0	K GN6372V0	K GN9187O1
	180	19	20	24	203		K FU2174H0	K GN1035V0	K GN9188O1
	180	20	21	25	203		K FU2188H0	K GN1035V0	K GN9188O1
210	185	16	17	21	208		K FU1570H0	K GN1039V0	K GN9817O0
	185	20	21	25	208		K FU1571H0	K GN1039V0	K GN9817O0
	190	16	17	21	208		K FU1573H0	K GN6505V0	K GN9190O1
215	190	16	17	21	213		K FU2260H0	K GN1024V0	K GN9818O0
220	195	16	17	21	218		K FU1592H0	K GN7253V0	K GN9819O0
	195	20	21	25	218		K FU1593H0	K GN7253V0	K GN9819O0
	200	16	17	21	218		K FU1595H0	K GN6276V0	K GN9191O1
224	199	16	17	21	222		K FU1604H0	K GN1047V0	K GN9820O0
	199	20	21	25	222		K FU1605H0	K GN1047V0	K GN9820O0
	204	16	17	21	222		K FU1607H0	K GN6506V0	K GN9193O1
225	200	16	17	21	223		K FU1616H0	K GN1050V0	K GN9192O1
	200	19	20	24	223		K FU2175H0	K GN1050V0	K GN9192O1
	200	20	21	25	223		K FU1617H0	K GN1050V0	K GN9192O1
	205	16	17	21	223		K FU1619H0	K GN7255V0	K GN9784O1
	205	16	17	21	228		K FU1632H0	K GN1053V0	K GN9557O1
230	205	19	20	24	228	K FU1633H0	K GN1053V0	K GN9557O1	
	205	20	21	25	228	K FU1634H0	K GN1053V0	K GN9557O1	
	210	16	17	21	228	K FU1636H0	K GN6352V0	K GN9195O1	
	215	16	17	21	238	K FU1652H0	K GN7256V0	K GN9574O0	
240	215	19	20	24	238	K FU1653H0	K GN7256V0	K GN9574O0	
	215	20	21	25	238	K FU1654H0	K GN7256V0	K GN9574O0	
	220	16	17	21	238	K FU1656H0	K GN6508V0	K GN9196O1	
	225	16	17	21	248	K FU1671H0	K GN1065V0	K GN9045O1	
	225	19	20	24	248	K FU1672H0	K GN1065V0	K GN9045O1	
250	225	20	21	25	248	K FU1673H0	K GN1065V0	K GN9045O1	
	230	16	17	21	248	K FU1676H0	K GN6510V0	K GN9047O1	
	235	16	17	21	258	K FU1698H0	K GN7057V0	K GN9821O0	
	235	19	20	24	258	K FU1699H0	K GN7057V0	K GN9821O0	
260	240	16	17	21	258	K FU1701H0	K GN6511V0	K GN9198O1	

B치수구하는 방법

■ 백업링을 사용하는 경우

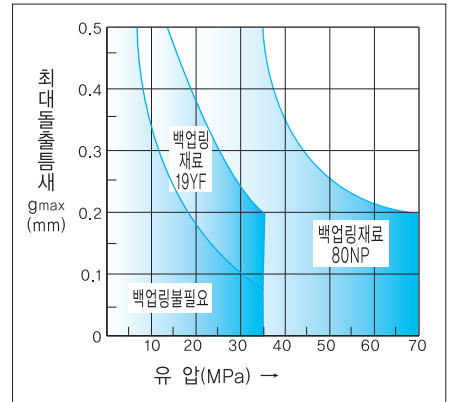
B치수는 아래표에 근거하여 설정하십시오. 실린더 구조상 B치수를 한층 더 작게 하는 경우 별도 KNS에 상담하십시오.

사용 최고 압력	14MPa	21MPa	35MPa
백업 링 재료	19YF		
B치수	$B \geq \phi D - 1.0$	$B \geq \phi D - 0.5$	$B \geq \phi D - 0.2$

사용 최고 압력	35MPa	42MPa	70MPa
백업 링 재료	80NP		
B치수	$B \geq \phi D - 0.8$	$B \geq \phi D - 0.4$	$B \geq \phi D - 0.2$

■ 백업링을 사용하지 않는 경우

B치수 결정시 피스톤의 편심(偏心)을 고려하여 최대돌출틈새(편측片側)를 오른쪽 그래프와 맞춰보십시오.



패 킹 호 치 수 및 장 착 부 치 수							패 킹 부 품 번 호	병 용 백 업 링 부 품 번 호	
D	d	h	HA	Hb	$\phi D1$	C		BRT3(엔드리스) 19YF	BRN3(엔드리스) 80NP
270	245	16	17	21	268	6.5	K FU1715H0	K GN7258V0	K GN9675O0
	245	19	20	24	268		K FU1716H0	K GN7258V0	K GN9675O0
	250	16	17	21	268		K FU1718H0	K GN6512V0	K GN9199O1
275	250	19	20	24	273	7.5	K FU2176H0	K GN1078V0	K GN9200O1
	250	20	21	25	273		K FU2189H0	K GN1078V0	K GN9200O1
280	250	19	20	24	278		K FU1729H0	K GN6197V0	K GN9432O1
	255	19	20	24	278		K FU1731H0	K GN6513V0	K GN9201O1
290	260	19	20	24	288		K FU1744H0	K GN1083V0	K GN9431O1
	265	19	20	24	288		K FU1746H0	K GN6318V0	K GN9203O1
297	265	24	25	29	295		K FU2177H0	K GN6515V0	K GN9204O1
	265	25	26	30	295		K FU2190H0	K GN6515V0	K GN9204O1
300	270	19	20	24	298		K FU1758H0	K GN1089V0	K GN9206O1
	270	24	25	29	298		K FU2178H0	K GN1089V0	K GN9206O1
	270	25	26	30	298	K FU1759H0	K GN1089V0	K GN9206O1	
	275	19	20	24	298	K FU1761H0	K GN6517V0	K GN9207O1	
312	280	24	25	29	310	K FU2193H0	K GN6519V0	K GN9209O1	
332	300	24	25	29	330	K FU2194H0	K GN6522V0	K GN9212O1	