

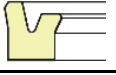
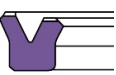
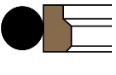
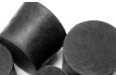


HYDRAULIC BREAKERS SEALS

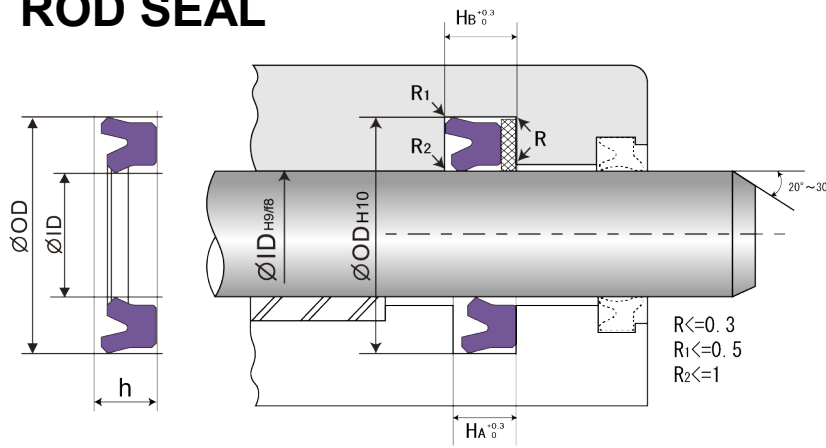


PETSEALS INDUSTRIES LTD.
www.petseals.com

INDEX

ITEM	PROFILE	TYPE	MATERIAL	TEMPERATURE	PRESSURE (kgf/cm ²)	SPEED (m/s)	PAGE
ROD SEAL		RUS	PU	-40°C~120°C	300	1	1
		RUN	PU	-40°C~120°C	300	1	1
		IUIS	PU	-40°C~120°C	300	1	2
		IUI	PU+HY	-35°C~120°C	300	1	
WIPER SEAL		DS2	PU	-40°C~120°C	-	1	3
		LPI	PU	-40°C~120°C	-	-	4
BUFFER SEAL		L-TYPE	NBR+PTFE	-40°C ~ 100°C	350	1.5	5
		FB2	PU+NY	-35°C~120°C	500	1	6
		KBY	PU	-40°C~120°C	300	1	7
GAS-SEAL		GAS	FKM	-20°C ~ 100°C	-	-	8
			HNBR	-40°C ~ 120°C	-	-	
X-RING		X-ring	FKM	-20°C~200°C	-	-	9
			HNBR	-40°C~120°C	-	-	
DIAPHRAGM		CUP	HNBR+METAL	-40°C ~ 130°C	-	-	10
D-RING		DRI	NBR	-30°C~100°C	-	-	11
			PU	-40°C~120°C	-	-	
BACKUP RING		4F-P/G	PTFE	-55°C~200°C	-	-	12-16
		4F-P/G	PTFE	-40°C~100°C	-	-	17-18
HEAD SEAL		HR	PU	-35°C~100°C	500	-	19
MISCELLANEOUS		4FR / RUBBER PLUG	-	-	-	-	20
		FITTING	-	-	-	-	21
		RUBBER PLUG	-	-	-	-	22
BREAKER KIT		RUBBER PLUG	-	-	-	-	23

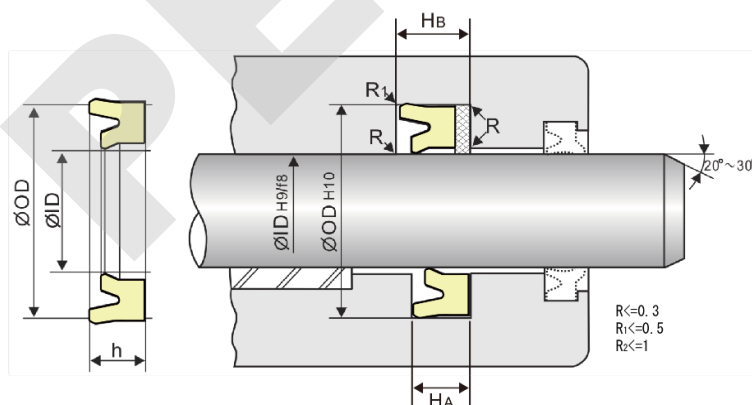
RUS ROD SEAL



APPLICATION	
MATERIAL	PU
TEMP.	-40°C~120°C
PRESSURE	300kgf/cm ²
SPEED	1m/s

ITEM	ID	OD	h	HA	HB	MODEL
RUS-040	40	50	6	7	10	H-0.6X、TOP10
RUS-045	45	55	6	7	10	H-0.8X
RUS-050	50	60	6	7	10	
RUS-055	55	65	6	7	10	
RUS-056	56	66	6	7	10	TNB-2M
RUS-058	58	68	6	7	10	TNB-2M
RUS-060	60	70	6	7	10	HB-3G
RUS-070	70	80	6	7	10	
RUS-075	75	85	6	7	10	
RUS-080	80	90	6	7	10	
RUS-112	112	125	9	10	13	
RUS-115	115	130	9	10	13	
RUS-118	118	133	9	10	13	H-10X,H-10XB
RUS-120	120	135	9	10	13	
RUS-135	135	150	9	10	13	
RUS-140	140	155	9	10	13	
RUS-190	190	210	12	13	17	

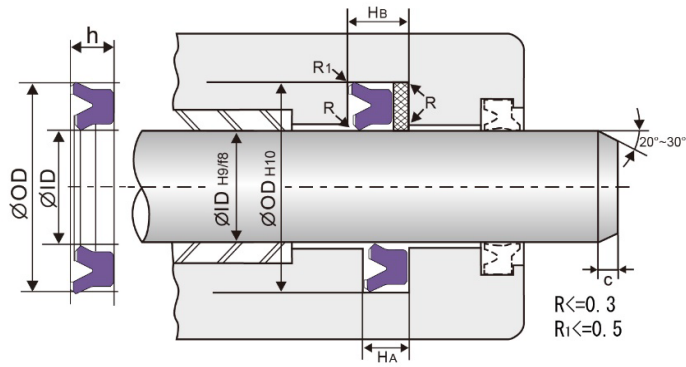
RUN ROD SEAL



APPLICATION	
MATERIAL	PU
TEMP.	-40°C~120°C
PRESSURE	350kgf/cm ²
SPEED	1m/s

ITEM	ID	OD	h	HA	HB
RUN-135.8	135.8	150.9	9.6	11	14

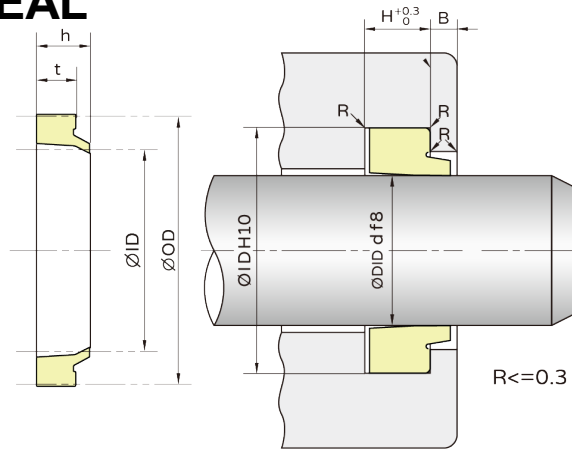
IUIS ROD SEAL



APPLICATION	
MATERIAL	PU
TEMP.	-30°C~100°C
PRESSURE	300kgf/cm ²
SPEED	1m/s

ITEM	ID	OD	h	BRAND	MODEL
IUIS-050	50	60	6	TOKU	TNB-1M
IUIS-055	55	65	6		
IUIS-065	65	75	6	FURUKAWA	HB-F5
IUIS-066	66	76	6		TNB-3M
IUIS-068	68	78	6		TNB-3M
IUIS-070	70	80	6	OKADA、SOOSAN	OUB-303A、SB40
IUIS-075	75	85	6	FURUKAWA、TOKU	HB-5G、TNB-4E、2M
IUIS-077.5	77.5	87.5	6	TOKU	TNB-4E
IUIS-108	108	118	6	FURUKAWA	HB-10G
IUIS-132	132	142	6	TOKU	TNB-14E、150LU
IUIS-136	136	146	6	TOKU	TNB-14E、150LU
IUIS-140	140	150	6	FURUKAWA	HB-20G
IUIS-145	145	155	6	FURUKAWA	HB-F27
IUIS-155	155	165	6	FURUKAWA	HB-30G、F30、F35
IUIS-098	98	112	8.5	SOOSAN	SB-050
IUIS-085	85	100	9		
IUIS-100	100	115	9	SOOSAN	SB-050
IUIS-105	105	120	9	NPK	H-0.7X、H-7X
IUIS-130	130	145	9	NPK	H-12X
IUIS-140	140	155	9	SOOSAN	SB-081、GB-8AT
IUIS-135	135	150	9		
IUIS-145	145	160	9		
IUIS-150	150	165	9		
IUIS-160	160	175	9	OKADA/SOOSAN	TOP-300、SB-121
IUIS-170	170	185	9		
IUIS-180	180	200	12	SOOSAN	SB-151、SB-175
IUIS-185	185	205	12		
IUIS-190	190	210	12		
IUI-92.4	92.4	102.4	8	KONAN甲南	MKB-900N

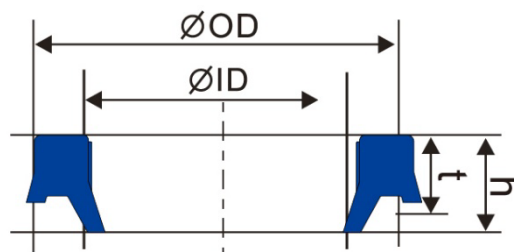
DS2 WIPER SEAL



APPLICATION	
MATERIAL	PU
TEMP.	-40°C~100°C
SPEED	1m/s

ITEM	ID	OD	t	h	H
DS2-050	50	58	5	6.5	6
DS2-055	55	63	5	6.5	6
DS2-058	58	66	5	6.5	6
DS2-060	60	68	5	6.5	6
DS2-065	65	73	5	6.5	6
DS2-068	68	76	5	6.5	6
DS2-045	45	53	5	7	6
DS2-040	40	48	5	8	6
DS2-040	40	50	6	8	7
DS2-050	50	60	6	8	7
DS2-055	55	65	6	8	7
DS2-050	65	75	6	8	7
DS2-075	75	85	6	8	7
DS2-080	80	90	6	8	7
DS2-090	90	100	6	8	7
DS2-100	100	110	6	8	7
DS2-105	105	115	6	8	7
DS2-118	118	128	6	8	7
DS2-050	50	63	7	9.5	
DS2-050	50	63	7	9.5	
DS2-070	70	83	7	9.5	
DS2-080	80	93	7	9.5	
DS2-085	85	98	7	9.5	
DS2-100	100	113	7	9.5	
DS2-105	105	118	7	9.5	
DS2-060	60	70	6	10	

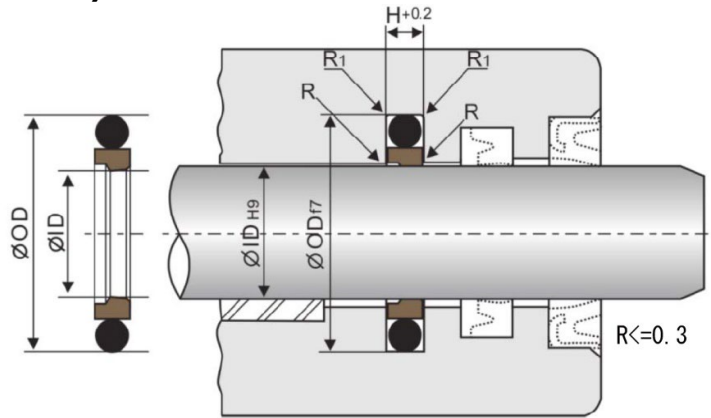
LPI WIPER SEAL



APPLICATION	
MATERIAL	PU
TEMP.	-40°C~100°C
SPEED	1 m/s

ITEM	ID	OD	t	h
LPI-040	40	50	6	8
LPI-045	45	55	6	8
LPI-050	50	60	6	8
LPI-055	55	65	6	8
LPI-070	70	80	6	8
LPI-077.5	77.5	87.5	6	8
LPI-136	136	149	7.8	9.4
LPI-055	55	68	7	9.5
LPI-060	60	73	7	9.5
LPI-065	65	78	7	9.5
LPI-070	70	83	7	9.5
LPI-075	75	88	7	9.5
LPI-080	80	93	7	9.5
LPI-090	90	103	7	9.5
LPI-095	95	108	7	9.5
LPI-100	100	113	7	9.5
LPI-130	130	143	7	9.5
LPI-150	150	163	7	9.5
LPI-155	155	168	7	9.5
LPI-160	160	173	7	9.5
LPI-108	108	123	6.5	10.3
LPI-140	140	155	6.5	10.3
LPI-145	145	160	6.5	10.3
LPI-155	155	170	6.5	10.3

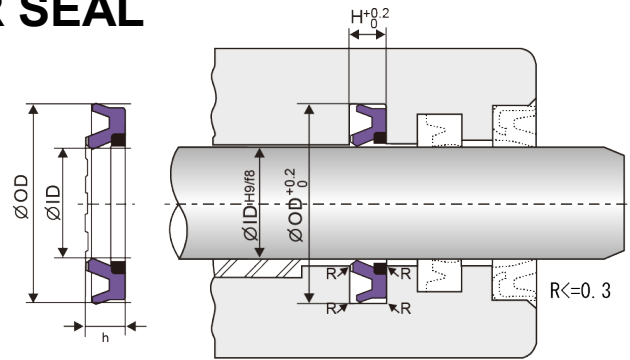
L-TYPE(HBT) BUFFER SEAL



APPLICATION	
MATERIAL	NBR+PTFE
TEMP.	-40°C~100°C
PRESSURE	350kgf/cm ²
SPEED	1.5m/s

ITEM	ID	OD	H
L-TYPE 038	38	48.7	4.2
L-TYPE 048	48	58.7	4.2
L-TYPE 052	52	67.1	6.3
L-TYPE-053	53	68.1	6.3
L-TYPE 056	56	71.1	6.3
L-TYPE 058	58	73.1	6.3
L-TYPE 063	63	78.1	6.3
L-TYPE 065	65	80.1	6.3
L-TYPE 065	66	81.1	6.3
L-TYPE 067	67	82.1	6.3
L-TYPE 068	68	83.1	6.3
L-TYPE 072	72	87.1	6.3
L-TYPE 089	89	104.1	6.3
L-TYPE 092	92	107.1	6.3
L-TYPE 098	98	113.1	6.3
L-TYPE 105	105	120.1	6.3
L-TYPE 108	108	123.1	6.3
L-TYPE 118	118	133.1	6.3
L-TYPE 130	130	145.1	6.3
L-TYPE 132	132	147.1	6.3
L-TYPE 133	133	148.1	6.3
L-TYPE 134	134	148.5	6.3
L-TYPE 135	135	150.1	6.3
L-TYPE 136	136	151.1	6.3
L-TYPE 138	138	153.1	6.3
L-TYPE 147	147	162.1	6.3
L-TYPE 150	150	165.1	6.3
L-TYPE 157	157	172.1	6.3
L-TYPE 177	177	192.1	6.3
L-TYPE 185	185	200.1	6.3
L-TYPE 185	185	205.5	8.1

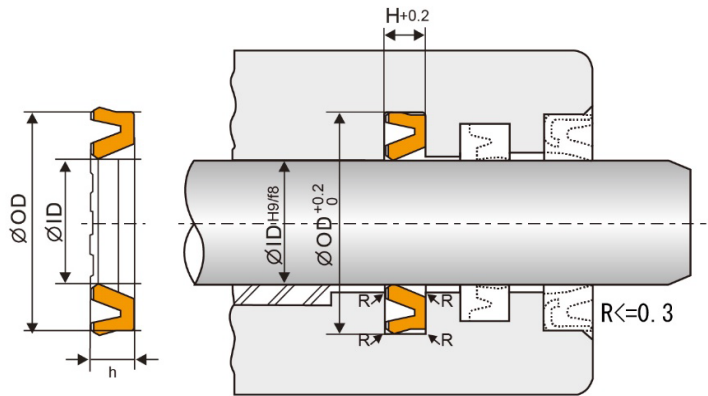
FB2 BUFFER SEAL



APPLICATION	
MATERIAL	PU+NY
TEMP.	-55°C~120°C
PRESSURE	500kgf/cm ²
SPEED	1m/s

ITEM	ID	OD	h	H
FB2-040	40	55.5	6	6.3
FB2-045	45	60.5	6	6.3
FB2-050	50	65.5	6	6.3
FB2-055	55	70.5	6	6.3
FB2-056	56	71.5	6	6.3
FB2-060	60	75.5	6	6.3
FB2-063	63	78.5	6	6.3
FB2-065	65	80.5	6	6.3
FB2-070	70	85.5	6	6.3
FB2-075	75	90.5	6	6.3
FB2-080	80	95.5	6	6.3
FB2-085	85	100.5	6	6.3
FB2-090	90	105.5	6	6.3
FB2-095	95	110.5	6	6.3
FB2-100	100	115.5	6	6.3
FB2-105	105	120.5	6	6.3
FB2-110	110	125.5	6	6.3
FB2-115	115	130.5	6	6.3
FB2-120	120	135.5	6	6.3
FB2-125	125	140.5	6	6.3
FB2-130	130	145.5	6	6.3
FB2-135	135	150.5	6	6.3
FB2-140	140	155.5	5.8	6.3
FB2-145	145	160.5	5.8	6.3
FB2-145	145	160.5	6	6.3
FB2-150	150	165.5	6	6.3
FB2-155	155	170.5	5.8	6.3
FB2-160	160	175.5	6	6.3
FB2-170	170	185.5	6	6.3
FB2-180	180	195.5	6	6.3
FB2-190	190	205.5	6	6.3

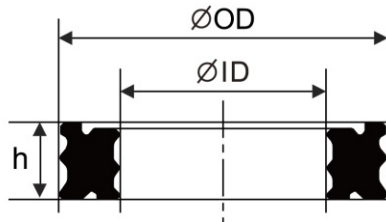
KBY BUFFER SEAL



APPLICATION	
MATERIAL	PU
TEMP.	-40°C~120°C
PRESSURE	400kgf/cm ²
SPEED	1m/s

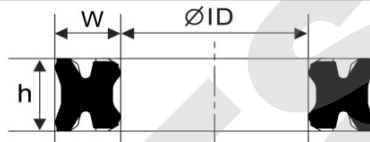
ITEM	ID	OD	h	H
KBY-136	136	151.1	6	6.4

GAS-SEAL

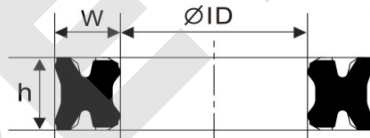


APPLICATION		
MATERIAL	FKM	HBBR
TEMP.	-20°C~200°C	-40°C~120°C

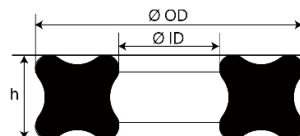
ITEM	ID	OD	h	MATERIAL	MODEL	BRAND
GAS-SEAL	68	79.4	5.4	FKM	SB-040	SOOSAN
GAS-SEAL	50	61.2	5.5	FKM	TNB-1M	TOKU
GAS-SEAL	132	147	6.8	FKM	TNB-14E, 150LU	TOKU
GAS-SEAL	105.3	119.28	6.99	FKM	HB-F11	FURUKAWA
GAS-SEAL	37	48	7	FKM		
GAS-SEAL	42.2	53.2	7	FKM		
GAS-SEAL	58.5	69.3	7	FKM		
GAS-SEAL	73.3	84.1	7	FKM		
GAS-SEAL	83.5	94.3	7	FKM		
GAS-SEAL	98	109.4	7	FKM	SB-050	SOOSAN
GAS SEAL	133	147.8	9.6	FKM		
GAS-SEAL	123.5	138.3	9.7	FKM		
GAS-SEAL	135	149.8	9.7	FKM	HB-20G	FURUKAWA
GAS-SEAL	138	152.8	9.7	FKM	SB-081	SOOSAN
GAS-SEAL	147	161.8	9.7	FKM		
GAS-SEAL	157	171.8	9.7	FKM	SB-121	SOOSAN
GAS-SEAL	177	191.8	9.7	FKM	SB-151, 175	SOOSAN
GAS-SEAL	185	199.8	9.7	FKM	SB-190, 195	SOOSAN



ITEM	ID	W	h	MATERIAL	MODEL	BRAND
GAS-SEAL	138	8	10	FKM		
GAS-SEAL	150	8	10	FKM	HB-30G	FURUKAWA

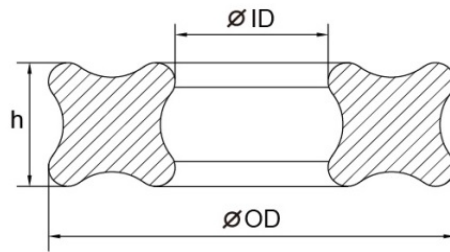


ITEM	ID	W	h	MATERIAL	MODEL	BRAND
GAS-SEAL	40	50	6	HNBR		
GAS-SEAL	45	55	6	HNBR		
GAS-SEAL	63	73	6	HNBR		
GAS-SEAL	70	80	6	HNBR		
GAS-SEAL	75	85	6	HNBR	TNB-4E	TOKU



ITEM	ID	W	h	MATERIAL	MODEL	BRAND
X-342	91.44	102	5	FKM	MKB-900, 900N	KONAN
X-347	107.32	118	5	HNBR		
X-437	151.76	166	7	HNBR		

X-RING



APPLICATION	
MATERIAL	NBR70

ITEM	ID	C/S
325	37.47	5.33
326	40.65	5.33
331	56.52	5.33
332	59.69	5.33
334	66.04	5.33
335	69.22	5.33
336	72.39	5.33
337	75.6	5.33
339	81.92	5.33
340	85.09	5.33
341	88.27	5.33
343	94.62	5.33
345	100.96	5.33
346	104.14	5.33
347	107.35	5.33
348	110.49	5.33
349	113.67	5.33
350	116.84	5.33
351	120.02	5.33
430	129.54	6.99
435	145.42	6.99
437	151.77	6.99
438	158.12	6.99

BREAKER KIT



BRAND	DESCRIPTION	ITEM
FURUKAWA	HB-10G	K-T-BK-FRHB-10G
	HB-20G	K-C-BK-FRHB-20G
	HB30G	K-E-BK-HB30G
	HB-F35	K-T-BK-FRHB-F35

※The above does not contain the control valve accessories

BRAND	DESCRIPTION	ITEM
TOKU	150LU (41567580D)	K-C-BK-TNB150LU
	1M	K-C-BK-TNB-1M
	2M	K-C-BK-TNB-2M
	3M	K-C-BK-TNB-3M
	4E	K-T-BK-TNB-4E
	14E	K-T-BK-TNB-14E

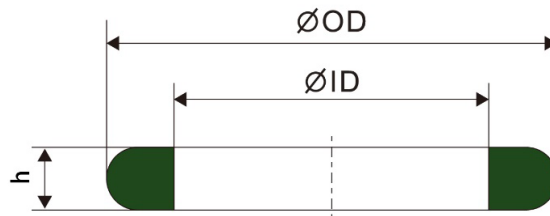
BRAND	DESCRIPTION	ITEM
SOOSAN	SB-040	K-C-BK-SS-SB040
	SB-050	K-C-BK-SS-SB050
	SB-081	K-C-BK-SS-SB081
	SB-121	K-C-BK-SS-SB121
	SB-151/175	K-S-BK-S-SB151

BRAND	DESCRIPTION	ITEM
NPK	0.6X	K-T-BK-NPK06X
	0.8X	K-T-BK-NPK08X
	10H-XB	K-T-BK-NPK10H-XB
	10H-XB	K-T-BK-NPK10H-XB-1
	H7X	K-E-BK-NPKH7X
	0.7X	K-T-BK-NPK07X
	H10X	K-E-BK-NPKH10X
	H12X	K-E-BK-H12X

BRAND	DESCRIPTION	ITEM
OKADA	OUB-303A	K-T-BK-OKA-OUB-303A
	TOP10	K-T-BK-OKA-TOP10
	TOP300	K-T-BK-OKA-TOP300

GENERAL	GB8AT	K-C-BK-GB-GB8AT
---------	-------	-----------------

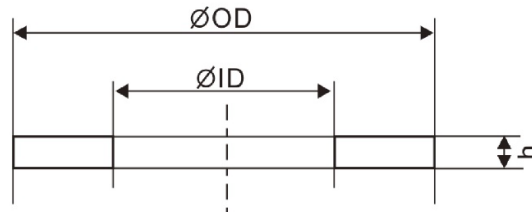
D-RING



ITEM	ID	OD	h	MATERIAL	PART NO.
DRI	170	180	6.5	HNBR	F-27
DRI	180	190	6	PU GREEN	F35-10116
DRI	180	190	6.5	NBR	F35-10216

PETSEALS

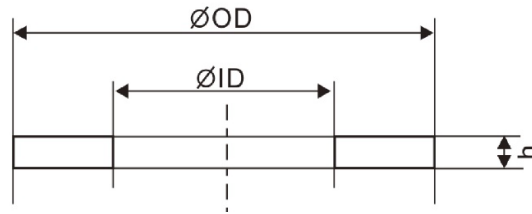
BACKUP RING—4F-P SERIES



APPLICATION	
MATERIAL	PTFE
TEMP.	-55°C~200°C

ITEM	ID	OD	W	h	ITEM	ID	OD	W	h
4F-P-003	3	6	1.5	1.25	4F-P-040	40	46	3	1.25
4F-P-004	4	7	1.5	1.25	4F-P-041	41	47	3	1.25
4F-P-005	5	8	1.5	1.25	4F-P-042	42	48	3	1.25
4F-P-006	6	9	1.5	1.25	4F-P-044	44	50	3	1.25
4F-P-007	7	10	1.5	1.25	4F-P-045	45	51	3	1.25
4F-P-008	8	11	1.5	1.25	4F-P-046	46	52	3	1.25
4F-P-009	9	12	1.5	1.25	4F-P-048	48	54	3	1.25
4F-P-010	10	13	1.5	1.25	4F-P-049	49	55	3	1.25
4F-P-010A	10	14	2	1.25	4F-P-050	50	56	3	1.25
4F-P-011	11	15	2	1.25	4F-P-018	18	22	2	1.5
4F-P-011.2	11.2	15.2	2	1.25	4F-P-105	105	111	3	1.5
4F-P-012	12	16	2	1.25	4F-P-048	48	58	5	1.9
4F-P-012.5	12.5	16.5	2	1.25	4F-P-050	50	60	5	1.9
4F-P-014	14	18	2	1.25	4F-P-052	52	62	5	1.9
4F-P-015	15	19	2	1.25	4F-P-053	53	63	5	1.9
4F-P-016	16	20	2	1.25	4F-P-055	55	65	5	1.9
4F-P-017	17	21	2	1.25	4F-P-056	56	66	5	1.9
4F-P-018	18	22	2	1.25	4F-P-058	58	68	5	1.9
4F-P-019	19	23	2	1.25	4F-P-060	60	70	5	1.9
4F-P-020	20	24	2	1.25	4F-P-062	62	72	5	1.9
4F-P-021	21	25	2	1.25	4F-P-063	63	73	5	1.9
4F-P-022	22	26	2	1.25	4F-P-065	65	75	5	1.9
4F-P-022A	22	28	3	1.25	4F-P-067	67	77	5	1.9
4F-P-022.4	22.4	28.4	3	1.25	4F-P-070	70	80	5	1.9
4F-P-024	24	30	3	1.25	4F-P-071	71	81	5	1.9
4F-P-025	25	31	3	1.25	4F-P-075	75	85	5	1.9
4F-P-025.5	25.5	31.5	3	1.25	4F-P-080	80	90	5	1.9
4F-P-026	26	32	3	1.25	4F-P-085	85	95	5	1.9
4F-P-028	28	34	3	1.25	4F-P-090	90	100	5	1.9
4F-P-029	29	35	3	1.25	4F-P-095	95	105	5	1.9
4F-P-029.5	29.5	35.5	3	1.25	4F-P-100	100	110	5	1.9
4F-P-030	30	36	3	1.25	4F-P-102	102	112	5	1.9
4F-P-031	31	37	3	1.25	4F-P-105	105	115	5	1.9
4F-P-031.5	31.5	37.5	3	1.25	4F-P-110	110	120	5	1.9
4F-P-032	32	38	3	1.25	4F-P-112	112	122	5	1.9
4F-P-034	34	40	3	1.25	4F-P-115	115	125	5	1.9
4F-P-035	35	41	3	1.25	4F-P-120	120	130	5	1.9
4F-P-035.5	35.5	41.5	3	1.25	4F-P-125	125	135	5	1.9
4F-P-036	36	42	3	1.25	4F-P-130	130	140	5	1.9
4F-P-038	38	44	3	1.25	4F-P-132	132	142	5	1.9
4F-P-039	39	45	3	1.25	4F-P-135	135	145	5	1.9

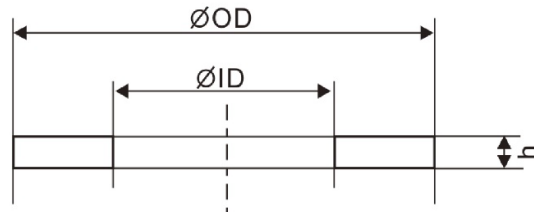
BACKUP RING—4F-P SERIES



APPLICATION	
MATERIAL	PTFE
TEMP.	-55°C~200°C

ITEM	ID	OD	W	h	ITEM	ID	OD	W	h
4F-P-140	140	150	5	1.9	4F-P-345	345	360	7.5	2.75
4F-P-145	145	155	5	1.9	4F-P-355	355	370	7.5	2.75
4F-P-150	150	160	5	1.9	4F-P-360	360	375	7.5	2.75
4F-P-150A	150	165	7.5	2.75	4F-P-375	375	390	7.5	2.75
4F-P-155	155	170	7.5	2.75	4F-P-385	385	400	7.5	2.75
4F-P-160	160	175	7.5	2.75	4F-P-400	400	415	7.5	2.75
4F-P-165	165	180	7.5	2.75	4F-P-405	405	420	7.5	3
4F-P-170	170	185	7.5	2.75	4F-P-410	410	425	7.5	3
4F-P-175	175	190	7.5	2.75	4F-P-415	415	430	7.5	3
4F-P-180	180	195	7.5	2.75	4F-P-420	420	435	7.5	3
4F-P-185	185	200	7.5	2.75	4F-P-425	425	440	7.5	3
4F-P-190	190	205	7.5	2.75	4F-P-430	430	445	7.5	3
4F-P-195	195	210	7.5	2.75	4F-P-435	435	450	7.5	3
4F-P-200	200	215	7.5	2.75	4F-P-440	440	455	7.5	3
4F-P-205	205	220	7.5	2.75	4F-P-445	445	460	7.5	3
4F-P-209	209	224	7.5	2.75	4F-P-450	450	465	7.5	3
4F-P-210	210	225	7.5	2.75	4F-P-455	455	470	7.5	3
4F-P-215	215	230	7.5	2.75	4F-P-460	460	475	7.5	3
4F-P-220	220	235	7.5	2.75	4F-P-465	465	480	7.5	3
4F-P-225	225	240	7.5	2.75	4F-P-470	470	485	7.5	3
4F-P-230	230	245	7.5	2.75	4F-P-475	475	490	7.5	3
4F-P-235	235	250	7.5	2.75	4F-P-480	480	495	7.5	3
4F-P-240	240	255	7.5	2.75	4F-P-485	485	500	7.5	3
4F-P-245	245	260	7.5	2.75	4F-P-490	490	505	7.5	3
4F-P-250	250	265	7.5	2.75	4F-P-495	495	510	7.5	3
4F-P-255	255	270	7.5	2.75	4F-P-500	500	515	7.5	3
4F-P-260	260	275	7.5	2.75	4F-P-260	260	275	7.5	2.75
4F-P-265	265	280	7.5	2.75	4F-P-265	265	280	7.5	2.75
4F-P-270	270	285	7.5	2.75	4F-P-270	270	285	7.5	2.75
4F-P-275	275	290	7.5	2.75	4F-P-275	275	290	7.5	2.75
4F-P-280	280	295	7.5	2.75	4F-P-280	280	295	7.5	2.75
4F-P-285	285	300	7.5	2.75	4F-P-285	285	300	7.5	2.75
4F-P-290	290	305	7.5	2.75	4F-P-290	290	305	7.5	2.75
4F-P-295	295	310	7.5	2.75	4F-P-295	295	310	7.5	2.75
4F-P-300	300	315	7.5	2.75	4F-P-300	300	315	7.5	2.75
4F-P-305	305	320	7.5	2.75	4F-P-305	305	320	7.5	2.75
4F-P-310	310	325	7.5	2.75	4F-P-310	310	325	7.5	2.75
4F-P-315	315	330	7.5	2.75	4F-P-315	315	330	7.5	2.75
4F-P-320	320	335	7.5	2.75	4F-P-320	320	335	7.5	2.75
4F-P-335	335	350	7.5	2.75	4F-P-335	335	350	7.5	2.75
4F-P-340	340	355	7.5	2.75	4F-P-340	340	355	7.5	2.75

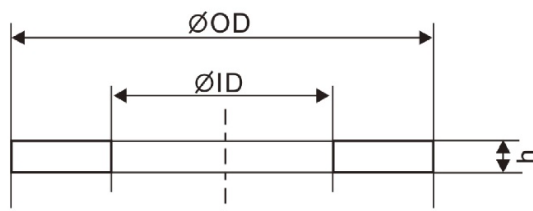
BACKUP RING—4F-P SERIES



APPLICATION	
MATERIAL	PTFE
TEMP.	-55°C~200°C

ITEM	ID	OD	W	h	ITEM	ID	OD	W	h
4F-P-345	345	360	7.5	2.75	4F-P-440	440	455	7.5	3
4F-P-355	355	370	7.5	2.75	4F-P-445	445	460	7.5	3
4F-P-360	360	375	7.5	2.75	4F-P-450	450	465	7.5	3
4F-P-375	375	390	7.5	2.75	4F-P-455	455	470	7.5	3
4F-P-385	385	400	7.5	2.75	4F-P-460	460	475	7.5	3
4F-P-400	400	415	7.5	2.75	4F-P-465	465	480	7.5	3
4F-P-405	405	420	7.5	3	4F-P-470	470	485	7.5	3
4F-P-410	410	425	7.5	3	4F-P-475	475	490	7.5	3
4F-P-415	415	430	7.5	3	4F-P-480	480	495	7.5	3
4F-P-420	420	435	7.5	3	4F-P-485	485	500	7.5	3
4F-P-425	425	440	7.5	3	4F-P-490	490	505	7.5	3
4F-P-430	430	445	7.5	3	4F-P-495	495	510	7.5	3
4F-P-435	435	450	7.5	3	4F-P-500	500	515	7.5	3

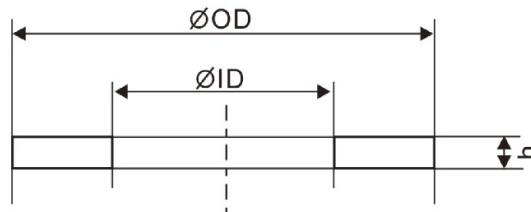
BACKUP RING—4F-G SERIES



APPLICATION	
MATERIAL	PTFE
TEMP.	-55°C~200°C

ITEM	ID	OD	W	h	ITEM	ID	OD	W	h
4F-G-025	25	30	2.5	1.25	4F-G-110	110	115	2.5	1.5
4F-G-026	26	31	2.5	1.25	4F-G-115	115	120	2.5	1.5
4F-G-028	28	32	2	1.25	4F-G-120	120	125	2.5	1.5
4F-G-030	30	35	2.5	1.25	4F-G-125	125	130	2.5	1.5
4F-G-035	35	40	2.5	1.25	4F-G-130	130	135	2.5	1.5
4F-G-040	40	45	2.5	1.25	4F-G-135	135	140	2.5	1.5
4F-G-042	42	47	2.5	1.25	4F-G-140	140	145	2.5	1.5
4F-G-043	43	48	2.5	1.25	4F-G-145	145	150	2.5	1.5
4F-G-045	45	50	2.5	1.25	4F-G-155	155	165	5	1.5
4F-G-050	50	55	2.5	1.25	4F-G-110	110	115	2.5	1.9
4F-G-055	55	60	2.5	1.25	4F-G-150	150	160	5	1.9
4F-G-058	58	63	2.5	1.25	4F-G-155	155	165	5	1.9
4F-G-060	60	65	2.5	1.25	4F-G-160	160	170	5	1.9
4F-G-063	63	68	2.5	1.25	4F-G-165	165	175	5	1.9
4F-G-065	65	70	2.5	1.25	4F-G-170	170	180	5	1.9
4F-G-067	67	72	2.5	1.25	4F-G-175	175	185	5	1.9
4F-G-070	70	75	2.5	1.25	4F-G-180	180	190	5	1.9
4F-G-072	72	77	2.5	1.25	4F-G-185	185	195	5	1.9
4F-G-075	75	80	2.5	1.25	4F-G-190	190	200	5	1.9
4F-G-080	80	85	2.5	1.25	4F-G-195	195	205	5	1.9
4F-G-085	85	90	2.5	1.25	4F-G-200	200	210	5	1.9
4F-G-090	90	95	2.5	1.25	4F-G-210	210	220	5	1.9
4F-G-095	95	100	2.5	1.25	4F-G-215	215	225	5	1.9
4F-G-100	100	105	2.5	1.25	4F-G-220	220	230	5	1.9
4F-G-105	105	110	2.5	1.25	4F-G-230	230	240	5	1.9
4F-G-110	110	115	2.5	1.25	4F-G-240	240	250	5	1.9
4F-G-115	115	120	2.5	1.25	4F-G-250	250	260	5	1.9
4F-G-120	120	125	2.5	1.25	4F-G-260	260	270	5	1.9
4F-G-125	125	130	2.5	1.25	4F-G-270	270	280	5	1.9
4F-G-130	130	135	2.5	1.25	4F-G-280	280	290	5	1.9
4F-G-135	135	140	2.5	1.25	4F-G-290	290	300	5	1.9
4F-G-140	140	145	2.5	1.25	4F-G-300	300	310	5	1.9
4F-G-145	145	150	2.5	1.25	4F-G-305	305	315	5	1.9
4F-G-040	40	45	2.5	1.5	4F-G-310	310	320	5	1.9
4F-G-070	70	75	2.5	1.5	4F-G-315	315	325	5	2
4F-G-080	80	85	2.5	1.5	4F-G-320	320	330	5	2
4F-G-085	85	90	2.5	1.5	4F-G-325	325	335	5	2
4F-G-090	90	95	2.5	1.5	4F-G-330	330	340	5	2
4F-G-095	95	100	2.5	1.5	4F-G-335	335	345	5	2
4F-G-100	100	105	2.5	1.5	4F-G-340	340	350	5	2
4F-G-105	105	110	2.5	1.5	4F-G-345	345	355	5	2

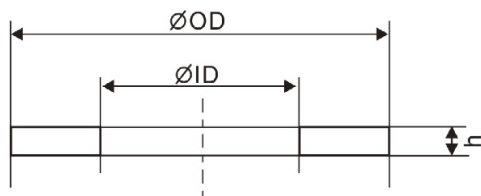
BACKUP RING—4F-G SERIES



APPLICATION	
MATERIAL	PTFE
TEMP.	-55°C~200°C

ITEM	ID	OD	W	h	ITEM	ID	OD	W	h
4F-G-350	350	360	5	2	4F-G-430	430	440	5	2
4F-G-355	355	365	5	2	4F-G-435	435	445	5	2
4F-G-360	360	370	5	2	4F-G-440	440	450	5	2
4F-G-365	365	375	5	2	4F-G-445	445	455	5	2
4F-G-370	370	380	5	2	4F-G-450	450	460	5	2
4F-G-375	375	385	5	2	4F-G-455	455	465	5	2
4F-G-380	380	390	5	2	4F-G-460	460	470	5	2
4F-G-385	385	395	5	2	4F-G-465	465	475	5	2
4F-G-390	390	400	5	2	4F-G-470	470	480	5	2
4F-G-395	395	405	5	2	4F-G-475	475	485	5	2
4F-G-400	400	410	5	2	4F-G-480	480	490	5	2
4F-G-405	405	415	5	2	4F-G-485	485	495	5	2
4F-G-410	410	420	5	2	4F-G-490	490	500	5	2
4F-G-415	415	425	5	2	4F-G-495	495	505	5	2
4F-G-420	420	430	5	2	4F-G-500	500	510	5	2
4F-G-425	425	435	5	2	4F-GS-160	160	165	2.5	1.25

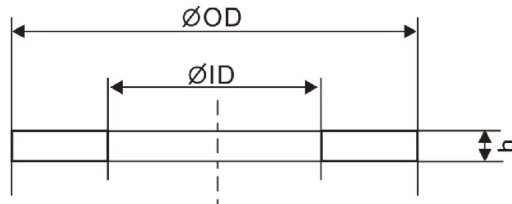
HY-P BACKUP RING



APPLICATION	
MATERIAL	HY
TEMP.	-40°C~100°C

ITEM	ID	OD	h	ITEM	ID	OD	h
HY-P-010	10	13	1.25	HY-P-090	90	100	1.9
HY-P-015	15	19	1.25	HY-P-095	95	105	1.9
HY-P-020	20	24	1.25	HY-P-100	100	110	1.9
HY-P-025	25	31	1.25	HY-P-105	105	115	1.9
HY-P-040	40	46	1.25	HY-P-110	110	120	1.9
HY-P-042	42	48	1.25	HY-P-115	115	125	1.9
HY-P-044	44	50	1.25	HY-P-120	120	130	1.9
HY-P-045	45	51	1.25	HY-P-125	125	135	1.9
HY-P-050	50	56	1.25	HY-P-130	130	140	1.9
HY-P-049	49	55	1.5	HY-P-131	131	141	1.9
HY-P-048A	48	58	1.9	HY-P-135	135	145	1.9
HY-P-050A	50	60	1.9	HY-P-140	140	150	1.9
HY-P-053	53	63	1.9	HY-P-145	145	155	1.9
HY-P-055	55	65	1.9	HY-P-150	150	160	1.9
HY-P-056	56	66	1.9	HY-P-152	152	162	1.9
HY-P-058	58	68	1.9	HY-P-172	172	182	1.9
HY-P-060	60	70	1.9	HY-P-192	192	202	1.9
HY-P-062	62	72	1.9	HY-P-145A	145	160	2.1
HY-P-063	63	73	1.9	HY-P-195	195	210	2.1
HY-P-065	65	75	1.9	HY-P-110	110	120	2.5
HY-P-067	67	77	1.9	HY-P-115	115	125	2.5
HY-P-070	70	80	1.9	HY-P-125	125	135	2.5
HY-P-071	71	81	1.9	HY-P-155	155	170	2.5
HY-P-075	75	85	1.9	HY-P-150	150		2.75
HY-P-078	78	88	1.9	HY-P-160	160	175	2.75
HY-P-080	80	90	1.9	HY-P-170	170	185	2.75
HY-P-085	85	95	1.9	HY-P-180	180	195	2.75

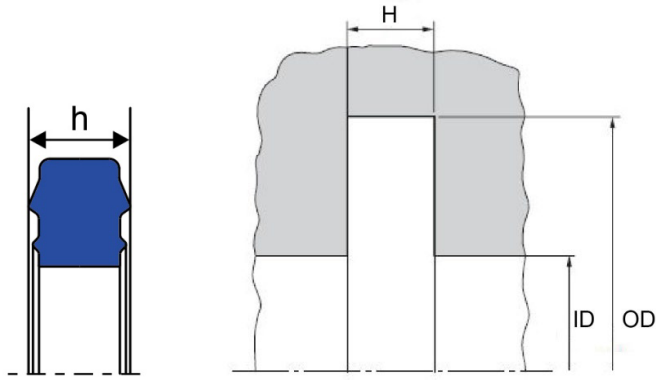
HY-G BACKUP RING



APPLICATION	
MATERIAL	HY
TEMP.	-40°C~100°C

ITEM	ID	OD	h	ITEM	ID	OD	h
HY-G-025	25	30	1.25	HY-G-106	106	111	1.25
HY-G-030	30	35	1.25	HY-G-106	106	111	1.5
HY-G-035	35	40	1.25	HY-G-108	108	113	1.25
HY-G-038	38	43	1.25	HY-G-110	110	115	1.25
HY-G-040	40	45	1.25	HY-G-110	110	115	1.9
HY-G-045	45	50	1.25	HY-G-110A	110	115	1.5
HY-G-045A	45	50	1.5	HY-G-115	115	120	1.25
HY-G-050	50	55	1.25	HY-G-115A	115	120	1.5
HY-G-050A	50	55	1.5	HY-G-116	116	121	1.25
HY-G-051	51	56	1.25	HY-G-120	120	125	1.25
HY-G-055	55	60	1.25	HY-G-120A	120	125	1.5
HY-G-055A	55	60	1.5	HY-G-125	125	130	1.25
HY-G-056	56	61	1.25	HY-G-125A	125	130	1.5
HY-G-058	58	63	1.25	HY-G-126	126	131	1.25
HY-G-060	60	65	1.25	HY-G-126A	126	131	1.5
HY-G-060A	60	65	1.5	HY-G-128	128	133	1.25
HY-G-065	65	70	1.25	HY-G-130	130	135	1.25
HY-G-065A	65	70	1.5	HY-G-130A	130	135	1.5
HY-G-066	66	71	1.25	HY-G-135	135	140	1.25
HY-G-070	70	75	1.25	HY-G-135A	135	140	1.5
HY-G-070A	70	75	1.5	HY-G-136	136	141	1.25
HY-G-071	71	76	1.25	HY-G-140	140	145	1.25
HY-G-075	75	80	1.25	HY-G-140A	140	145	1.5
HY-G-075A	75	80	1.5	HY-G-145	145	150	1.25
HY-G-076	76	81	1.25	HY-G-145A	145	150	1.5
HY-G-080	80	85	1.25	HY-G-155	155	165	1.9
HY-G-080	80	85	1.9	HY-G-155A	155	165	1.5
HY-G-080A	80	85	1.5	HY-G-160	160	170	1.9
HY-G-081	81	86	1.25	HY-G-160A	160	170	1.5
HY-G-085	85	90	1.25	HY-G-160A	160	170	2.5
HY-G-085	85	90	1.9	HY-G-161	161	170.56	1.95
HY-G-085A	85	90	1.5	HY-G-165	165	175	1.9
HY-G-086	86	91	1.25	HY-G-170	170	180	1.9
HY-G-090	90	95	1.25	HY-G-175	175	185	1.9
HY-G-090	90	95	1.9	HY-G-180	180	190	1.9
HY-G-090A	90	95	1.5	HY-G-180A	180	190	2.5
HY-G-091	91	96	1.25	HY-G-185	185	195	1.9
HY-G-095	95	100	1.25	HY-G-190	190	200	1.9
HY-G-095	95	100	1.9	HY-G-195	195	205	1.9
HY-G-095A	95	100	1.5	HY-G-200	200	210	1.9
HY-G-096	96	101	1.25	HY-G-205A	205	215	2.5
HY-G-100	100	105	1.25	HY-G-210	210	220	1.9
HY-G-100A	100	105	1.5	HY-G-220	220	230	1.9
HY-G-105	105	110	1.25	HY-G-250	250	260	1.9
HY-G-105A	105	110	1.5				

STATIC SEAL-HR



APPLICATION	
MATERIAL	PU
TEMP.	-35°C~100°C
PRESSURE	500kgf/cm ²

ITEM	ID	OD	h	L
HR-006	6	12	2.4	1.9
* HR-008	8	14	2.4	1.9
HR-010	10	16	2.4	1.9
HR-012	12	18	2.4	1.9
* HR-014	14	21	2.4	1.9
HR-016	16	23	2.4	1.9
HR-020	20	27	2.4	1.9
* HR-024	24	30	2.4	1.9
HR-025	25	33	3	2.4
HR-027	27	35	2.8	2.6
* HR-030	30	38	2.4	1.9
HR-032	32	40	3	2.4
HR-040	40	48	3	2.4
* HR-045	45	53	3	2.4
* HR-050	50	58	3.1	2.5

PTFE FITTING



APPLICATION	
MATERIAL	PTFE+NBR
Applicable models	FURUKAWA

ITEM	ID	OD	MODEL
18*18	18	18	HB-F1
20*20	20	20	HB-F2
22*22	22	22	HB-F3
24*24	24	24	HB-F4
24*26	24	26	HB-F5
20*30	20	30	HB-10G
25.5*35	25.5	35	HB-20G, GT80
28*38	28	38	HB-30G



Applicable models	FURUKAWA
-------------------	----------

ITEM	ID	OD	MODEL
7*10	7	10	HB-0.5G
7*12	7	12	HB-3G,5G,8G
9*14	9	14	HB-F4,F5,F3
7*18	7	18	HB-8G
10*20	10	20	HB-F2
11*22	11	22	HB-F3
12*24	12	24	HB-F4,F3
12*26	12	26	HB-F5
14.5*30	14.5	30	HB-10G
13*35	13	35	HB-20G, GT80
13.9*38	13.9	38	HB-30G

FITTING



APPLICATION	
MATERIAL	PTFE

ITEM	OD	ID	h
4FR-015	15	14	1.8
4FR-017	17	15	1.9
4FR-018	18	15	1.9
4FR-020	20	17	1.9
4FR-021	21	18	1.9
4FR-022	22	20	1.9
4FR-023	23	20	1.9
4FR-025	25	22	1.9
4FR-027	27	24	1.9
4FR-029	29	26	1.9
4FR-022	22	19	2.75
4FR-028	28	25	2.75
4FR-030	30	27	2.75
4FR-033	33	30	2.75
4FR-035	35	32	2.75
4FR-037	37	34	2.75
4FR-038	38	35.3	2.7
4FR-040	40	36	2.75
4FR-043	43	40	2.8
4FR-043.5	43.5	41	2.7
4FR-045	45	42	2.75
4FR-048	48	45	2.75
4FR-050	50	47	2.75
4FR-051	51	48.2	2.85
4FR-055	55	52	2.7
4FR-055.5	55.5	53	2.7
4FR-057	57	54	2.75
4FR-059	59	56	2.7
4FR-059.5	59.5	57	2.7
4FR-063	63	60	2.75
4FR-065	65	62	2.75
4FR-073	73	70	2.75
4FR-076	76	73	2.75
4FR-083	83	80	2.75
4FR-088	88	85	2.75
4FR-090	90	87.5	2.75
4FR-103	103	100	2.75
4FR-105	105	102.5	2.75
4FR-109.6	109.6	113.6	4.55
4FR-120	120	124	4.5
4FR-140	140	143.8	4.4
4FR-054	54	53	5

FITTING



APPLICATION	
MATERIAL	NBR

ITEM	ID	W	h	MODEL
G-SEAL F22	19.8	23.2	14	GB8AT
G-SEAL F26	24.7	27.3	20.5	SB-050
G-SEAL F27	24.4	29	24.5	SB-151,175
G-SEAL F31	28.8	32.3	25.3	GB8AT
G-SEAL F36	35.5	38.3	25	SB-151,175



APPLICATION	
MATERIAL	PTFE+NBR

ITEM	ID	OD	h	MODEL
導管-35*50	35	50	30	SB-195

BREAKER KIT



BRAND	DESCRIPTION	ITEM
FURUKAWA	HB-10G	K-T-BK-FRHB-10G
	HB-20G	K-C-BK-FRHB-20G
	HB30G	K-E-BK-HB30G
	HB-F35	K-T-BK-FRHB-F35

※The above does not contain the control valve accessories

BRAND	DESCRIPTION	ITEM
TOKU	150LU (41567580D)	K-C-BK-TNB150LU
	1M	K-C-BK-TNB-1M
	2M	K-C-BK-TNB-2M
	3M	K-C-BK-TNB-3M
	4E	K-T-BK-TNB-4E
	14E	K-T-BK-TNB-14E

BRAND	DESCRIPTION	ITEM
SOOSAN	SB-040	K-C-BK-SS-SB040
	SB-050	K-C-BK-SS-SB050
	SB-081	K-C-BK-SS-SB081
	SB-121	K-C-BK-SS-SB121
	SB-151/175	K-S-BK-S-SB151

BRAND	DESCRIPTION	ITEM
NPK	0.6X	K-T-BK-NPK06X
	0.8X	K-T-BK-NPK08X
	10H-XB	K-T-BK-NPK10H-XB
	10H-XB	K-T-BK-NPK10H-XB-1
	H7X	K-E-BK-NPKH7X
	0.7X	K-T-BK-NPK07X
	H10X	K-E-BK-NPKH10X
	H12X	K-E-BK-H12X

BRAND	DESCRIPTION	ITEM
OKADA	OUB-303A	K-T-BK-OKA-OUB-303A
	TOP10	K-T-BK-OKA-TOP10
	TOP300	K-T-BK-OKA-TOP300

GENERAL	GB8AT	K-C-BK-GB-GB8AT
---------	-------	-----------------



PETSEALS INDUSTRIES LTD.

ADD: No.9, Ln.229, Sec. 1, Zhongshan Rd.,

Wuri Dist., Taichung City 414, Taiwan

TEL : 886-4-23367239 FAX : 886-4-23366057

E-mail: petseals@petseals.com