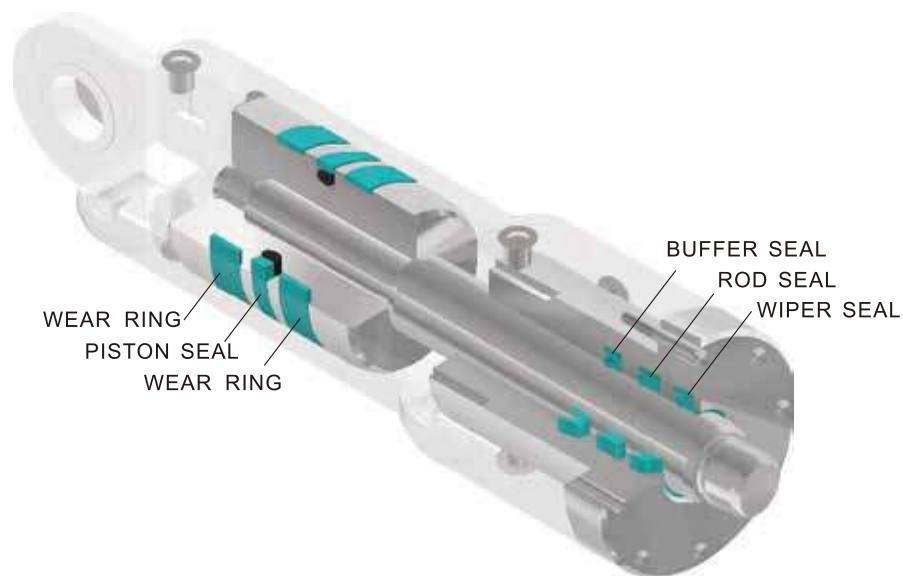




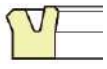
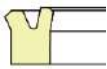
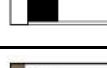
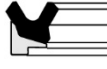
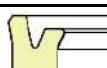
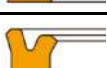
HYDRAULIC SEALS FOR HEAVY DUTY MACHINES

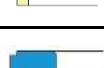
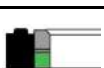


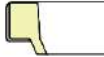
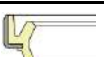
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Ver : 2026

INDEX

ITEM	PROFILE	TYPE	MATERIAL	TEMPERATURE	PRESSURE (kgf/cm ²)	SPEED (m/s)	PAGE
PISTON SEAL		TSI	PU	-40°C ~ 120°C	300	1	1-2
		TDI	PU	-40°C ~ 120°C	300	1	3-4
		TGW	PTFE+NY+NBR	-40°C ~ 110°C	500	1.5	5-6
		TAS	POM+HY+NBR	-30°C ~ 100°C	400	0.5	7-10
		NCF	(NBR.CANVAS)+NY	-30°C ~ 100°C	350	0.5	11
		TK	NY+NBR	-35°C ~ 110°C	500	1	12-13
		TGA	NY+NBR	-35°C ~ 110°C	350	1.5	14
		TGI	PU+NBR	-30°C ~ 110°C	350	1.5	15-16
		TD	PTFE+NBR	-35°C ~ 110°C	350	1.5	17-18
		DT	PTFE+NBR	-35°C ~ 110°C	350	1.5	
		TG	PTFE+NBR	-40°C ~ 110°C	350	1.5	19-20
		TG2	PTFE+NBR	-40°C ~ 110°C	-	0.5	20
		TGO	PTFE+NBR	-35°C ~ 110°C	350	1.5	21-22
		ST	PTFE+NBR	-30°C ~ 100°C	250	3	23
		PTU	PU+NY	-40°C ~ 110°C	350	1	24
			NBR+NY	-35°C ~ 110°C	350	1	
		OU2	-	-	-	-	25-26
ROD SEAL		RUN	PU	-40°C ~ 120°C	350	1	27-29
		RUK	PU	-40°C ~ 120°C	350	1	30-32
		RU2	PU	-40°C ~ 120°C	400	1	33-44
		RXB	PU+NBR+POK	-40°C ~ 120°C	500	0.5	45
		RP2	PU+NBR+POM	-40°C ~ 120°C	500	1	46-48

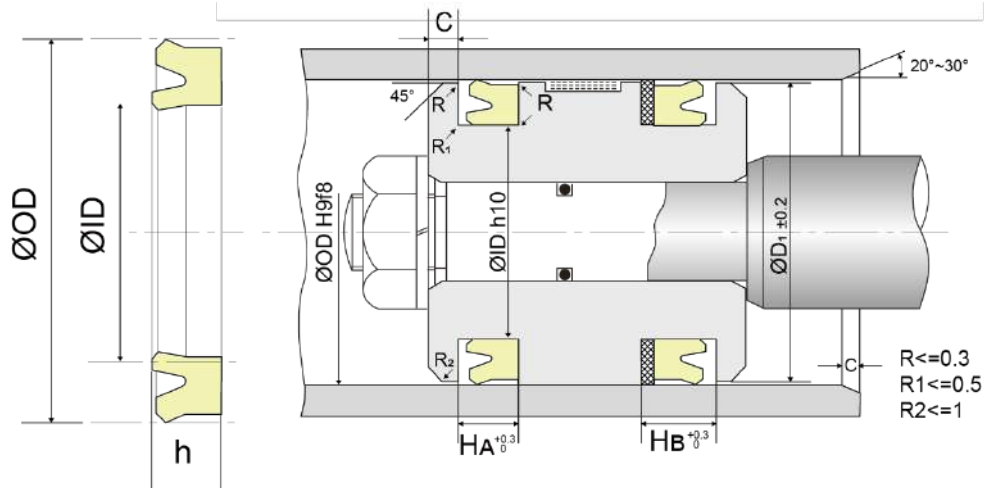
ITEM	PROFILE	TYPE	MATERIAL	TEMPERATURE	PRESSURE (kgf/cm ²)	SPEED (m/s)	PAGE
ROD SEAL		RV2	PU+NBR	-40°C ~ 120°C	400	1	49
		RUH	PU	-40°C ~ 120°C	350	1	50-51
			NBR	-35°C ~ 110°C	210	1	
		RKH	PU	-40°C ~ 120°C	350	1	52
		RUS	PU	-40°C ~ 120°C	300	1	53-54
		IUIS	PU	-55°C~120°C	300	300	55
		SPNO	PTFE+NBR	-35°C ~ 110°C	350	1.5	56
		UHR	NBR	-30°C ~ 100°C	140	0.5	57
		RUY	NBR	-30°C ~ 100°C	175	1	57
PISTON/ROD SEAL		UA2	PU	-35°C ~ 100°C	210	1	58-64
		UA	NBR	-25°C ~ 100°C	140	1	65-67
		UPI	PU	-35°C ~ 100°C	300	1	68-73
		UPH	NBR	-25°C ~ 100°C	150	1	74-80
		RZ2	HY+NBR	-40°C ~ 100°C	400	1	81
		RX2	PU+NBR	-40°C ~ 120°C	400	1	82-83
BUFFER SEAL		KBY	PU	-40°C ~ 120°C	400	1	84
		FB2	PU+NY	-40°C ~ 120°C	400	1	85
		FI	PU	-40°C ~ 100°C	350	1	86
		FI-2	PU	-40°C ~ 100°C	350	1	86
		L-TYPE	PTFE+NBR	-40°C ~ 110°C	350	1.5	87-90
		K-TYPE	PTFE+NBR	-40°C ~ 110°C	350	1.5	91
		KN-TYPE	PTFE+NY+NBR	-40°C ~ 110°C	350	1.5	92

ITEM	PROFILE	TYPE	MATERIAL	TEMPERATURE	PRESSURE (kgf/cm ²)	SPEED (m/s)	PAGE
WIPER SEAL		DI2	PU+STEEL	-35°C ~ 100°C	-	1	93
		DW2	PU+STEEL	-40°C ~ 100°C	-	1	94
		DW4	PU+STEEL	-40°C ~ 100°C	-	1	95
		PA	PU+STEEL	-40°C ~ 110°C	-	1	96-97
		PAK	PU+STEEL	-40°C ~ 110°C	-	1	98
		DK4	PU+STEEL	-40°C ~ 110°C	-	1	99
		DKBZ	PU+STEEL	-40°C ~ 110°C	-	1	100
		DK6	PU+STEEL	-40°C ~ 110°C	-	1	101
		DK8	PU+STEEL	-40°C ~ 110°C	-	1	102
		DKN	NBR+STEEL	-30°C ~ 100°C	-	-	103-104
		DA2	NBR+STEEL	-35°C ~ 80°C	-	-	105-106
		DS2	PU	-40°C ~ 100°C	-	1	107
		DH2	PU	-35°C ~ 100°C	-	1	108-111
		LPI	PU	-40°C ~ 100°C	-	1	112
		LBR	PU	-45°C ~ 100°C	-	0.5	113
		LBN2	NBR	-35°C ~ 100°C	-	1	114-116
		DC2	NBR	-40°C ~ 100°C	-	1	117
		LW3	NBR	-30°C ~ 100°C	-	1	118
		WR13	PTFE+NBR	-30°C ~ 100°C	-	4	119
PIN DUST SEAL		DL2	PU+STEEL	-45°C ~ 100°C	-	-	120-121
		DWP	NBR+STEEL	-30°C ~ 100°C	-	1	122
		VAY	NBR+STEEL	-30°C ~ 80°C	-	-	123
		PPY	PU+STEEL	-45°C ~ 100°C	-	-	124
		PP2Y	NBR+STEEL	-30°C ~ 80°C	-	-	
BUCKET ORING							125-126

ITEM	PROFILE	TYPE	MATERIAL	TEMPERATURE	PRESSURE (kgf/cm ²)	SPEED (m/s)	PAGE
ROD SEAL BACKUP RING		NY	NY	-40°C ~ 120°C	-	-	127
		PTFE	PTFE	-55°C ~ 200°C	-	-	128
BACKUP RING		PU-P,G	PU	-35°C ~ 100°C	-	-	129
		HY-P,G,HY	HY	-40°C ~ 100°C	-	-	130-134
		4F-P,G	PTFE	-55°C ~ 200°C	-	-	135-139
PISTON SEAL BACKUP RING		N4W	NY	-40°C ~ 120°C	-	1.5	140
WEAR RING		SLIDE RING	PTFE	-55°C ~ 200°C	-	3	141
		WRFC	PTFE	-55°C ~ 200°C	-	1.5	142-143
		WRPF	PEI+FIBER	-50°C ~ 170°C	-	1	144-145
		WRNF	NY+FIBER	-50°C ~ 120°C	-	1	146-157
		WRL	POM	-35°C ~ 100°C	-	1	158
CUSHION SEAL		N4B	PEI+FIBER	-50°C ~ 120°C	-	1.5	159
			NY+GF	-40°C ~ 120°C	-	1.5	
OIL SEAL		TCV	NBR+STEEL	-15°C ~ 80°C	3	-	160-161
			FKM+STEEL	-15°C ~ 150°C	3	-	
		ISP1D	NBR+STEEL	-15°C ~ 60°C	3	-	162-163
			FKM+STEEL	-15°C ~ 120°C	3	-	
		TCN	NBR+STEEL	-15°C ~ 70°C	10	-	164-165
		TCZ	NBR+STEEL	-15°C ~ 60°C	20	-	166
			FKM+STEEL	-15°C ~ 120°C	20	-	
		DCY	NBR+STEEL	-30°C ~ 60°C	0.3	-	167
			FKM+STEEL	-15°C ~ 150°C	0.3	-	
SWING SEAL		TAY etc.	-	-	-	-	168-169
D-RING		DRP DRI	-	-	-	-	170
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PILOT VALVE SEAL		LBH etc.	-	-	-	-	174
CENTER JOINT SEAL		SPNRI	-	-	-	-	175-178
		ROI etc.	-	-	-	-	
SEAL KITS							179-180

HY: HYTREL NY: NYLON PU:POLYURETHANE

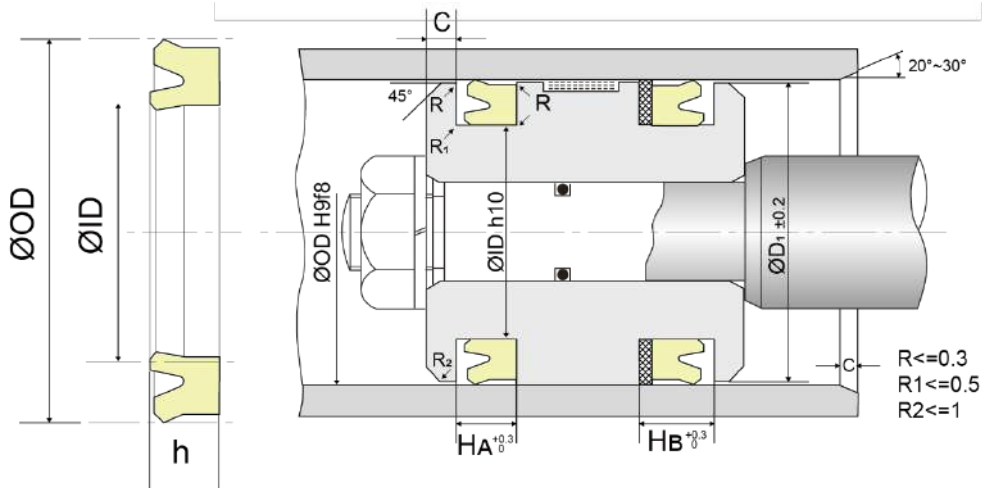
TSI PISTON SEAL



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

ITEM	OD	ID	h	D1	HA	HB	C
TSI-040	40	30	6	39	7	10	2.5
TSI-045	45	35	6	44	7	10	2.5
TSI-050	50	40	6	49	7	10	2.5
TSI-055	55	45	6	54	7	10	2.5
TSI-060	60	50	6	59	7	10	2.5
TSI-063	63	53	6	62	7	10	2.5
TSI-065	65	55	6	64	7	10	2.5
TSI-070	70	60	6	69	7	10	2.5
TSI-071	71	61	6	70	7	10	2.5
TSI-075	75	65	6	74	7	10	2.5
TSI-080	80	70	6	79	7	10	2.5
TSI-080	80	71	6	79	7	10	2.5
TSI-085	85	75	6	84	7	10	2.5
TSI-090	90	80	6	89	7	10	2.5
* TSI-130	130	115	6				
TSI-140	140	130	6				
* TSI-056	56	45	7	55	8	11	2.5
* TSI-130	130	115	8.5	128	9.5	12.5	4.5
* TSI-150	150	136	8.5	148	9.5	12.5	4
TSI-100	100	85	9	98	10	13	4
TSI-105	105	90	9	103	10	13	4
TSI-110	110	95	9	108	10	13	4
* TSI-115	115	100	9	113	10	13	4
TSI-120	120	105	9	118	10	13	4
TSI-125	125	112	9	123	10	13	4
* TSI-130	130	115	9	128	10	13	4
TSI-140	140	125	9	138	10	13	4
TSI-150	150	135	9	148	10	13	4
TSI-160	160	145	9	158	10	13	4
* TSI-170	170	155	9	168	10	14	4
* TSI-175	175	160	9	173	10	14	4
TSI-180	180	165	9	178	10	14	4
* TSI-190	190	175	9	188	10	14	4
* TSI-200	200	180	12	198	13	17	5
* TSI-220	220	200	12	218	13	17	5

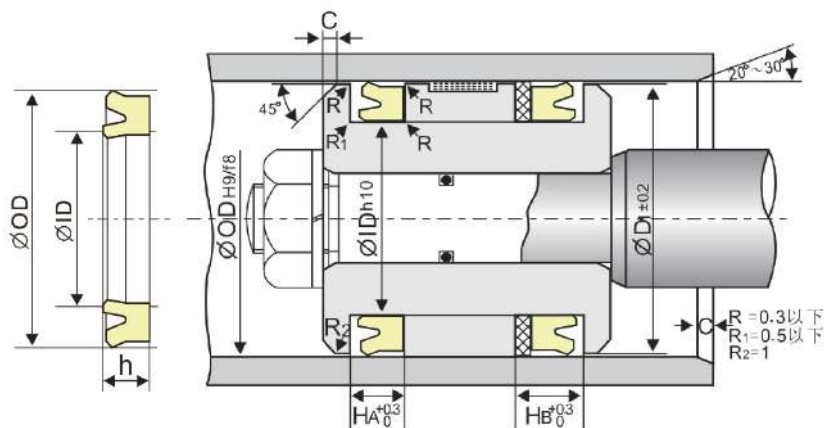
TSI PISTON SEAL



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

ITEM	OD	ID	h	D1	HA	HB	C
* TSI-224	224	204	12	222	13	17	5
* TSI-225	225	205	12	223	13	17	5
* TSI-250	250	230	12	248	13	17	5
* TSI-260	260	240	12	258	13	17	5
* TSI-280	280	255	16	278	17	21	6.5
* TSI-300	300	275	16	298	17	21	6.5
* TSI-320	320	295	16				

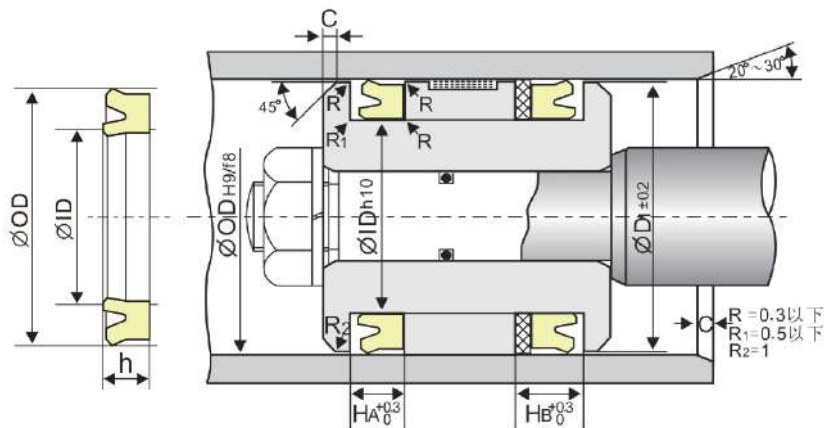
TDI PISTON SEAL



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

ITEM	OD	ID	h
TDI-030	30	20	6
* TDI-025	25	17	5.7
* TDI-032	32	24	5.7
* TDI-040	40	32	5.7
* TDI-050	50	42	5.7
* TDI-063	63	55	5.7
* TDI-080	80	70	6.8
* TDI-040	40	30	7.3
* TDI-045	45	35	7.3
* TDI-050	50	40	7.3
* TDI-055	55	45	7.3
* TDI-060	60	50	7.3
* TDI-063	63	53	7.3
* TDI-065	65	55	7.3
TDI-035	35	25	8
* TDI-071	71	61	8
TDI-080	80	70	8
* TDI-110	110	100	8
* TDI-075	75	67	8.8
TDI-065	65	50	9
TDI-070	70	55	9
TDI-080	80	65	9
* TDI-085	85	70	9
TDI-095	95	80	9
TDI-125	125	110	9
* TDI-125	125	110	9.6
* TDI-033	33	20	10
TDI-100	100	80	10
TDI-100	100	85	10
* TDI-110	110	95	10
* TDI-080	80	65	11.4
* TDI-090	90	75	11.4
* TDI-100	100	85	11.4
* TDI-035	35	20	12
* TDI-040	40	25	12
* TDI-045	45	30	12

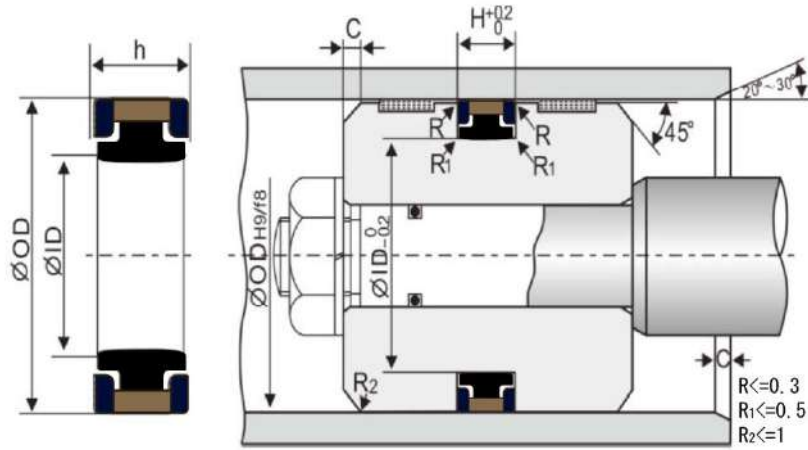
TDI PISTON SEAL



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

ITEM	OD	ID	h
* TDI-050	50	35	12
* TDI-060	60	45	12
* TDI-065	65	50	12
* TDI-070	70	55	12
TDI-075	75	60	12
* TDI-085	85	70	12
* TDI-095	95	80	12
* TDI-120	120	110	12
TDI-135	135	115	12
* TDI-140	140	120	12
* TDI-150	150	130	12
* TDI-160	160	140	12
* TDI-150	150	140	13.6
* TDI-125	125	105	14.5
* TDI-200	200	180	14.5
* TDI-120	120	100	15
* TDI-160	160	140	15
* TDI-220	220	200	15
* TDI-250	250	230	15
* TDI-060	60	35	15.5
* TDI-070	70	45	15.5
TDI-080	80	47	16
TDI-090	90	65	18
* TDI-100	100	75	18
* TDI-180	180	150	18
* TDI-160	160	140	18.2
* TDI-250	250	225	18.2
* TDI-170	170	145	19
* TDI-185	185	160	19
* TDI-300	300	270	19
TDI-320	320	290	24

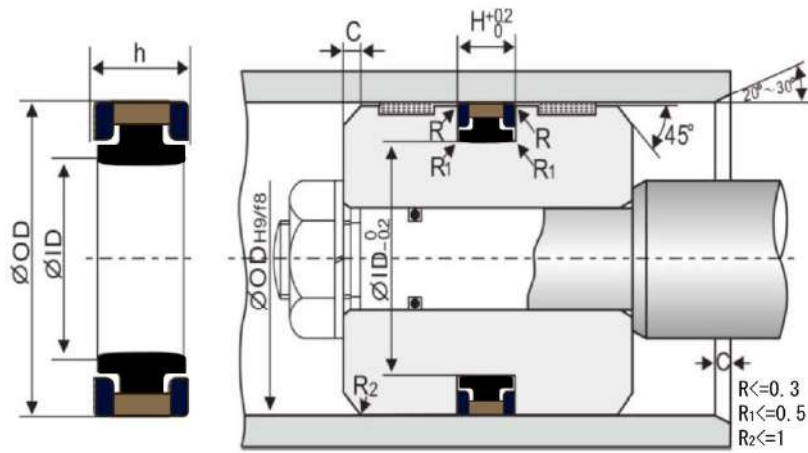
TGW PISTON SEAL



APPLICATION	
MATERIAL	PTFE+NY+NBR
TEMP.	-30°C~120°C
PRESSURE	500kgf/cm ²
SPEED	1.5m/s

ITEM	OD	ID	h	H	C
TGW-063	63	53	8.0	8.5	
TGW-040	40	26	8.5	9.0	4.0
TGW-050	50	36	8.5	9.0	4.0
TGW-055	55	41	8.5	9.0	4.0
TGW-060	60	46	8.5	9.0	4.0
TGW-065	65	51	8.5	9.0	4.0
TGW-065	65	50	10.5	11.0	5.0
TGW-070	70	55	10.5	11.0	5.0
TGW-075	75	60	10.5	11.0	5.0
TGW-080	80	65	10.5	11.0	5.0
TGW-085	85	70	10.5	11.0	5.0
TGW-090	90	75	10.5	11.0	5.0
TGW-095	95	80	10.5	11.0	5.0
TGW-080	80	65	12.0	12.5	5.0
TGW-090	90	75	12.0	12.5	5.0
TGW-100	100	85	12.0	12.5	5.0
TGW-105	105	90	12.0	12.5	5.0
TGW-110	110	95	12.0	12.5	5.0
TGW-115	115	100	12.0	12.5	5.0
TGW-120	120	105	12.0	12.5	5.0
TGW-080	80	65	12.5	13.0	6.5
TGW-090	90	75	12.5	13.0	6.5
TGW-160	160	145	12.5	13.0	6.5
TGW-125	125	102	15.5	16.0	6.5
TGW-130	130	107	15.5	16.0	6.5
TGW-135	135	112	15.5	16.0	6.5
TGW-140	140	117	15.5	16.0	6.5
TGW-145	145	122	15.5	16.0	6.5
TGW-150	150	127	15.5	16.0	6.5
TGW-155	155	132	15.5	16.0	6.5
TGW-160	160	137	15.5	16.0	6.5
TGW-165	165	142	15.5	16.0	6.5
TGW-170	170	147	15.5	16.0	6.5
* TGW-175	175	152	15.5	16.0	6.5
TGW-180	180	157	15.5	16.0	6.5
TGW-185	185	162	15.5	16.0	6.5

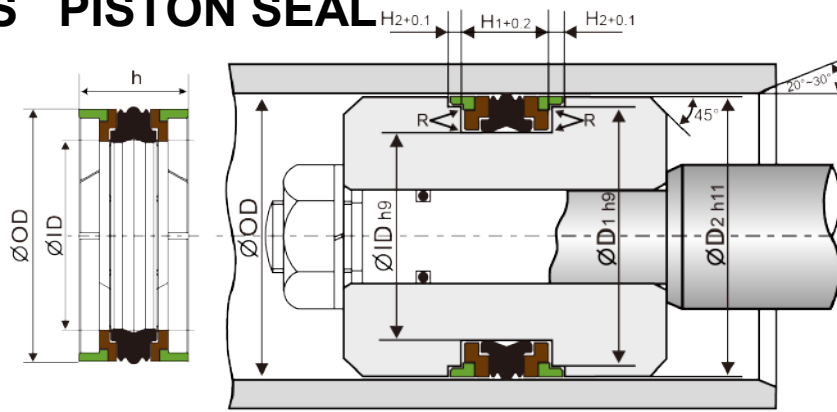
TGW PISTON SEAL



APPLICATION	
MATERIAL	PTFE+NY+NBR
TEMP.	-30°C~120°C
PRESSURE	500kgf/cm ²
SPEED	1.5m/s

ITEM	OD	ID	h	H	C
TGW-190	190	167	15.5	16.0	6.5
TGW-200	200	177	15.5	16.0	6.5
* TGW-210	210	187	15.5	16.0	6.5
* TGW-215	215	192	15.5	16.0	6.5
* TGW-220	220	197	15.5	16.0	6.5
TGW-225	225	202	15.5	16.0	6.5
TGW-230	230	207	15.5	16.0	6.5
TGW-230	230	210	15.5	16.0	6.5
* TGW-240	240	217	15.5	16.0	6.5
TGW-250	250	222	17.0	17.5	6.5
TGW-260	260	232	17.0	17.5	7.5
* TGW-270	270	242	17.0	17.5	7.5
* TGW-280	280	252	17.0	17.5	7.5
* TGW-290	290	262	17.0	17.5	7.5
TGW-300	300	272	17.0	17.5	7.5
TGW-320	320	292	17.0	17.5	7.5
TGW-330	330	302	17.0	17.5	7.5
* TGW-170	170	155	17.0	17.5	6.5
TGW-170	170	155	17.7	18.2	
TGW-135	135	118	20.0	20.5	
TGW-250	250	230	21.2	21.5	7.5
TGW-200	200	169	23.3	28.3	
TGW-250	250	212.5	25.5	30	
TGW-300	300	262.5	25.5	30	

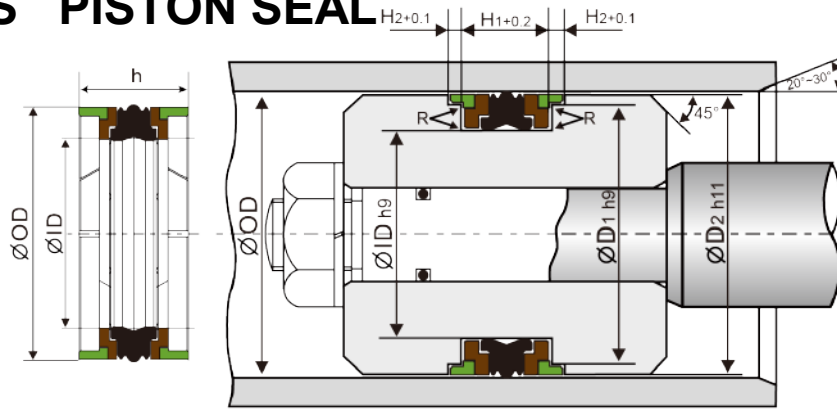
TAS PISTON SEAL



APPLICATION	
MATERIAL	POM+HY+NBR
TEMP.	-30°C~100°C
PRESSURE	400kgf/cm ²
SPEED	0.5m/s

ITEM	OD	ID	H1	H2	h
TAS-020	20	11	13.5	2.1	17.7
TAS-022	22	13	13.5	2.1	17.7
TAS-025	25	15	12.5	4	20.5
* TAS-025	25	15	16.4	6.35	29.1
* TAS-025	25	16	13.5	2.1	17.7
* TAS-025	25	15	12.5	4	20.5
* TAS-028	28	19	13.5	2.1	17.7
TAS-030	30	21	13.5	2.1	17.7
* TAS-030	30	17	15.4	6.35	28.1
* TAS-032	32	24	15.5	3.2	21.9
TAS-032	32	22	16.4	6.35	29.1
TAS-032	32	22	15.5	2.6	20.7
* TAS-032	32	22	12.5	4	20.5
* TAS-032	32	24	10	4	18
TAS-035	35	25	15.5	2.6	20.7
TAS-035	35	25	16.4	6.35	29.1
* TAS-035	35	27	15.5	3.2	21.9
* TAS-035	35	27	15.5	6.4	28.3
* TAS-040	40	26	15.5	2.6	20.7
TAS-040	40	30	12.5	4	20.5
TAS-040	40	30	16.4	6.35	29.1
TAS-040	40	24	18.4	6.35	31.1
TAS-040	40	32	15.5	3.2	21.9
* TAS-040	40	30	10	5	20
* TAS-042	42	28	15.5	2.6	20.7
TAS-045	45	35	16.4	6.35	29.1
TAS-045	45	29	18.4	6.35	31.1
TAS-045	45	31	15.5	2.6	20.7
* TAS-045	45	37	15.5	3.2	21.9
* TAS-045	45	37	15.5	6.4	28.3
TAS-050	50	38	20.5	4.2	28.9
TAS-050	50	34	20.5	3.1	26.7
TAS-050	50	34	18.4	6.35	31.1
* TAS-050	50	35	20	5	30
* TAS-050	50	40	12.5	4	20.5
TAS-055	55	39	20.5	3.1	26.7
TAS-055	55	39	18.4	6.35	31.1
* TAS-055	55	45	12.5	4	20.5
* TAS-056	56	40	20.5	3.1	26.7
TAS-060	60	48	20.5	4.2	28.9

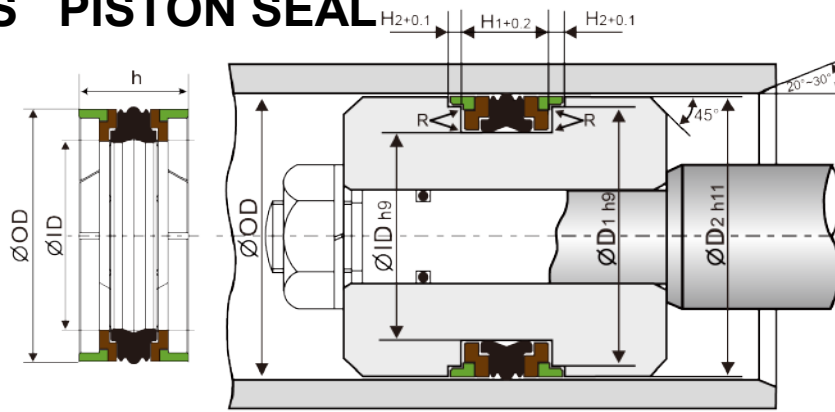
TAS PISTON SEAL



APPLICATION	
MATERIAL	POM+HY+NBR
TEMP.	-30°C~100°C
PRESSURE	400kgf/cm ²
SPEED	0.5m/s

ITEM	OD	ID	H1	H2	h
TAS-060	60	44	20.5	3.1	26.7
TAS-060	60	44	18.4	6.35	31.1
* TAS-060	60	50	17	4	25
* TAS-063	63	53	12.5	4	20.5
TAS-063	63	51	20.5	4.2	28.9
TAS-063	63	47	20.5	3.1	26.7
TAS-063	63	47	18.4	6.35	31.1
TAS-063	63	47	19.4	6.35	32.1
* TAS-063	63	48	20	3.1	26.2
* TAS-063	63	48	20	5	30
TAS-065	65	49	20.5	3.1	26.7
TAS-065	65	50	18.4	6.35	31.1
TAS-065	65	53	20.5	4.2	28.9
TAS-070	70	58	20.5	4.2	28.9
TAS-070	70	54	20.5	3.1	26.7
TAS-070	70	54	18.4	6.35	31.1
TAS-070	70	50	22.4	6.35	35.1
* TAS-070	70	55	20	5	30
* TAS-075	75	59	20.5	3.1	26.7
TAS-075	75	55	22.4	6.35	35.1
* TAS-075	75	63	20.5	4.2	28.9
TAS-080	80	66	22.5	5.2	32.9
TAS-080	80	62	22.5	3.6	29.7
TAS-080	80	60	22.4	6.35	35.1
* TAS-080	80	60	25	6.3	37.6
* TAS-080	80	65	20	5	30
TAS-085	85	65	22.4	6.35	35.1
TAS-090	90	76	22.5	5.2	32.9
TAS-090	90	72	22.5	3.6	29.7
TAS-090	90	70	22.4	6.35	35.1
* TAS-090	90	75	20	5	30
TAS-095	95	75	22.4	6.35	35.1
TAS-100	100	86	22.5	5.2	32.9
TAS-100	100	82	22.5	3.6	29.7
TAS-100	100	75	22.4	6.35	35.1
TAS-100	100	80	25.4	6.35	38.1
TAS-100	100	80	25	6.3	37.6
* TAS-100	100	85	20	5	30
TAS-100	100	86	22.5	5.2	32.9
TAS-105	105	80	22.4	6.35	35.1

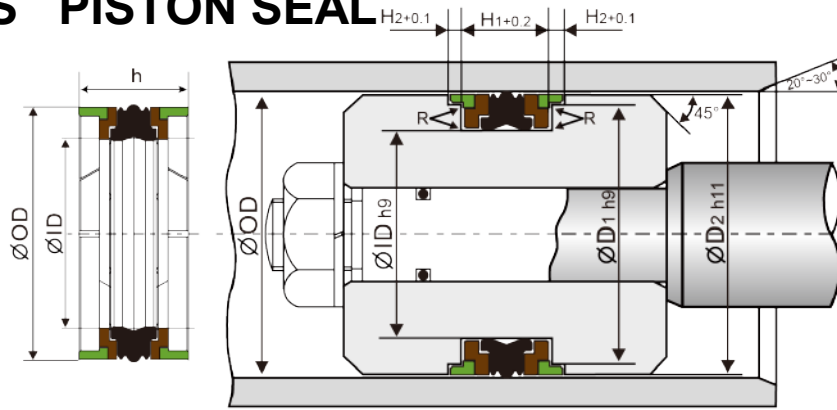
TAS PISTON SEAL



APPLICATION	
MATERIAL	POM+HY+NBR
TEMP.	-30°C~100°C
PRESSURE	400kgf/cm ²
SPEED	0.5m/s

ITEM	OD	ID	H1	H2	h
* TAS-105	105	92.5	14	5.2	24.4
* TAS-110	110	95	20	5	30.0
* TAS-110	110	96	22.5	5.2	32.9
TAS-110	110	92	22.5	3.6	29.7
TAS-110	110	85	22.4	6.35	35.1
* TAS-110	110	85	25.4	6.4	38.2
* TAS-115	115	97	22.5	3.6	29.7
TAS-115	115	90	22.4	6.35	35.1
TAS-120	120	106	22.4	5.2	32.8
TAS-120	120	95	22.4	6.35	35.1
TAS-125	125	103	26.5	5.1	36.7
TAS-125	125	100	25.4	6.35	38.1
* TAS-125	125	100	32	10	52
* TAS-125	125	105	25	6.3	37.6
* TAS-125	125	105	25.4	6.4	38.2
* TAS-125	125	108	26.5	7.2	40.9
TAS-130	130	105	25.4	6.35	38.1
TAS-130	130	105	25.4	9.5	44.4
* TAS-130	130	110	25	6.4	37.8
* TAS-133	133	115	22.4	9.5	41.4
TAS-135	135	110	25.4	6.35	38.1
TAS-135	135	110	25.4	9.5	44.4
* TAS-140	140	118	26.5	5.1	36.7
* TAS-140	140	123	26.5	7.2	40.9
TAS-140	140	115	25.4	6.35	38.1
TAS-140	140	115	25.4	9.5	44.4
* TAS-140	140	120	25	6.3	37.6
TAS-145	145	120	25.4	6.35	38.1
TAS-145	145	120	25.4	9.5	44.4
* TAS-150	150	128	26.5	5.1	36.7
TAS-150	150	125	25.4	6.35	38.1
TAS-150	150	125	25.4	9.5	44.4
* TAS-150	150	133	26.5	7.2	40.9
TAS-155	155	130	25.4	9.5	44.4
TAS-155	155	130	25.4	6.35	38.1
* TAS-160	160	130	25.4	9.5	44.4
TAS-160	160	138	26.5	5.1	36.7
TAS-160	160	135	25.4	9.5	44.4
* TAS-160	160	130	25.4	6.35	38.1

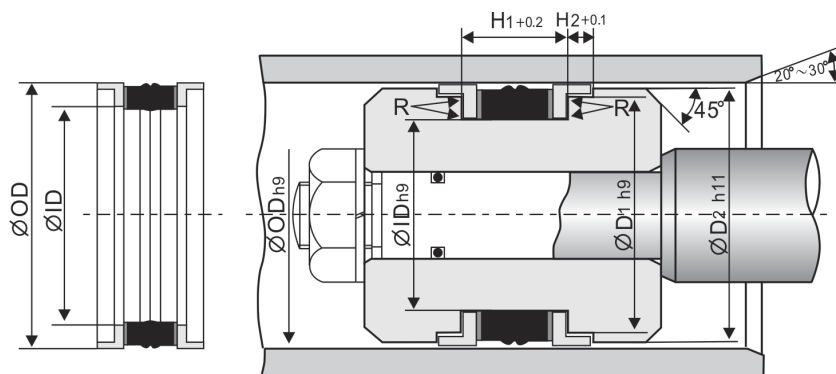
TAS PISTON SEAL



APPLICATION	
MATERIAL	POM+HY+NBR
TEMP.	-30°C~100°C
PRESSURE	400kgf/cm ²
SPEED	0.5m/s

ITEM	OD	ID	H1	H2	h
* TAS-160	160	135	32	10	52
* TAS-160	160	140	25	6.3	37.6
* TAS-160	160	143	26.5	7.2	40.9
TAS-165	165	140	25.4	9.5	44.4
TAS-170	170	145	25.4	12.7	50.8
* TAS-170	170	140	25.4	6.4	38.2
* TAS-170	170	148	26.5	5.1	36.7
TAS-175	175	150	25.4	12.7	50.8
TAS-180	180	155	25.4	12.7	50.8
TAS-180	180	150	35.4	6.35	48.1
* TAS-180	180	150	36	12.5	61
* TAS-180	180	163	26.5	7.2	40.9
TAS-185	185	160	25.4	12.7	50.8
TAS-190	190	165	25.4	12.7	50.8
* TAS-195	195	170	25.4	12.7	50.8
TAS-200	200	175	25.4	12.7	50.8
TAS-200	200	170	35.4	6.35	48.1
* TAS-200	200	170	36	12.5	61
* TAS-200	200	175	31.5	6.6	44.7
* TAS-200	200	180	31.5	9.2	49.9
TAS-210	210	185	25.4	12.7	50.8
* TAS-215	215	190	25.4	12.7	50.8
TAS-220	220	190	35.4	6.35	48.1
TAS-220	220	195	25.4	12.7	50.8
TAS-230	230	205	25.4	12.7	50.8
* TAS-240	240	215	25.4	12.7	50.8
TAS-250	250	220	35.4	6.35	48.1
TAS-250	250	225	25.4	12.7	50.8
* TAS-250	250	220	36	12.5	61
* TAS-250	250	230	31.5	9.2	49.9
* TAS-280	280	250	35.4	9.5	54.4
* TAS-280	280	250	36.4	10	56.4
* TAS-320	320	290	36	12.5	61

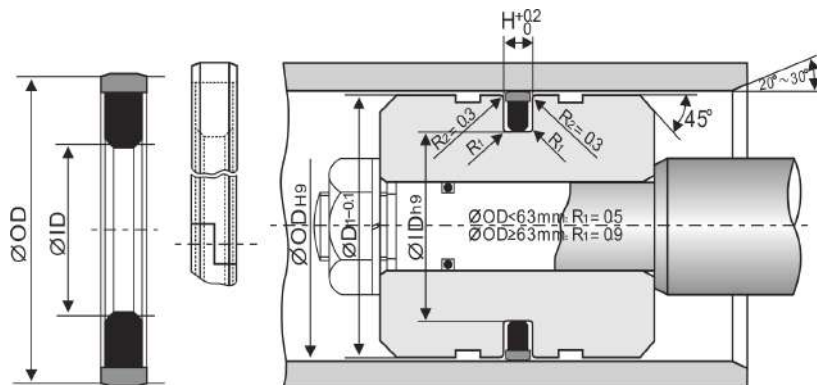
NCF PISTON SEAL



APPLICATION	
MATERIAL	(NBR.CANVAS)+NY
TEMP.	-30°C~100°C
PRESSURE	350kgf/cm ²
SPEED	0.5m/s

ITEM	OD	ID	D1	D2	H1	H2	R max
3pcs							
NCF-090	90	76	86	89.4	22.5	5.2	0.8
NCF-120	120	106	116	119.4	22.5	5.2	0.8
NCF-140	140	123	136	139.4	26.5	7.2	0.8
5pcs							
NCF-090	90	76					
NCF-110	110	96	116	119.4	22.5	5.2	0.8
NCF-120	120	106	116	119.4	22.5	5.2	0.8

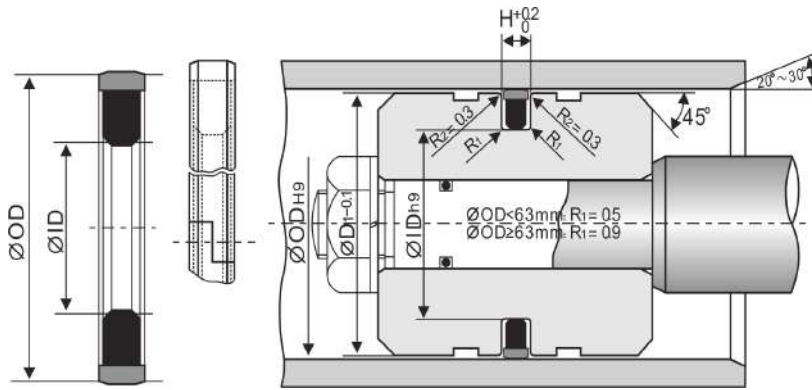
TK PISTON SEAL



APPLICATION	
MATERIAL	NY+NBR
TEMP.	-35°C~110°C
PRESSURE	500kgf/cm ²
SPEED	1m/s

ITEM	OD	ID	H
* TK-32	32	21.0	4.2
* TK-40	40	29.0	4.2
* TK-50	50	39.0	4.2
TK-63	63	52.0	4.2
* TK-50	50	34.5	6.3
TK-63	63	47.5	6.3
TK-80	80	64.5	6.3
TK-90	90	74.5	6.3
TK-95	95	79.5	6.3
TK-100	100	84.5	6.3
TK-105	105	89.5	6.3
* TK-110	110	94.5	6.3
TK-115	115	94.0	6.3
TK-125	125	109.5	6.3
* TK-60	60	41.7	7
* TK-63	63	44.7	7
TK-65	65	46.7	7
TK-70	70	51.7	7
TK-75	75	54	8
TK-80	80	59	8
TK-85	85	64	8
TK-90	90	69	8
TK-95	95	74	8
TK-100	100	79	8
TK-105	105	84	8
TK-110	110	89	8
TK-115	115	94	8
TK-120	120	99	8
TK-125	125	104	8
TK-130	130	109	8
TK-135	135	114	8
TK-140	140	119	8
TK-145	145	124	8
TK-150	150	129	8
TK-160	160	139	8
TK-165	165	144	8
TK-170	170	149	8

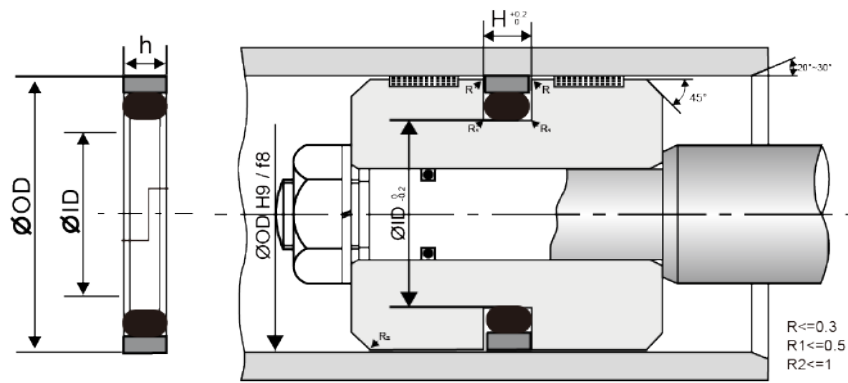
TK PISTON SEAL



APPLICATION	
MATERIAL	NY+NBR
TEMP.	-35°C~110°C
PRESSURE	500kgf/cm ²
SPEED	1m/s

ITEM	OD	ID	H
TK-175	175	154	8
TK-180	180	159	8
TK-190	190	169	8
TK-200	200	179	8
* TK-210	210	189	8
TK-220	220	199	8
TK-230	230	209	8
* TK-240	240	225	8
TK-250	250	229	8

TGA PISTON SEAL

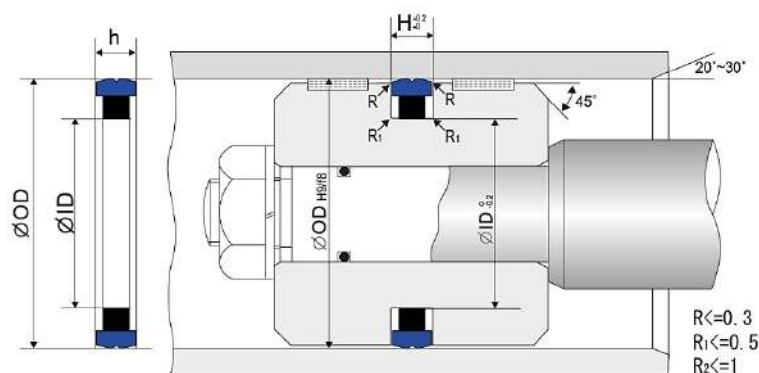


UNIT:MM

APPLICATION	
MATERIAL	NY+NBR
TEMP.	-35°C~110°C
PRESSURE	350kgf/cm ²
SPEED	1.5m/s

ITEM	OD(mm)	ID	H(mm)
TGA-032	32	24.5	3.2
TGA-035	35	27.5	3.2
TGA-095	95	80	11
TGA-100	100	85	12.5
TGA-105	105	90	12.5
TGA-115	115	100	12.5
TGA-120	120	105	12.5
TGA-135	135	112	16
TGA-140	140	117	16
TGA-145	145	122	16
* TGA-150	150	127	16
TGA-160	160	137	16
TGA-170	170	147	16
* TGA-185	185	162	16

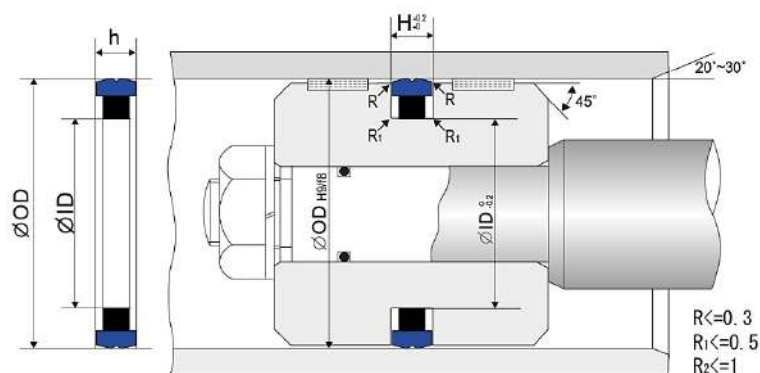
TGI PISTON SEAL



APPLICATION	
MATERIAL	PU+NBR
TEMP.	-30°C~110°C
PRESSURE	350kgf/cm ²
SPEED	1.5m/s

ITEM	OD	ID	h	H
* TGI-020	20	12.5	3	3.2
TGI-025	25	17.5	3	3.2
* TGI-030	30	22.5	3	3.2
TGI-032	32	24.5	3	3.2
* TGI-035	35	24.0	4	4.2
TGI-040	40	29.0	4	4.2
TGI-045	45	34.0	4	4.2
TGI-050	50	39.0	4	4.2
* TGI-060	60	49.0	4	4.2
* TGI-070	70	59.0	4	4.2
* TGI-075	75	64.0	4	4.2
* TGI-040	40	30.0	4.1	4.3
* TGI-050	50	40.0	4.1	4.3
* TGI-040	40	24.5	6	6.3
TGI-050	50	34.5	6	6.3
TGI-050	50	37.0	6	6.3
TGI-055	55	39.5	6	6.3
TGI-060	60	44.5	6	6.3
TGI-063	63	47.5	6	6.3
* TGI-063	63	50.0	6	6.3
TGI-065	65	52.0	6	6.3
TGI-065	65	54.0	6	6.3
TGI-070	70	54.5	6	6.3
* TGI-070	70	57.0	6	6.3
* TGI-075	75	59.5	6	6.3
* TGI-075	75	62.0	6	6.3
TGI-080	80	64.5	6	6.3
TGI-080	80	66.5	6	6.3
* TGI-085	85	59.0	6	6.3
* TGI-085	85	71.5	6	6.3
TGI-090	90	74.5	6	6.3
TGI-095	95	79.5	6	6.3
* TGI-100	100	84.5	6	6.3
* TGI-100	100	86.5	6	6.3
* TGI-105	105	89.5	6	6.3
TGI-110	110	94.5	6	6.3
* TGI-120	120	104.5	6	6.3

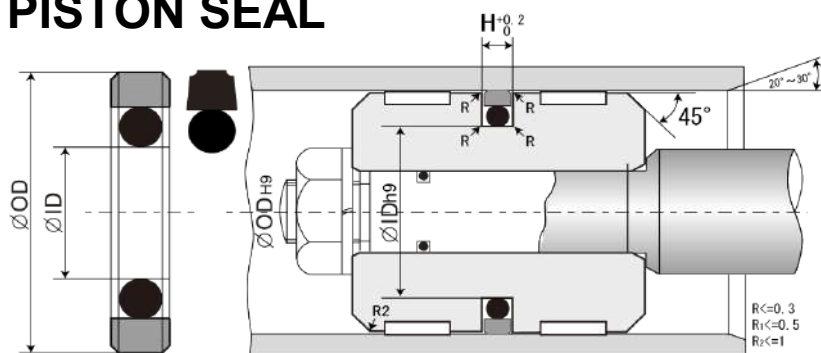
TGI PISTON SEAL



APPLICATION	
MATERIAL	PU+NBR
TEMP.	-30°C~110°C
PRESSURE	350kgf/cm ²
SPEED	1.5m/s

ITEM	OD	ID	h	H
* TGI-125	125	109.5	6	6.3
* TGI-063	63	53	6.3	6.6
TGI-070	70	55.0	7.1	7.3
TGI-075	75	60.0	7.1	7.3
TGI-080	80	65.0	7.1	7.3
TGI-100	100	85.0	7.1	7.3
* TGI-160	160	144	7.1	7.3
* TGI-080	80	59.0	7.8	8.1
* TGI-090	90	69.0	7.8	8.1
* TGI-100	100	79.0	7.8	8.1
TGI-110	110	89.0	7.8	8.1
* TGI-115	115	94.0	7.8	8.1
* TGI-125	125	104	7.8	8.1
* TGI-150	150	129	7.8	8.1
* TGI-160	160	139	7.8	8.1
* TGI-170	170	149	7.8	8.1
* TGI-180	180	159	7.8	8.1
* TGI-200	200	179	7.8	8.1
* TGI-210	210	189	7.8	8.1
TGI-080	80	59.0	10	10.5
* TGI-090	90	69.0	10	10.5
* TGI-110	110	89.0	10	10.5
TGI-120	120	99.0	10	10.5
TGI-125	125	104	10	10.5
TGI-140	140	119	10	10.5
TGI-150	150	129	10	10.5
* TGI-140	140	119	12	12.5
* TGI-200	200	175	12	12.5

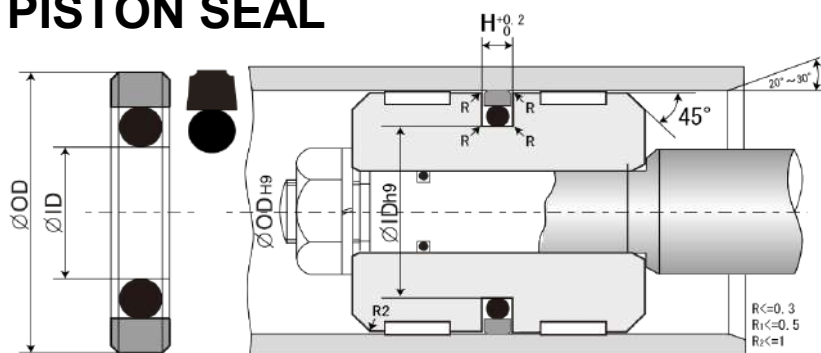
TD PISTON SEAL



APPLICATION	
MATERIAL	PTFE+NBR
TEMP.	-35°C~110°C
PRESSURE	350kgf/cm ²
SPEED	1.5m/s

ITEM	OD	ID	H	ITEM	OD	ID	H
TD-008	8	4	2.1	TD-070	70	60	4.2
TD-012	12	7.1	2.2	TD-072	72	61	4.2
TD-025	25	19	2.85	TD-075	75	64	4.2
TD-018	18	10.5	3.2	TD-080	80	69	4.2
TD-020	20	12.5	3.2	TD-080	80	70	4.2
TD-022	22	14.5	3.2	TD-085	85	75	4.2
TD-024	24	16.5	3.2	TD-090	90	79	4.2
TD-025	25	17.5	3.2	TD-100	100	89	4.2
TD-026	26	18.5	3.2	TD-110	110	99	4.2
TD-028	28	20.5	3.2	TD-120	120	109	4.2
TD-030	30	22.5	3.2	TD-125	125	114	4.2
TD-032	32	24.5	3.2	TD-140	140	129	4.2
TD-033	33	25	3.2	TD-150	150	139	4.2
TD-035	35	27.5	3.2	TD-065	65	52.5	5.6
TD-036	36	28.5	3.2	TD-070	70	57.5	5.6
TD-038	38	30.5	3.2	TD-090	90	77.5	5.6
TD-040	40	32.5	3.2	TD-050	50	34.5	6.3
TD-042	42	34	3.2	TD-055	55	39.5	6.3
TD-057	57	49.5	3.2	TD-060	60	44.5	6.3
TD-063	63	55.5	3.2	TD-063	63	47.5	6.3
TD-070	70	62.5	3.2	TD-065	65	49.5	6.3
TD-032	32	21	4.2	TD-070	70	54.5	6.3
TD-035	35	24.3	4.2	TD-075	75	59.5	6.3
TD-040	40	29	4.2	TD-080	80	64.5	6.3
TD-040	40	30	4.2	TD-082.5	82.5	67	6.3
TD-042	42	31	4.2	TD-085	85	69.5	6.3
TD-045	45	34	4.2	TD-090	90	74.5	6.3
TD-045	45	35	4.2	TD-095	95	79.5	6.3
TD-048	48	37	4.2	TD-100	100	84.5	6.3
TD-050	50	39	4.2	TD-105	105	89.5	6.3
TD-052	52	41	4.2	TD-110	110	94.5	6.3
TD-055	55	44	4.2	TD-115	115	99.5	6.3
TD-056	56	45	4.2	TD-120	120	104.5	6.3
TD-057	57	46	4.2	TD-125	125	109.5	6.3
TD-060	60	49	4.2	TD-130	130	114.5	6.3
TD-060	60	50	4.2	TD-135	135	119	6.3
TD-063	63	52	4.2	TD-140	140	124.5	6.3
TD-065	65	54	4.2	TD-145	145	129.5	6.3
TD-068	68	57	4.2	TD-150	150	134.5	6.3
TD-070	70	59	4.2	TD-160	160	144.5	6.3

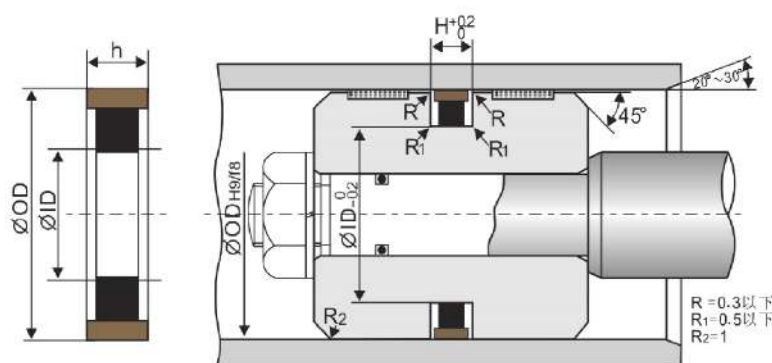
TD PISTON SEAL



APPLICATION	
MATERIAL	PTFE+NBR
TEMP.	-35°C~110°C
PRESSURE	350kgf/cm ²
SPEED	1.5m/s

ITEM	OD	ID	H	ITEM	OD	ID	H
TD-170	170	154.5	6.3	TD-270	270	249	8.1
TD-180	180	164.5	6.3	TD-280	280	259	8.1
TD-200	200	184.5	6.3	TD-290	290	269	8.1
TD-250	250	235.4	6.3	TD-300	300	275.5	8.1
TD-300	300	284.5	6.3	TD-300	300	279	8.1
TD-080	80	59	8.1	* TD-304.8	304.8	283.8	8.1
TD-085	85	64	8.1	TD-310	310	289	8.1
TD-090	90	69	8.1	* TD-320	320	295.5	8.1
TD-095	95	74	8.1	TD-320	320	299	8.1
TD-100	100	79	8.1	TD-330	330	305.5	8.1
TD-105	105	84	8.1	* TD-340	340	315.5	8.1
TD-110	110	89	8.1	TD-350	350	325.5	8.1
TD-115	115	94	8.1	* TD-360	360	335.5	8.1
TD-120	120	99	8.1	* TD-370	370	345.5	8.1
TD-125	125	104	8.1	TD-380	380	355.5	8.1
TD-130	130	109	8.1	* TD-390	390	365.5	8.1
TD-135	135	114	8.1	TD-400	400	375.5	8.1
TD-140	140	119	8.1	TD-410	410	385.5	8.1
TD-145	145	124	8.1	TD-420	420	395.5	8.1
TD-150	150	129	8.1	* TD-430	430	405.5	8.1
TD-155	155	134	8.1	TD-440	440	415.5	8.1
TD-160	160	139	8.1	* TD-450	450	425.5	8.1
TD-165	165	144	8.1	TD-460	460	435.5	8.1
TD-170	170	149	8.1	* TD-470	470	445.5	8.1
TD-175	175	154	8.1	TD-480	480	455.5	8.1
TD-180	180	159	8.1	* TD-490	490	465.5	8.1
TD-185	185	164	8.1	TD-520	520	495.5	8.1
TD-190	190	169	8.1	TD-560	560	535.5	8.1
TD-200	200	179	8.1	TD-570	570	545.5	8.1
* TD-205	205	184	8.1	TD-590	590	565.5	8.1
TD-210	210	189	8.1	TD-620	620	595.5	8.1
TD-215	215	194	8.1	TD-640	640	615.5	8.1
TD-220	220	199	8.1	TD-660	660	635.5	8.1
TD-225	225	204	8.1	TD-400	400	375	9.5
TD-230	230	209	8.1	TD-700	700	672	9.5
TD-240	240	219	8.1	TD-710	710	682	9.5
* TD-250	250	225.5	8.1	TD-720	720	692	9.5
TD-250	250	229	8.1	TD-740	740	712	9.5
TD-260	260	239	8.1	TD-770	770	742	9.5

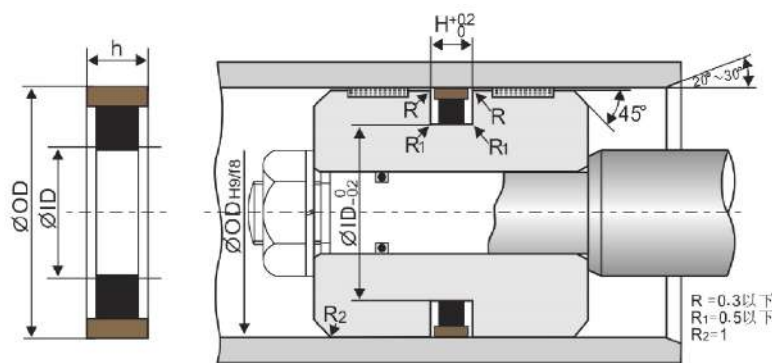
TG PISTON SEAL



APPLICATION	
MATERIAL	PTFE+NBR
TEMP.	-40°C~110°C
PRESSURE	350kgf/cm ²
SPEED	1.5m/s

ITEM	OD	ID	h	H
TG-025	25	17.5	3.2	4.5
TG-035	35	25.5	4.3	4.5
TG-040	40	30	4.3	4.5
TG-045	45	35	4.3	4.5
TG-050	50	40	4.3	4.5
TG-055	55	45	4.3	4.5
TG-060	60	50	4.3	4.5
TG-065	65	55	4.3	4.5
TG-045	45	34	4.8	5.0
TG-050	50	39	4.8	5.0
TG-055	55	44	4.8	5.0
TG-060	60	47	4.8	5.0
TG-060	60	49	4.8	5.0
TG-065	65	54	4.8	5.0
TG-070	70	59	4.8	5.0
TG-080	80	69	4.8	5.0
TG-090	90	79	5.8	6.0
TG-110	110	94	5.8	6.0
TG-100	100	85	6.0	6.0
TG-063	63	48	7.3	7.5
TG-065	65	50	7.3	7.5
TG-070	70	55	7.3	7.5
TG-075	75	60	7.3	7.5
TG-080	80	65	7.3	7.5
TG-085	85	70	7.3	7.5
TG-090	90	75	7.3	7.5
TG-095	95	80	7.3	7.5
TG-100	100	85	7.3	7.5
TG-110	110	94	7.3	7.5
TG-112	112	96	7.3	7.5
TG-115	115	99	7.3	7.5
TG-120	120	104	7.3	7.5
TG-125	125	109	7.3	7.5
TG-130	130	114	7.3	7.5
TG-140	140	124	7.3	7.5
TG-150	150	134	7.3	7.5
TG-160	160	144	7.3	7.5

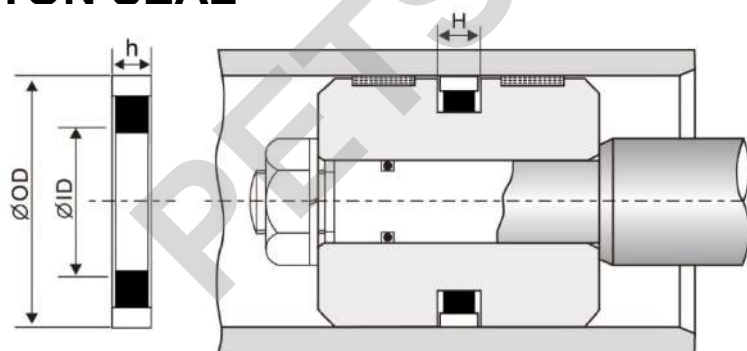
TG PISTON SEAL



APPLICATION	
MATERIAL	PTFE+NBR
TEMP.	-40°C~110°C
PRESSURE	350kgf/cm ²
SPEED	1.5m/s

ITEM	OD	ID	h	H
TG-140	140	122	7.7	7.5
TG-170	170	148	10.8	11
TG-180	180	158	10.8	11
TG-190	190	168	10.8	11
TG-200	200	178	10.8	11
TG-210	210	188	10.8	11
TG-240	240	218	10.8	11
TG-250	250	228	10.8	11

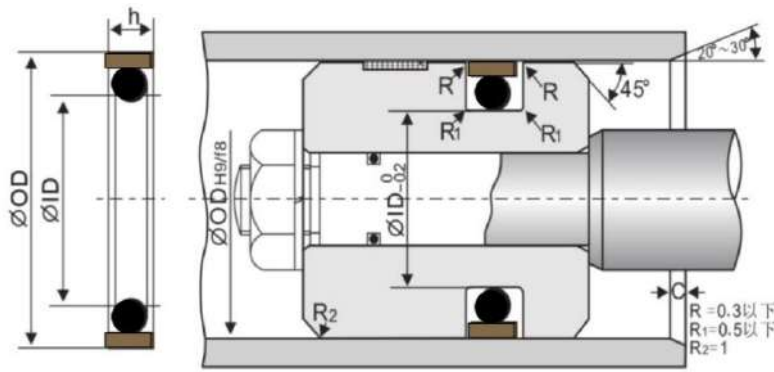
TG2 PISTON SEAL



APPLICATION	
MATERIAL	PTFE+NBR
TEMP.	-40°C~110°C
SPEED	0.5 m/s

ITEM	OD	ID	h	H
TG2-055	55	45	4.3	
TG2-060	60	49	4.8	5
TG2-065	65	52	4.8	5

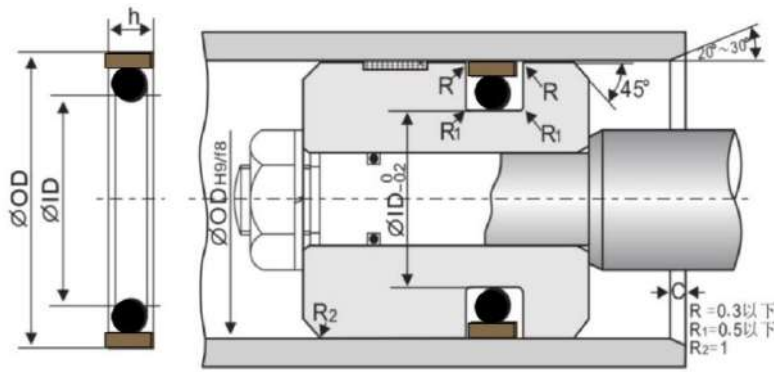
TGO PISTON SEAL



APPLICATION	
MATERIAL	PTFE+NBR
TEMP.	-35°C~110°C
PRESSURE	350kgf/cm ²
SPEED	1.5m/s

ITEM	OD	ID	h	PART NO.
TGO-017	21	17	1.6	
TGO-020.5	20.5	15.8	1.8	
TGO-09	9	4.5	2	
TGO-016	16	11.3	2	
TGO-017	17	11.85	2	708-2L-35690
TGO-020.6	20.6	15.5	2	723-46-42920
TGO-021	21	15.9	2	723-46-43910
TGO-021	21	16.1	2	723-46-42930
TGO-021.4	21.4	16.3	2	723-46-42910
* TGO-021.4	21.4	19.86	2	723-46-41930
TGO-021.8	21.8	16.7	2	723-46-41940
TGO-023.4	23.4	17.8	2	
TGO-024.5	24.5	18	2	
TGO-032	32	26.25	2	
TGO-032.3	32.3	25.9	2	
TGO-036	36	30.3	2	708-2G-15260
TGO-025	25	19.9	2.1	
TGO-025	25	20.1	2.1	
TGO-045	45	38.2	2.1	
TGO-051	51	44.35	2.1	708-2L-35680
TGO-011	11	5.5	2.2	
TGO-011	11	6.3	2.2	709-70-71610
TGO-013	13	8.3	2.2	709-30-61130
TGO-015	15	9.9	2.2	702-73-11510
TGO-017	17	11.5	2.2	
TGO-018.8	18.8	13.3	2.2	
TGO-026	26	20.85	2.2	
TGO-055	55	47.6	2.5	708-2G-15320
TGO-038.3	38.3	30.3	2.9	
TGO-075	75	65	2.9	
TGO-060	67.5	60	3	
TGO-012	20	12	3.2	
TGO-014	22	14	3.2	
TGO-016	24	16	3.2	
TGO-018	26	18	3.2	

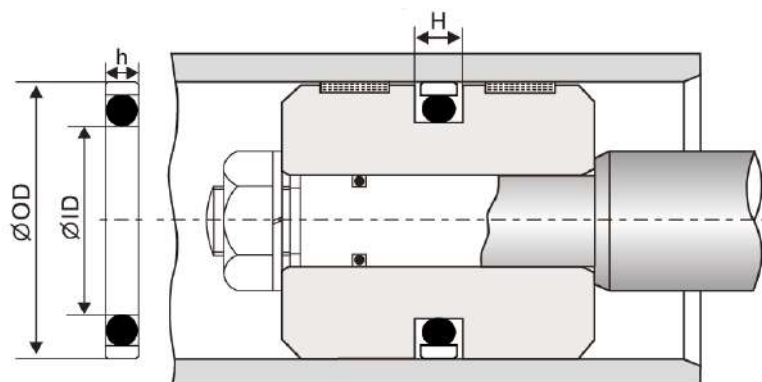
TGO PISTON SEAL



APPLICATION	
MATERIAL	PTFE+NBR
TEMP.	-35°C~110°C
PRESSURE	350kgf/cm ²
SPEED	1.5m/s

ITEM	OD	ID	h	PART NO.
TGO-020	28	20	3.2	
TGO-025	32	25	3.2	
TGO-025	33	25	3.2	
TGO-028	36	28	3.2	
TGO-032	39.3	32	3.2	
TGO-045	45	37.8	3.2	
TGO-080	90	80	3.6	
TGO-080	90	80	3.7	
TGO-080	80	70	4	
TGO-030	40	30	4.2	
TGO-035	45	35	4.2	
TGO-050	60	50	4.2	
TGO-053	63	53	4.2	
TGO-055	65	55	4.2	
TGO-065	75	65	4.2	
TGO-070	80	70	4.2	
TGO-075	85	75	4.2	
TGO-080	90	80	4.2	
* TGO-050	50	40	4.3	
TGO-075	75	61	6.3	
TGO-063	63	48	7.3	
TGO-090	90	75	7.3	

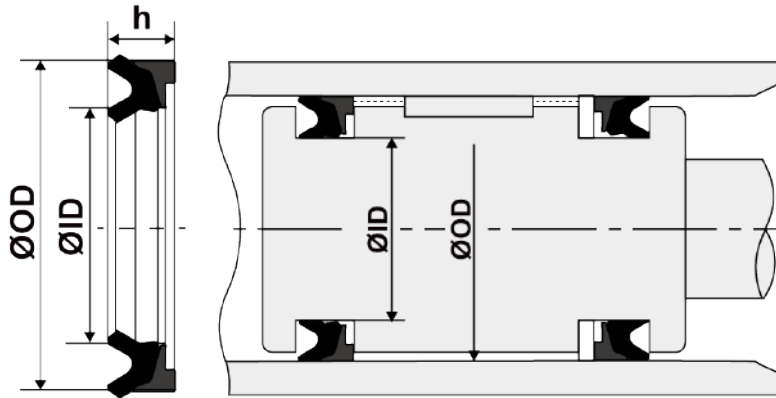
ST PISTON SEAL



APPLICATION	
MATERIAL	PTFE+NBR
TEMP.	-30°C~100°C
PRESSURE	250kgf/cm ²
SPEED	3m/s

ITEM	OD	ID	h	H
ST-045	45	36.5	3.7	4.0
ST-050	50	41.5	3.7	4.0
ST-055	55	46.5	3.7	4.0
ST-056	56	47.5	3.7	4.0
ST-060	60	51.5	3.7	4.0
ST-063	63	49	6.2	6.5
ST-065	65	51	6.2	6.5
ST-070	70	56	6.2	6.5
ST-071	71	57	6.2	6.5
ST-075	75	61	6.2	6.5
ST-080	80	66	6.2	6.5
ST-084	84	70	6.2	6.5
ST-085	85	71	6.2	6.5
ST-090	90	76	6.2	6.5
ST-095	95	81	6.2	6.5
ST-100	100	86	6.2	6.5

PTU PISTON SEAL

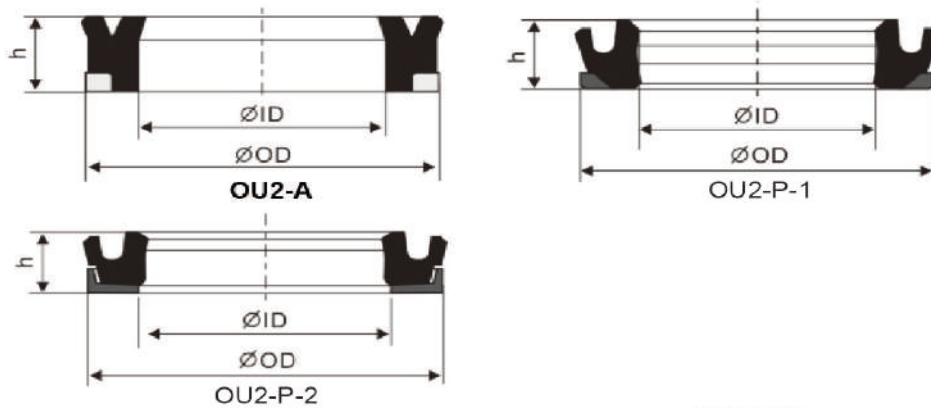


APPLICATION		
MATERIAL	NBR+NY	PU+NY
TEMP.	-35°C~100°C	-40°C~110°C
PRESSURE	350kgf/cm ²	350kgf/cm ²
SPEED	1 m/s	1 m/s

space= *

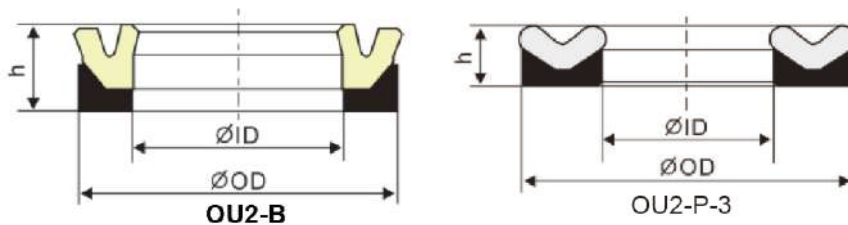
ITEM	OD	ID	h	NBR	PU
PTU-045	45	27	12	●	
PTU-050	50	32	12	●	
PTU-055	55	37	12.1	●	
PTU-060	60	42	12.1	●	
PTU-065	65	47	12.1	●	
PTU-070	70	48	14.5	●	
PTU-080	80	58	14.5	●	
PTU-090	90	68	14.5	●	
PTU-100	100	78	14.5	●	
PTU-110	110	88	14.5		●
PTU-115	115	93	14.5		
PTU-120	120	98	14.5		●
PTU-125	125	103	14.5		●
PTU-130	130	108	14.5		●
PTU-140	140	118	14.5	●	
PTU-150	150	128	14.5		
* PTU-160	160	138	14.5		
* PTU-170	170	148	14.5		
* PTU-190	190	168	14.5		
* PTU-200	200	178	14.5		

OU2 PISTON SEAL



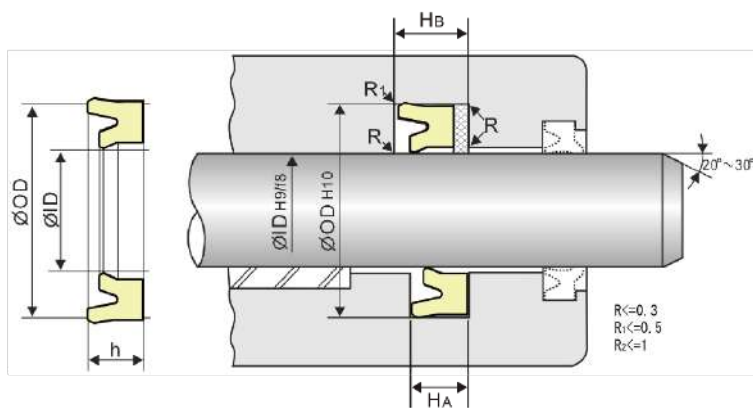
ITEM	OD	ID	h	PART NO.	MATERIAL
KOMATSU					
OU2-A 40	40	25	12	4324392 101-30-34210	NBR+POM
OU2-A 50	50	35	12	09370-00050	NBR+POM
OU2-A 60	60	35	15.5	09370-00060	NBR+POM
OU2-A 70	70	45	15.5	09370-00070 / 112-63-12460	NBR+POM
OU2-A 90	90	65	18	09370-00090	NBR+POM
OU2-A 95	95	70	18	207-30-41350	NBR+POM
OU2-A100	100	75	18	09370-00100 / 175-30-24242	NBR+POM
OU2-A 60	60	35	15.5	09370-00060	PU
OU2-A 70	70	45	17	09370-00070	PU
TDI- 080	80	47	16	150-30-13442	PU
TDI- 090	90	65	18	09370-00090	PU
OU2-P-1 50	50	35	9.2/10.5	707-42-50012 101-63-15452	NBR+NY
OU2-P-1 60	60	45	9.2/10.5	707-42-60012 102-63-32372	NBR+NY
OU2-P-1 70	70	55	9.2/10.5	707-42-70012 112-63-12462	NBR+NY
OU2-P-1 80	80	65	11/13.5	707-42-80012	NBR+NY
OU2-P-1 90	90	70	12.2/13	707-42-90011/2	NBR+NY
OU2-P-1 100	100	80	12.2/13	707-42-10011/2	NBR+NY
OU2-P-1 110	110	90	12/12.5	707-42-11011/2	NBR+NY
OU2-P-1 110	110	90	12.2/13	707-42-11011/2	NBR+NY
OU2-P-1 120	120	100	12.5/14	707-42-12012	NBR+NY
OU2-P-1 140	140	120	12.5/14	707-42-14012	NBR+NY
OU2-P-1 160	160	140	12.5/14	707-42-16012	NBR+NY
OU2-P-2 130	130	110	12/13.5	707-42-13012	NBR+NY
OU2-P-2 225	225	200	15/16.3	5715-63-42461	NBR+NY

OU2 PISTON SEAL



ITEM	OD	ID	h	PART NO.	MATERIAL
HITACHI					
OU2-B 30	30	20	9	4276121	PU+POM
OU2-B 32	32	20	10		PU+POK
OU2-B 33	33	20	10		PU+POM
OU2-B 35	35	20	12	4242157	PU+POM
OU2-B 40	40	25	12	4324392	PU+POM
OU2-B 45	45	30	12		PU+POM
OU2-B 50	50	35	12		PU+POM
OU2-B 60	60	45	12		PU+POM
OU2-B 65	65	50	12		PU+POM
OU2-B 70	70	55	12	4177837	PU+POM
OU2-B 75	75	60	12	4430467	PU+POM
OU2-B 85	85	70	12	4137866	PU+POM
OU2-B 95	95	80	12		PU+POM
UPI-055	70	55	12		PU
TDI-075	75	60	12		PU
UPI-70	85	70	12		PU
UPI-80	95	80	12		PU
OU2-P-3 70	70	40	11		NBR+POM

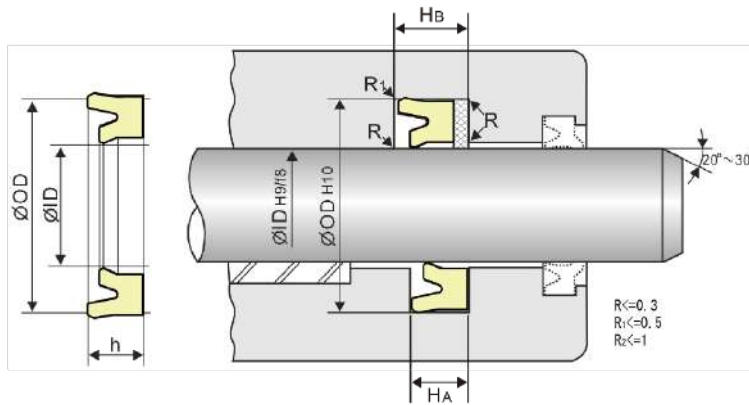
RUN ROD SEAL



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

ITEM	ID	OD	h	HA	HB
* RUN-006	6	9.2	3.7		
RUN-008	8	14	5	5.7	7.7
RUN-036	36	44	5.7	6.3	
RUN-045	45	55	6	9	12
RUN-065	65	75	6	9	12
RUN-030	30	40	7	9	12
RUN-035	35	45	7	9	12
RUN-040	40	50	7	9	12
RUN-042	42	51	7	9	12
RUN-045	45	55	7	9	12
RUN-036	36	46	7.3	8	
RUN-045	40	50	7.3	8	
RUN-045	45	55	7.3	8	
RUN-050	50	60	7.3	8	
* RUN-025	25	33	8	9	11
RUN-035	35	51	8	11	14
RUN-045	45	55	8	9	12
RUN-050	50	60	8	9	12
RUN-065	65	75	8	9	12
RUN-080	80	90	8	9	12
RUN-063	63	75	8.7	11	14
RUN-025	25	35	9	11	14
RUN-030	30	45	9	10	13
RUN-035	35	50	9	10	13
RUN-035	35	51	9	11	14
RUN-040	40	55	9	10	13
RUN-045	45	60	9	10	13
RUN-050	50	65	9	10	13
RUN-055	55	70	9	10	13
RUN-060	60	75	9	11	14
RUN-065	65	80	9	11	14
RUN-070	70	85	9	10	13
RUN-075	75	90	9	10	13
RUN-080	80	95	9	11	14
RUN-085	85	100	9	11	14
RUN-090	90	105	9	11	14

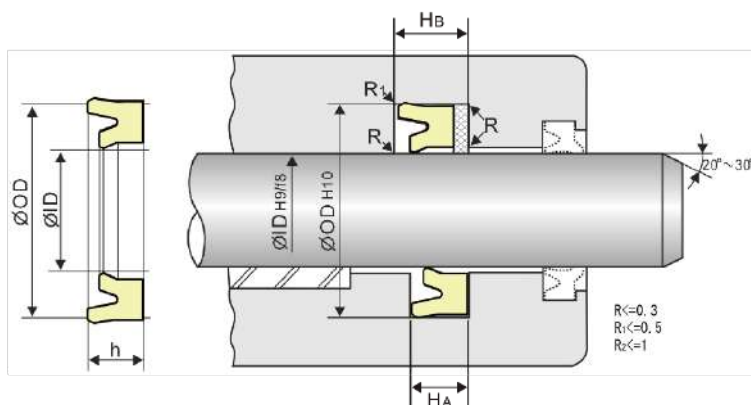
RUN ROD SEAL



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

ITEM	ID	OD	h	HA	HB
RUN-095	95	110	9	11	14
RUN-100	100	115	9	11	14
RUN-105	105	120	9	11	14
RUN-110	110	125	9	11	14
RUN-115	115	130	9	11	14
RUN-120	120	135	9	11	14
* RUN-025	25	35	8	9	
* RUN-030	30	45	9	9	12
RUN-040	40	55	9	10	13
* RUN-040	45	55	9	13	16
RUN-135.8	135.8	150.9	9.6	11	14
RUN-030	30	43	10	17	21
RUN-032	32	48	10	17	20
RUN-050	50	63	10	13	16
RUN-055	55	68	10	13	16
RUN-060	60	73	10	11	14
RUN-060	60	75	10	11	14
RUN-060	60	76	10	11	14
RUN-065	65	78	10	13	16
RUN-070	70	83	10	13	17
RUN-070	70	85	10	11	14
RUN-075	75	88	10	11	14
RUN-080	80	93	10	11	14
RUN-080	80	95	10	11	14
RUN-085	85	100	10	11	14
RUN-090	90	105	10	11	14
RUN-095	95	110	10	11	14
RUN-100	100	115	10	11	14
RUN-105	105	120	10	11	14
RUN-110	110	125	10	11	14
RUN-110	110	130	10	17	20
RUN-115	115	130	10	11	14
RUN-056	56	71	11.5	11	14
RUN-035	35	50	12	13	16
RUN-050	50	70	12	13	16
RUN-055	55	71	12	13	16

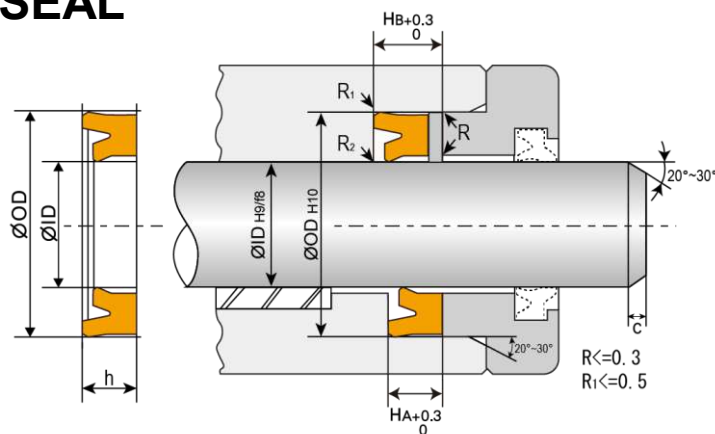
RUN ROD SEAL



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

ITEM	ID	OD	h	HA	HB
RUN-055	55	75	12	13	16
RUN-060	60	80	12	13	16
RUN-065	65	80	12	13	16
RUN-070	70	90	12	13	16
RUN-075	75	95	12	13	16
RUN-080	80	100	12	13	16
RUN-085	85	105	12	13	16
RUN-090	90	110	12	13	16
RUN-095	95	115	12	13	16
RUN-100	100	120	12	13	16
RUN-105	105	125	12		
RUN-110	110	130	12	13	18
RUN-115	115	135	12	13	18
RUN-120	120	140	12	13	18
RUN-130	130	150	12	13	16
RUN-140	140	160	12	13	16
RUN-160	160	180	12	13	17
RUN-180	160	180	12	13	17
RUN-040	40	60	12	13	16
RUN-045	45	65	12	13	16
RUN-120	120	140	13		
RUN-105	105	125	15	16	19
RUN-130	130	150	16	17	20
RUN-140	140	160	16	17	20
RUN-160	160	185	16	17	21

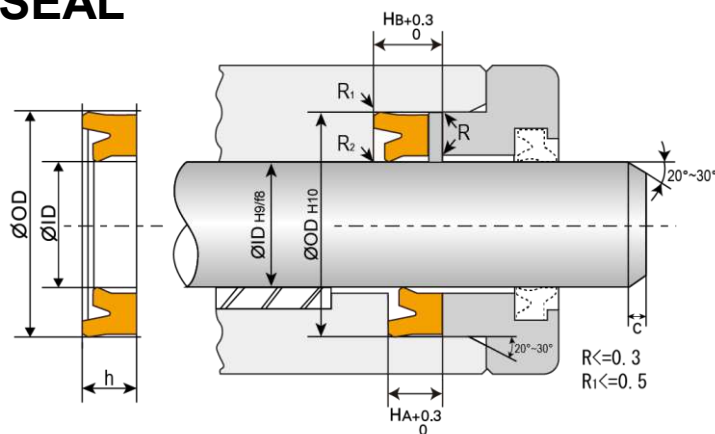
RUK RODSEAL



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

ITEM	ID	OD	h	HA	HB	C
* RUK-006	6	9.2	3.7			
RUK-008	8	14	5			
RUK-036	36	44	5.7			
RUK-045	45	55	6			
RUK-065	65	75	6	7		
RUK-030	30	40	7			
RUK-035	35	45	7			
RUK-040	40	50	7			
RUK-042	42	51	7	9	12	
RUK-045	45	55	7	9	12	
* RUK-025	25	33	8			
RUK-035	35	51	8	11	14	
RUK-045	45	55	8	9	12	4
RUK-050	50	60	8	9	12	4
RUK-065	65	75	8	9	12	5
RUK-080	80	90	8	9	12	5
RUK-063	63	75	8.7	9.6		
RUK-025	25	35	9	10		
RUK-030	30	45	9	10	13	4
RUK-035	35	50	9	10	13	4
RUK-035	35	51	9	11	14	
RUK-040	40	55	9	10	13	4
RUK-045	45	60	9	10	13	4
RUK-050	50	65	9	10	13	4
RUK-055	55	70	9	10	13	4
RUK-060	60	75	9	10	13	4
RUK-065	65	80	9	10	13	5
RUK-070	70	85	9	10	13	5
RUK-075	75	90	9	10	13	5
RUK-080	80	95	9	10	13	5
RUK-085	85	100	9	10	13	5
RUK-090	90	105	9	10	13	5
RUK-095	95	110	9	10	13	5
RUK-100	100	115	9	10	13	5
RUK-105	105	120	9	10	13	5
RUK-110	110	125	9	10	13	5

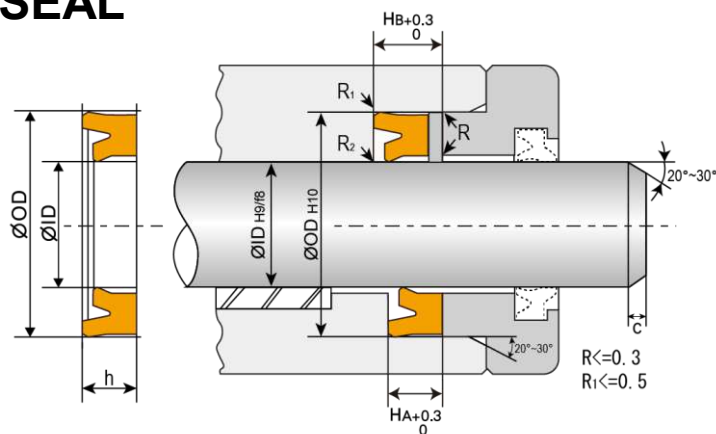
RUK RODSEAL



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

ITEM	ID	OD	h	HA	HB	C
RUK-115	115	130	9	10	13	5
RUK-120	120	135	9	13	18	5
RUK-135.8	135.8	150.9	9.6			
RUK-030	30	43	10	11	14	4
RUK-032	32	48	10			
RUK-050	50	63	10	13	16	
RUK-055	55	68	10	13	16	
RUK-060	60	73	10			
RUK-060	60	75	10	11	14	4
RUK-060	60	76	10	11	14	4
RUK-065	65	78	10	13	16	
RUK-070	70	83	10	13	17	
RUK-070	70	85	10	11	14	5
RUK-075	75	88	10			
RUK-080	80	93	10			
RUK-080	80	95	10	11	14	5
RUK-085	85	100	10	11	14	5
RUK-090	90	105	10	11	14	5
RUK-095	95	110	10	11	14	5
RUK-100	100	115	10	11	14	5
RUK-105	105	120	10	11	14	5
RUK-110	110	125	10	11	14	5
RUK-110	110	130	10	17	20	
RUK-115	115	130	10			
RUK-056	56	71	11.5			
RUK-035	35	50	12	13	16	4
RUK-040	40	60	12			
RUK-045	45	65	12			
RUK-050	50	70	12	13	16	4
RUK-055	55	71	12	13	16	4
RUK-055	55	75	12	13	16	4
RUK-060	60	80	12	13	16	4
RUK-065	65	80	12	13	16	5
RUK-070	70	90	12	13	16	5
RUK-075	75	95	12	13	16	5
RUK-080	80	100	12	13	16	5

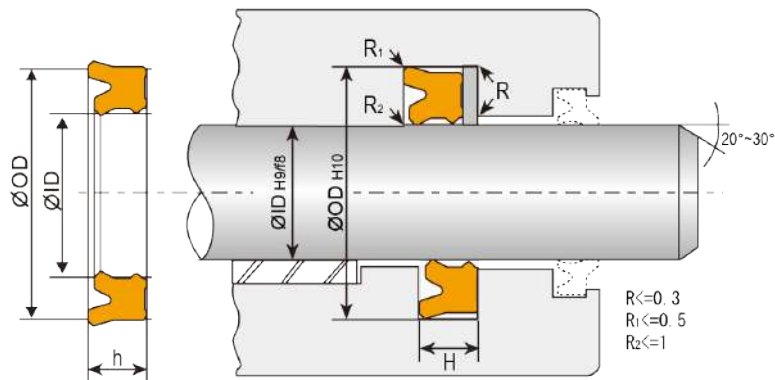
RUK RODSEAL



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

ITEM	ID	OD	h	HA	HB	C
RUK-085	85	105	12	13	16	5
RUK-090	90	110	12	13	16	5
RUK-095	95	115	12	13	16	5
RUK-100	100	120	12	13	16	5
RUK-105	105	125	12	13		
RUK-110	110	130	12	10	13	5
RUK-115	115	135	12	13	18	5
RUK-120	120	140	12	13	18	5
RUK-125	125	145	12	13	16	5
RUK-130	130	150	12	13	16	5
RUK-140	140	160	12	13	16	5
* RUK-150	150	170	12	13	16	5
RUK-160	160	180	12	13	17	5
* RUK-170	170	190	12	13	17	5
RUK-120	120	140	13			
RUK-105	105	125	15	16	19	5
* RUK-180	180	205	15	16	21	5
* RUK-200	200	225	15	16	21	5
RUK-130	130	150	16	17	20	6.5
RUK-140	140	160	16	17	20	6.5
RUK-160	160	185	16	17	21	6.5

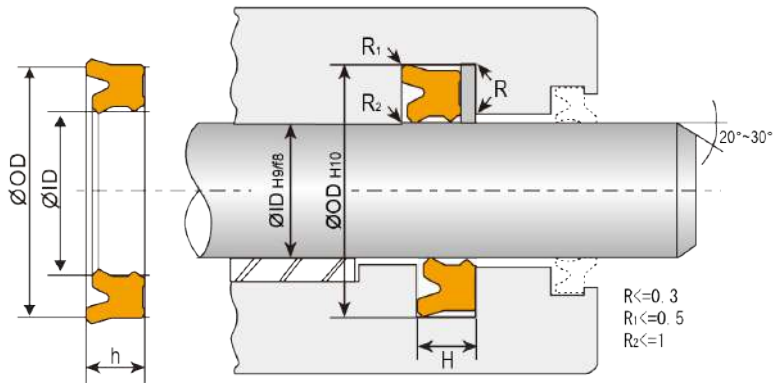
RU2 ROD SEAL



APPLICATION		
MATERIAL	TPU	PU
TEMP.	-40°C~120°C	-40°C~110°C
PRESSURE	400kgf/cm ²	400kgf/cm ²
SPEED	1m/s	1m/s

ITEM	ID	OD	h	H	OG	BU
* RU2-20	20	25	3.2	3.5		
* RU2-10	10	15	3.6	4		
* RU2-12	12	18	4	4.5		
* RU2-12	12	19	4.5	5		
* RU2-13	13	20	4.5	5		
* RU2-16	16	22	4.5	5		
* RU2-18	18	24	4.5	5		
* RU2-24	24	30	4.5	5		
* RU2-10	10	16	4.5	5.2		
* RU2-6	6	13	5	5.6		
* RU2-8	8	14	5	5.6		
* RU2-12	12	19	5	5.6		
* RU2-14	14	21	5	5.6		
* RU2-18	18	25	5	5.6		
* RU2-22	22	29	5	5.6		
RU2-16	16	24	5	5.7	•	•
RU2-18	18	26	5	5.7	•	•
RU2-20	20	28	5	5.7		•
RU2-22	22	30	5	5.7	•	•
RU2-22.4	22.4	30	5	5.7	•	•
RU2-25	25	33	5	5.7	•	•
* RU2-28	28	35.5	5	5.7		
* RU2-16	16	22	5	6		
* RU2-20	20	26	5	6	•	
* RU2-28	28	36	5	7	•	•
* RU2-12	12	19	5.1	5.6		
* RU2-14	14	21	5.1	5.6		
* RU2-12.7	12.7	18	5.5	6		
* RU2-45	45	53	5.6	6.3		
* RU2-45	45	55	5.6	6.3		
* RU2-8	8	16	5.7	6.3		
* RU2-10	10	18	5.7	6.3		
* RU2-12	12	18	5.7	6.3		
* RU2-12	12	20	5.7	6.3		
* RU2-14	14	22	5.7	6.3		
* RU2-15	15	22	5.7	6.3		
* RU2-16	16	24	5.7	6.3		
* RU2-18	18	26	5.7	6.3		

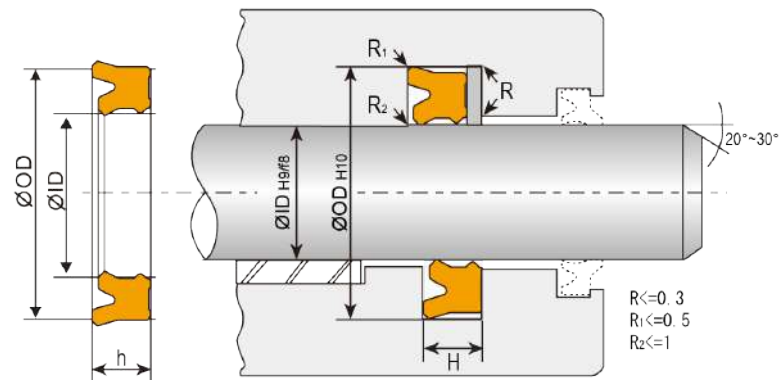
RU2 ROD SEAL



APPLICATION		
MATERIAL	TPU	PU
TEMP.	-40°C~120°C	-40°C~110°C
PRESSURE	400kgf/cm ²	400kgf/cm ²
SPEED	1m/s	1m/s

ITEM	ID	OD	h	H	OG	BU
* RU2-20	20	28	5.7	6.3		
* RU2-22	22	30	5.7	6.3		
RU2-25	25	33	5.7	6.3		•
* RU2-28	28	36	5.7	6.3		
* RU2-30	30	38	5.7	6.3		
RU2-32	32	40	5.7	6.3		•
* RU2-32	32	42	5.7	6.3		
* RU2-35	35	43	5.7	6.3		
* RU2-36	36	46	5.7	6.3		
* RU2-40	40	48	5.7	6.3		
* RU2-42	42	50	5.7	6.3		
* RU2-16	16	24	5.8	6.3		
* RU2-18	18	26	6	7		
RU2-20	20	30	6	7		
RU2-25	25	35	6	7	•	•
RU2-30	30	40	6	7	•	•
* RU2-32	32	40	6	7		
* RU2-32	32	42	6	7		
RU2-35	35	45	6	7	•	•
* RU2-35.5	35.5	45	6	7		
* RU2-38	38	48	6	7		
RU2-40	40	50	6	7	•	•
* RU2-42	42	52	6	7		
RU2-45	45	55	6	7	•	•
RU2-50	50	60	6	7	•	•
RU2-53	53	63	6	7	•	•
RU2-55	55	65	6	7	•	•
RU2-56	56	66	6	7	•	•
RU2-60	60	70	6	7	•	•
* RU2-63	63	73	6	7		
RU2-65	65	75	6	7		•
* RU2-67	67	77	6	7		
RU2-70	70	80	6	7	•	•
RU2-75	75	85	6	7		•
RU2-80	80	90	6	7	•	•
* RU2-40	40	48	6	8		
* RU2-20	20	27	6.1	6.7		
* RU2-30	30	38	6.3	7		

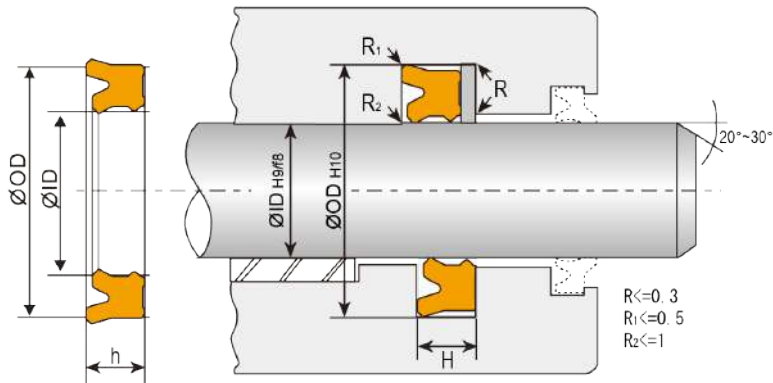
RU2 ROD SEAL



APPLICATION		
MATERIAL	TPU	PU
TEMP.	-40°C~120°C	-40°C~110°C
PRESSURE	400kgf/cm ²	400kgf/cm ²
SPEED	1m/s	1m/s

ITEM	ID	OD	h	H	OG	BU
* RU2-35	35	43	6.3	7		
* RU2-15.37	15.37	25.5	6.35	7.4		
* RU2-36	36	44	6.4	7.5		
* RU2-25	25	33	6.5	7.3		
RU2-32	32	40	6.5	7.5		•
* RU2-56	56	66	6.5	7.5		
* RU2-90	90	100	6.5	7.5		
* RU2-32	32	40	6.7	7.7		
* RU2-25	25	33	6.8	7.5		
* RU2-90	90	100	6.8	7.5		
* RU2-30	30	40	7	7.7		
* RU2-6	6	16	7	8		
* RU2-8	8	18	7	8		
* RU2-12	12	22	7	8		
RU2-22	22	30	7	8		•
* RU2-26	26	36	7	8		
RU2-32	32	42	7	8		•
* RU2-35	35	45	7	8		
* RU2-42	42	51	7	8		
RU2-45	45	56	7	8		
* RU2-60	60	71	7	8		
* RU2-65	65	75	7	8		
* RU2-70	70	80	7	8		
* RU2-75	75	85	7	8		
* RU2-80	80	90	7	8		
* RU2-6	6	15	7.3	8		
* RU2-12	12	22	7.3	8		
* RU2-14	14	24	7.3	8		
* RU2-16	16	26	7.3	8		
* RU2-18	18	28	7.3	8		
* RU2-20	20	30	7.3	8		
* RU2-22	22	30	7.3	8		
* RU2-22	22	32	7.3	8		
* RU2-25	25	35	7.3	8		
* RU2-28	28	38	7.3	8		
* RU2-30	30	40	7.3	8		
* RU2-32	32	42	7.3	8		
RU2-36	36	46	7.3	8	•	•

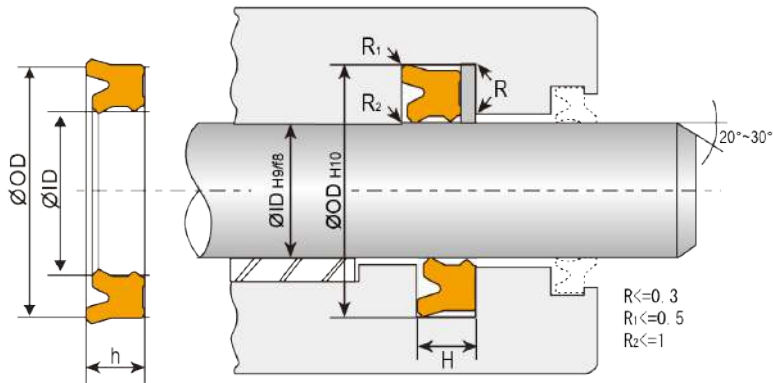
RU2 ROD SEAL



APPLICATION		
MATERIAL	TPU	PU
TEMP.	-40°C~120°C	-40°C~110°C
PRESSURE	400kgf/cm ²	400kgf/cm ²
SPEED	1m/s	1m/s

ITEM	ID	OD	h	H	OG	BU
RU2-40	40	50	7.3	8	•	•
* RU2-40	40	55	7.3	8		
* RU2-45	45	53	7.3	8		
RU2-45	45	55	7.3	8	•	•
RU2-50	50	60	7.3	8	•	•
* RU2-55	55	65	7.3	8		
* RU2-60	60	70	7.3	8		
* RU2-42	42	50	7.5	8		
* RU2-36	36	44	7.5	9		
* RU2-12	12	22	7.7	9		
* RU2-16	16	26	7.7	9		
* RU2-18	18	28	7.7	9		
* RU2-20	20	30	7.7	9		
* RU2-25	25	35	7.7	9		
* RU2-32	32	40	7.7	9		
* RU2-35	35	45	7.7	9		
* RU2-65	65	75	7.7	9		
* RU2-32	32	41.5	7.9	8.9		
* RU2-22.4	22.4	30	8	9		
RU2-25	25	33	8	9		•
RU2-25	25	35	8	9		
RU2-28	28	36	8	9		•
RU2-35	35	45	8	9	•	
* RU2-36	36	44	8	9	•	
* RU2-40	40	50	8	9	•	•
RU2-50	50	60	8	9		•
* RU2-40	40	52	8	10		
* RU2-45	45	53	8.1	9		
* RU2-18	18	26	8.2	9		
* RU2-22	22	32	8.2	9		
* RU2-35	35	43	8.2	9		
* RU2-36	36	44	8.2	9		
* RU2-40	40	48	8.2	9		
* RU2-55	55	63	8.2	9		
* RU2-55	55	65	8.2	9		
* RU2-70	70	82	8.7	9.6		
* RU2-80	80	92	8.7	9.6		
* RU2-90	90	102	8.7	9.6		

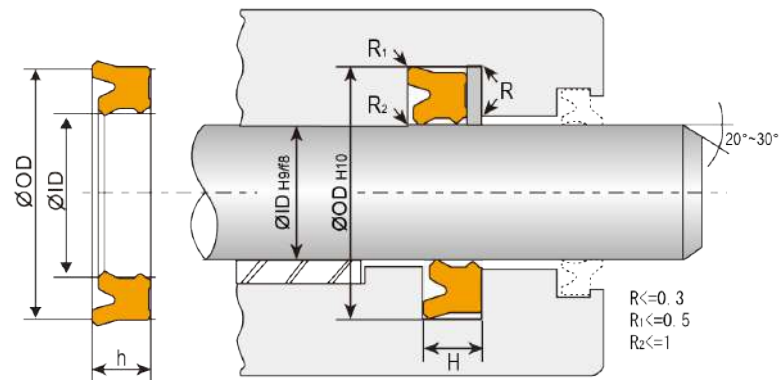
RU2 ROD SEAL



APPLICATION		
MATERIAL	TPU	PU
TEMP.	-40°C~120°C	-40°C~110°C
PRESSURE	400kgf/cm ²	400kgf/cm ²
SPEED	1m/s	1m/s

ITEM	ID	OD	h	H	OG	BU
RU2-45	45	60	9			
* RU2-35	35	50	9	10		
RU2-36	36	48	9	10		•
* RU2-40	40	50	9	10		
RU2-40	40	55	9	10	•	•
* RU2-47	47	56.33	9	10		
* RU2-50	50	57	9	10		
RU2-50	50	65	9	10	•	•
* RU2-53	53	65	9	10		
RU2-55	55	70	9	10		•
RU2-60	60	75	9	10		•
* RU2-65	65	77	9	10		
RU2-65	65	80	9	10		•
RU2-70	70	85	9	10	•	•
RU2-75	75	90	9	10	•	•
* RU2-78	78	86	9	10		
RU2-80	80	95	9	10	•	•
RU2-85	85	100	9	10	•	•
* RU2-90	90	100	9	10		
RU2-90	90	105	9	10		•
RU2-95	95	110	9	10	•	•
RU2-100	100	115	9	10	•	•
RU2-105	105	120	9	10	•	
RU2-110	110	125	9	10		
* RU2-112	112	125	9	10		
RU2-115	115	130	9	10	•	
* RU2-120	120	135	9	10		
* RU2-125	125	140	9	10		
* RU2-130	130	145	9	10		
* RU2-140	140	155	9	10		
* RU2-150	150	165	9	10		
* RU2-151	151	159	9	10		
* RU2-160	160	175	9	10		
* RU2-165	165	180	9	10		
* RU2-40	40	55	9	11		
* RU2-32	32	47	9.1	10		
* RU2-40	40	49.52	9.5	10.5		
* RU2-45	45	57.7	9.5	10.5		

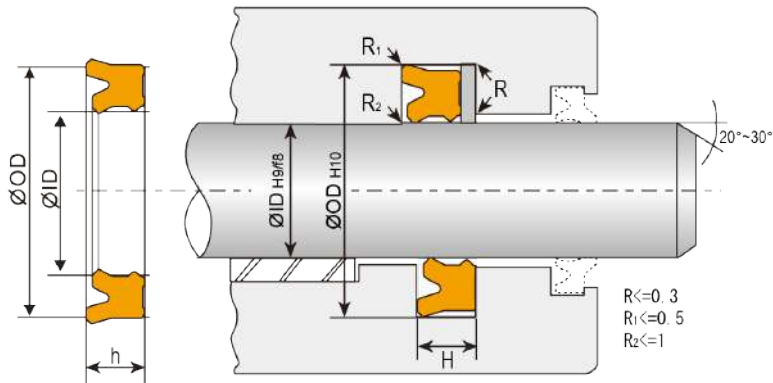
RU2 ROD SEAL



APPLICATION		
MATERIAL	TPU	PU
TEMP.	-40°C~120°C	-40°C~110°C
PRESSURE	400kgf/cm ²	400kgf/cm ²
SPEED	1m/s	1m/s

ITEM	ID	OD	h	H	OG	BU
* RU2-50	50	62.7	9.5	10.5		
* RU2-50	50	65	9.5	10.5		
* RU2-65	65	77.7	9.5	10.5		
* RU2-127	127	142.88	9.53	10.3		
* RU2-110	110	125	9.6	10.6		
* RU2-140	140	155	9.6	10.6		
* RU2-266.7	266.7	284	9.73	11.3		
* RU2-20	20	30	10	11		
* RU2-22	22	32	10	11		
* RU2-25	25	33	10	11		
* RU2-25	25	35	10	11		
* RU2-25	25	37	10	11		
* RU2-25	25	40	10	11		
RU2-30	30	40	10	11		•
* RU2-30	30	50	10	11		
* RU2-32	32	42	10	11		
* RU2-32	32	45	10	11		
* RU2-32	32	47	10	11		
* RU2-32	32	48	10	11		
* RU2-35	35	45	10	11	•	
* RU2-35	35	50	10	11		
* RU2-35.5	35.5	50.5	10	11		
* RU2-36	36	46	10	11		
* RU2-36	36	51	10	11		
* RU2-37	37	47	10	11		
* RU2-38	38	48	10	11		
RU2-38	38	50	10	11	•	
* RU2-38	38	53	10	11		
* RU2-40	40	50	10	11		
* RU2-40	40	55	10	11		
* RU2-42	42	52	10	11		
* RU2-45	45	55	10	11		
* RU2-45	45	60	10	11		
* RU2-45	45	65	10	11		
* RU2-48	48	60	10	11		
RU2-50	50	60	10	11		•
RU2-50	50	63	10	11		•
* RU2-50	50	65	10	11		

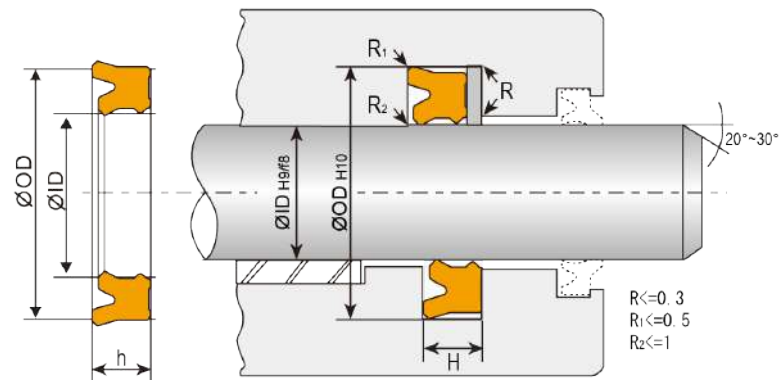
RU2 ROD SEAL



APPLICATION		
MATERIAL	TPU	PU
TEMP.	-40°C~120°C	-40°C~110°C
PRESSURE	400kgf/cm ²	400kgf/cm ²
SPEED	1m/s	1m/s

ITEM	ID	OD	h	H	OG	BU
RU2-55	55	65	10	11		•
* RU2-55	55	67	10	11		
* RU2-55	55	68	10	11	•	•
* RU2-56	56	66	10	11		
* RU2-56	56	71	10	11		
* RU2-60	60	70	10	11	•	•
* RU2-60	60	72	10	11		
* RU2-60	60	73	10	11	•	•
* RU2-60	60	75	10	11		
* RU2-63	63	78	10	11		
RU2-65	65	75	10	11		•
* RU2-65	65	78	10	11	•	•
* RU2-65	65	80	10	11	•	
* RU2-70	70	82	10	11		
* RU2-70	70	83	10	11	•	•
RU2-70	70	85	10	11	•	
* RU2-75	75	88	10	11	•	•
RU2-75	75	90	10	11	•	
* RU2-80	80	90	10	11		
* RU2-80	80	93	10	11	•	•
RU2-80	80	95	10	11	•	
* RU2-85	85	93	10	11		
RU2-85	85	100	10	11	•	•
RU2-90	90	105	10	11	•	
RU2-91	91	101	10	11		•
RU2-95	95	110	10	11	•	•
RU2-100	100	115	10	11	•	•
* RU2-105	105	113	10	11		
RU2-105	105	120	10	11	•	
* RU2-110	110	115	10	11		
RU2-110	110	120	10	11		•
RU2-110	110	130	10	11	•	•
RU2-120	120	140	10	11		
* RU2-125	125	133	10	11		
RU2-130	130	140	10	11		•
RU2-130	130	145	10	11	•	
RU2-150	150	160	10	11		•
* RU2-150	150	170	10	12.5		

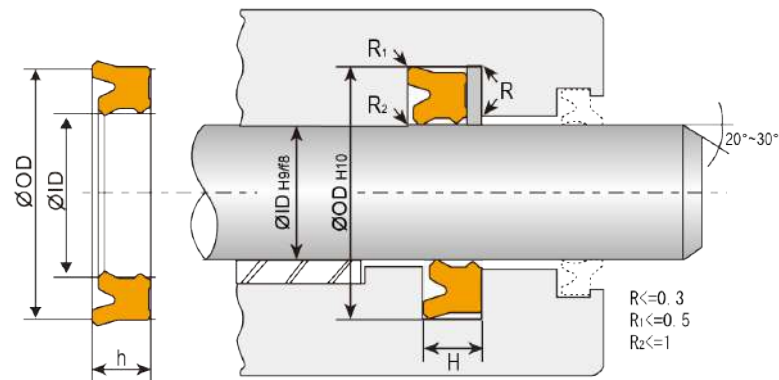
RU2 ROD SEAL



APPLICATION		
MATERIAL	TPU	PU
TEMP.	-40°C~120°C	-40°C~110°C
PRESSURE	400kgf/cm ²	400kgf/cm ²
SPEED	1m/s	1m/s

ITEM	ID	OD	h	H	OG	BU
* RU2-30	30	42	10.9	12		
* RU2-40	40	52	10.9	12		
* RU2-50	50	65	10.9	12		
* RU2-80	80	88	10.9	12		
* RU2-96	96	104	10.9	12		
* RU2-100	100	108	10.9	12		
* RU2-100	100	110	10.9	12		
* RU2-108	108	123	10.9	12		
* RU2-115	115	130	10.9	12		
* RU2-120	120	130	10.9	12		
* RU2-125	125	140	10.9	12		
* RU2-140	140	150	10.9	12		
* RU2-160	160	175	10.9	12		
* RU2-185	185	200	10.9	12		
* RU2-110	110	125	11	12		
* RU2-150	150	160	11	12		
RU2-170	170	181	11	12		•
RU2-192	192	203	11	12		•
* RU2-28	28	43	11.4	12.5		
* RU2-40	40	55	11.4	12.5		
* RU2-45	45	60	11.4	12.5		
RU2-50	50	65	11.4	12.5	•	•
* RU2-55	55	70	11.4	12.5	•	
* RU2-56	56	71	11.4	12.5		
* RU2-60	60	68	11.4	12.5		
* RU2-60	60	80	11.4	12.5		
* RU2-63	63	78	11.4	12.5		
* RU2-65	65	85	11.4	12.5		
RU2-70	70	85	11.4	12.5		•
* RU2-75	75	83	11.4	12.5		
* RU2-75	75	85	11.4	12.5		
* RU2-80	80	95	11.4	12.5		
* RU2-85	85	93	11.4	12.5		
* RU2-90	90	98	11.4	12.5		
* RU2-90	90	105	11.4	12.5		
* RU2-120	120	128	11.4	12.5		
* RU2-125	125	133	11.4	12.5		
* RU2-135	135	150	11.4	12.5		

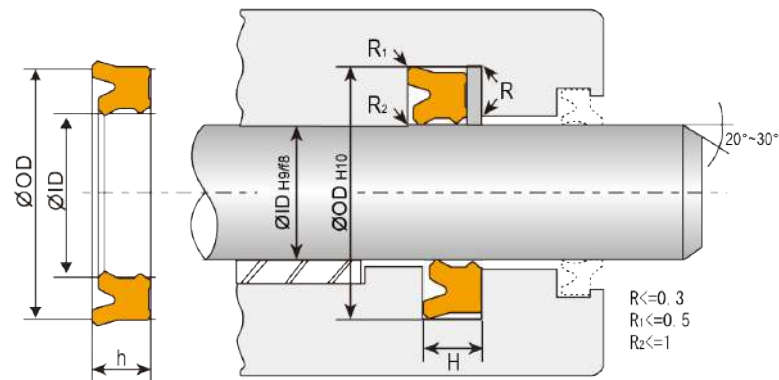
RU2 ROD SEAL



APPLICATION		
MATERIAL	TPU	PU
TEMP.	-40°C~120°C	-40°C~110°C
PRESSURE	400kgf/cm ²	400kgf/cm ²
SPEED	1m/s	1m/s

ITEM	ID	OD	h	H	OG	BU
* RU2-60	60	75	11.4	13		
* RU2-28	28	43	11.5	12.5		
* RU2-45	45	60	11.5	12.5		
* RU2-50	50	65	11.5	12.5		
* RU2-60	60	75	11.5	12.5		
* RU2-63	63	78	11.5	12.5		
* RU2-70	70	85	11.5	12.5		
* RU2-80	80	95	11.5	12.5		
* RU2-85	85	100	11.5	12.5		
* RU2-90	90	105	11.5	12.5		
* RU2-10	10	130	11.8	13		
* RU2-45	45	53	11.8	13		
* RU2-50	50	60	11.8	13		
* RU2-55	55	65	11.8	13		
* RU2-55	55	70	11.8	13	•	
* RU2-60	60	75	11.8	13		
* RU2-63	63	73	11.8	13		
* RU2-65	65	75	11.8	13		
* RU2-65	65	80	11.8	13	•	
* RU2-70	70	80	11.8	13		
RU2-75	75	85	11.8	13		•
* RU2-80	80	90	11.8	13		
* RU2-80	80	95	11.8	13		
* RU2-85	85	100	11.8	13		
* RU2-90	90	100	11.8	13		
* RU2-95	95	110	11.8	13		
* RU2-100	100	115	11.8	13		
* RU2-100	100	120	11.8	13		
* RU2-140	140	155	11.8	13		
* RU2-140	140	160	11.8	13		
* RU2-180	180	200	11.8	13		
* RU2-60	60	70	11.8	110		
RU2-40	40	60	12	13	•	•
RU2-45	45	65	12	13	•	•
RU2-50	50	70	12	13	•	•
* RU2-55	55	70	12	13		
RU2-55	55	75	12	13	•	•
RU2-60	60	80	12	13	•	•

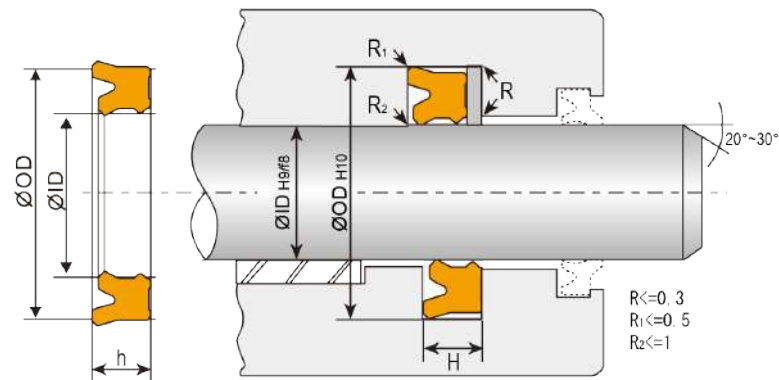
RU2 ROD SEAL



APPLICATION		
MATERIAL	TPU	PU
TEMP.	-40°C~120°C	-40°C~110°C
PRESSURE	400kgf/cm ²	400kgf/cm ²
SPEED	1m/s	1m/s

ITEM	ID	OD	h	H	OG	BU
* RU2-63	63	73	12	13		
RU2-65	65	85	12	13	•	
RU2-70	70	80	12	13	•	•
RU2-70	70	90	12	13	•	•
RU2-75	75	95	12	13	•	•
RU2-80	80	90	12	13	•	•
RU2-80	80	100	12	13	•	•
* RU2-85	85	100	12	13		
RU2-85	85	105	12	13	•	
RU2-90	90	100	12	13		•
* RU2-90	90	105	12	13	•	
RU2-90	90	110	12	13	•	
* RU2-95	95	110	12	13	•	
RU2-95	95	115	12	13	•	
RU2-100	100	115	12	13	•	
RU2-100	100	120	12	13	•	
RU2-105	105	125	12	13	•	
RU2-110	110	130	12	13	•	
RU2-115	115	135	12	13	•	
RU2-120	120	140	12	13	•	
RU2-130	130	150	12	13	•	
* RU2-150	150	160	12	13		
RU2-150	150	170	12	13	•	
* RU2-160	160	180	12	13		
RU2-170	170	190	12	13	•	
* RU2-200	200	220	12	13		
* RU2-100	100	115	12	16		
* RU2-205	205	220	12.2	13.5		
* RU2-125	125	150	12.5	14		
* RU2-152.4	152.4	171.45	12.7	13.49		
* RU2-165.1	165.1	184.15	12.7	13.49		
* RU2-105	105	115	13.2	14.5		
* RU2-132.5	132.5	157.5	13.2	14.5		
* RU2-150	150	170	13.2	14.5		
RU2-60	60	70	14	15		•
RU2-78	78	88	14	15		•
RU2-99	99	109	14	15		•
RU2-120	120	130	14	15		•

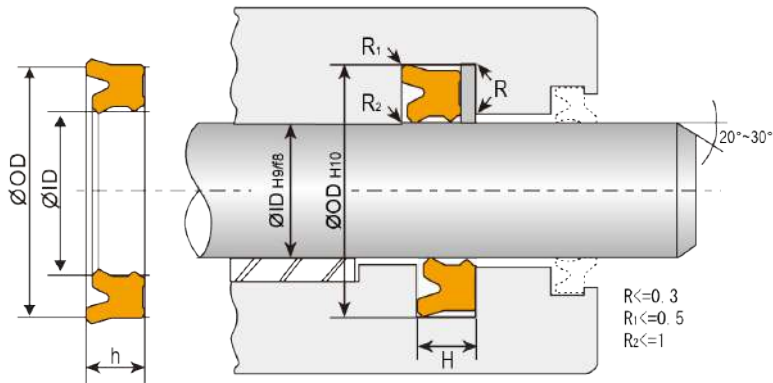
RU2 ROD SEAL



APPLICATION		
MATERIAL	TPU	PU
TEMP.	-40°C~120°C	-40°C~110°C
PRESSURE	400kgf/cm ²	400kgf/cm ²
SPEED	1m/s	1m/s

ITEM	ID	OD	h	H	OG	BU
RU2-141	141	151	14	15		•
RU2-162	162	172	14	15		•
RU2-180	180	190	14	15	•	•
RU2-183	183	193	14	15		•
RU2-207	207	217	14	15		•
* RU2-150	150	160	14.5	15.5		
* RU2-50	50	65	14.5	16		
* RU2-80	80	100	14.5	16		
* RU2-100	100	120	14.5	16		
* RU2-105	105	120	14.5	16		
* RU2-105	105	125	14.5	16		
* RU2-110	110	125	14.5	16		
* RU2-110	110	130	14.5	16		
* RU2-110	110	135	14.5	16		
* RU2-115	115	130	14.5	16		
* RU2-120	120	140	14.5	16		
* RU2-125	125	145	14.5	16		
* RU2-130	130	140	14.5	16		
* RU2-130	130	150	14.5	16		
* RU2-140	140	160	14.5	16		
* RU2-145	145	165	14.5	16		
* RU2-150	150	170	14.5	16		
* RU2-155	155	170	14.5	16		
* RU2-160	160	180	14.5	16		
* RU2-170	170	190	14.5	16		
* RU2-180	180	200	14.5	16		
* RU2-200	200	220	14.5	16		
* RU2-220	220	240	14.5	16		
RU2-100	100	110	15	16		•
* RU2-100	100	120	15	16	•	
* RU2-105	105	125	15	16	•	
* RU2-110	110	125	15	16	•	
RU2-110	110	130	15	16	•	
RU2-115	115	135	15	16		•
* RU2-120	120	135	15	16	•	
* RU2-120	120	140	15	16		
* RU2-125	125	145	15	16		
* RU2-130	130	150	15	16		

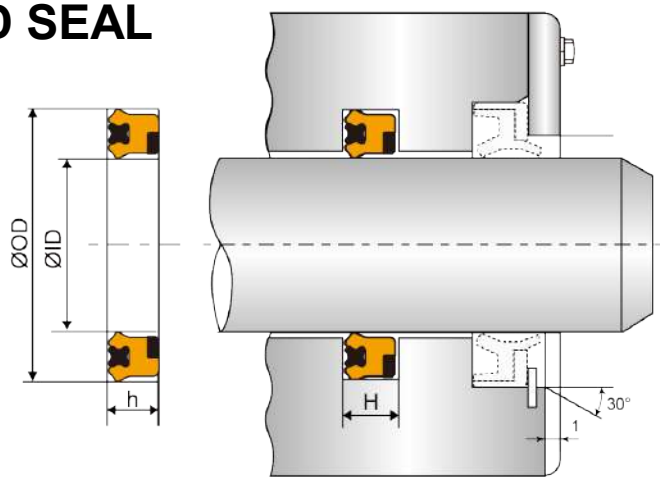
RU2 ROD SEAL



APPLICATION		
MATERIAL	TPU	PU
TEMP.	-40°C~120°C	-40°C~110°C
PRESSURE	400kgf/cm ²	400kgf/cm ²
SPEED	1m/s	1m/s

ITEM	ID	OD	h	H	OG	BU
RU2-140	140	150	15	16	•	•
* RU2-140	140	160	15	16		
* RU2-150	150	170	15	16		
RU2-160	160	170	15	16	•	•
* RU2-160	160	180	15	16		
* RU2-180	180	200	15	16		
* RU2-180	180	205	15	16		
* RU2-200	200	225	15	16		
* RU2-280	280	300	15	16		
RU2-115	115	135	16	17	•	•
RU2-130	130	150	16	17	•	
* RU2-80	80	110	16.4	18		
* RU2-170	170	200	18	19		
* RU2-200	200	230	18	19		
* RU2-225	225	250	18	19		
* RU2-330	330	350	18	20		
* RU2-160	160	185	18.2	20		
* RU2-180	180	205	18.2	20		
* RU2-200	200	225	18.2	20		
* RU2-190	190	215	18.5	20		
* RU2-60	60	75	20.5	22.5		
* RU2-70	70	85	20.5	22.5		
* RU2-220	220	250	22.7	25		
* RU2-230	230	260	22.7	25		
* RU2-250	250	280	22.7	25		

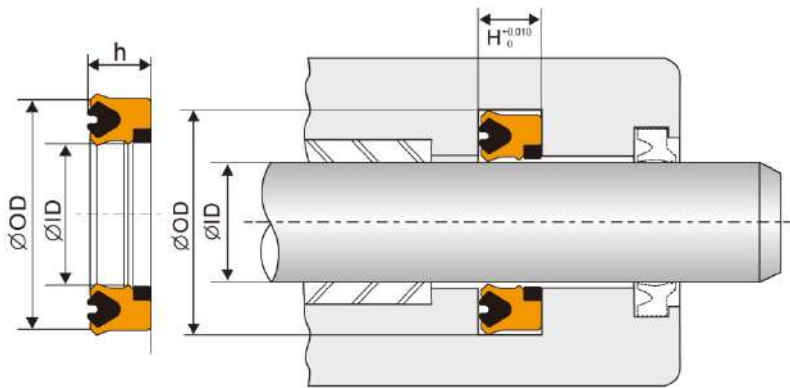
RXB ROD SEAL



APPLICATION	
MATERIAL	PU+NBR+POK
TEMP.	-40°C~120°C
PRESSURE	500 kgf/cm ²
SPEED	1 m/s

ITEM	ID	OD	h
* RXB-065	65	75	6
RXB-065	65	80	9
RXB-070	70	85	9
RXB-075	75	90	9
RXB-080	80	95	9
RXB-085	85	100	9
RXB-090	90	105	9
RXB-095	95	110	9
RXB-100	100	115	9

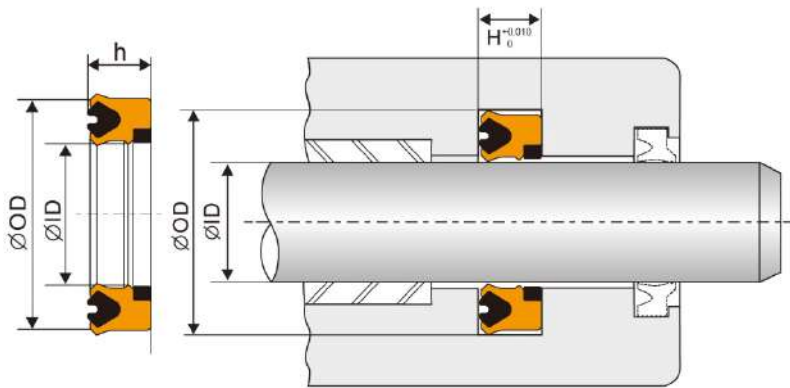
RP2 ROD SEAL



APPLICATION	
MATERIAL	PU+NBR+POM
TEMP.	-40°C~120°C
PRESSURE	500 kg/cm ²
SPEED	1 m/s

ITEM	ID	OD	h	H
* RP2-30	30	40	7.3	8
* RP2-36	36	46	7.3	8
* RP2-40	40	50	7.3	8
* RP2-45	45	55	7.3	8
* RP2-50	50	60	7.3	8
* RP2-55	55	70	9	10
* RP2-35	35	50	9.5	10.5
* RP2-30	30	40	10	11
* RP2-35	35	45	10	11
* RP2-40	40	50	10	11
* RP2-45	45	55	10	11
* RP2-50	50	60	10	11
* RP2-50	50	65	10	11
* RP2-55	55	65	10	11
* RP2-65	65	75	10	11
* RP2-65	65	80	10	11
* RP2-63	63	83	11.8	13
* RP2-45	45	60	12	13
RP2-50	50	65	12	13
* RP2-55	55	70	12	13
* RP2-56	56	71	12	13
RP2-60	60	75	12	13
* RP2-63	63	78	12	13
RP2-65	65	80	12	13
RP2-70	70	85	12	13
RP2-75	75	90	12	13
* RP2-75	75	95	12	13
RP2-80	80	95	12	13
RP2-85	85	100	12	13
RP2-85	85	105	12	13
RP2-90	90	105	12	13
* RP2-95	95	105	12	13
RP2-95	95	110	12	13
RP2-100	100	115	12	13
RP2-105	105	120	12	13
RP2-110	110	125	12	13
RP2-115	115	130	12	13

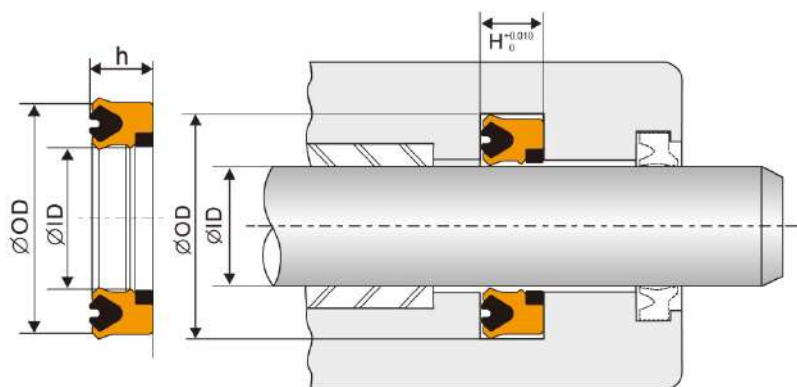
RP2 ROD SEAL



APPLICATION	
MATERIAL	PU+NBR+POM
TEMP.	-40°C~120°C
PRESSURE	500 kg/cm ²
SPEED	1 m/s

ITEM	ID	OD	h	H
RP2-120	120	135	12	13
* RP2-60	60	73	13	14
* RP2-65	65	80	13	14
* RP2-70	70	83	13	14
* RP2-75	75	88	13	14
* RP2-75	75	90	13	14
* RP2-80	80	93	13	14
* RP2-80	80	95	13	14
* RP2-85	85	100	13	14
* RP2-90	90	105	13	14
* RP2-95	95	110	13	14
RP2-100	100	115	13	14
RP2-105	105	120	13	14
RP2-110	110	125	13	14
RP2-110	110	130	13	14
RP2-115	115	130	13	14
RP2-120	120	140	13	14
* RP2-130	130	145	13	14
* RP2-140	140	155	13	14
* RP2-140	140	160	13	14
* RP2-75	75	95	14.6	16
* RP2-90	90	110	14.6	16
RP2-115	115	135	14.6	16
* RP2-120	120	135	14.6	16
* RP2-120	120	140	14.6	16
* RP2-125	125	145	14.6	16
* RP2-130	130	150	14.6	16
* RP2-140	140	160	14.6	16
* RP2-150	150	170	14.6	16
* RP2-160	160	180	14.6	16
* RP2-160	160	185	14.6	16
* RP2-180	180	200	14.6	16
* RP2-200	200	220	14.6	16
* RP2-215	215	235	14.6	16
RP2-85	85	105	15	16
RP2-95	95	115	15	16
RP2-100	100	120	15	16

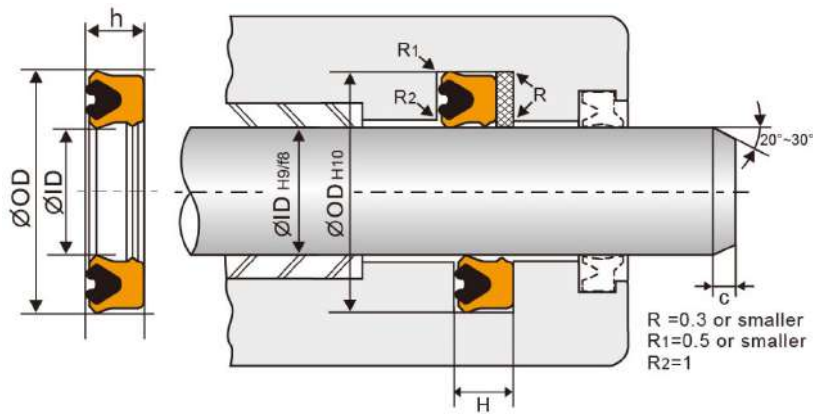
RP2 ROD SEAL



APPLICATION	
MATERIAL	PU+NBR+POM
TEMP.	-40°C~120°C
PRESSURE	500 kg/cm ²
SPEED	1 m/s

ITEM	ID	OD	h	H
RP2-105	105	125	15	16
RP2-110	110	130	15	16
RP2-115	115	135	15	16
RP2-120	120	140	15	16
* RP2-125	125	145	15	16
RP2-115	115	135	19	20

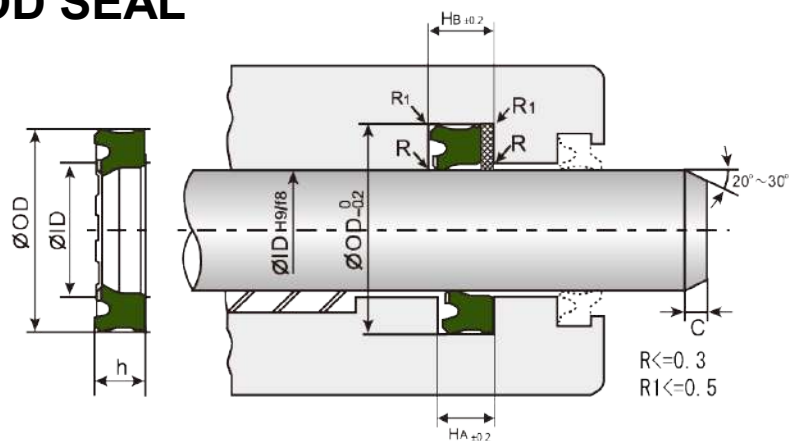
RV2 ROD SEAL



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

ITEM	ID	OD	h	H
RV2-055	55	70	9	10
RV2-060	60	75	9	10
RV2-065	65	80	9	10
RV2-070	70	85	9	10
RV2-075	75	90	9	10
RV2-080	80	95	9	10
RV2-085	85	100	9	10
RV2-090	90	105	9	10
RV2-095	95	110	9	10
RV2-100	100	115	9	10
RV2-105	105	120	9	10
RV2-110A	110	125	9	10
RV2-115	115	130	9	10
RV2-120	120	135	9	10
* RV2-130	130	145	9	10
RV2-085	85	105	12	13
RV2-090	90	110	12	13
RV2-095	95	115	12	13
RV2-100	100	120	12	13
RV2-105	105	125	12	13
RV2-110	110	130	12	13
RV2-115	115	135	12	13
RV2-120	120	140	12	13
RV2-130	130	150	12	13
RV2-140	140	160	12	13
RV2-180	180	190	14	15
RV2-150	150	160	14.5	15.5
* RV2-125	125	145	15	16
RV2-140	140	150	15	16
RV2-160	160	170	15	16

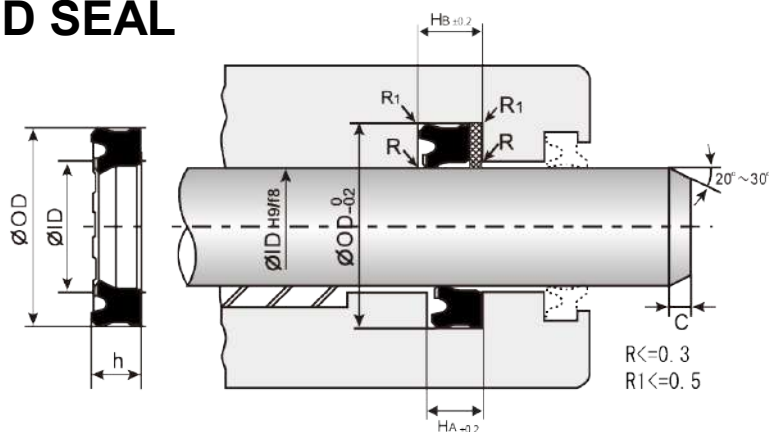
RUH ROD SEAL



APPLICATION	
MATERIAL	TPU
TEMP.	-35°C~120°C
PRESSURE	350kgf/cm ²
SPEED	1m/s

ITEM	ID	OD	h	H _A	H _B	C
RUH-040	40	50	7	8	11	3
RUH-045	45	55	7	8	11	3
RUH-050	50	63	10	11	14	3
RUH-055	55	68	10	11	14	3
RUH-060	60	73	10	11	14	3
RUH-065	65	78	10	11	14	3
RUH-070	70	83	10	11	14	4
RUH-075	75	88	10	11	14	4
RUH-080	80	93	10	11	14	4
RUH-085	85	100	10	11	14	4
RUH-090	90	105	10	11	14	4
RUH-095	95	110	10.5	11.5	14.5	4
RUH-100	100	115	10	11	14	4
RUH-110	110	130	10	11	14	4
RUH-120	120	140	10	11	14	4

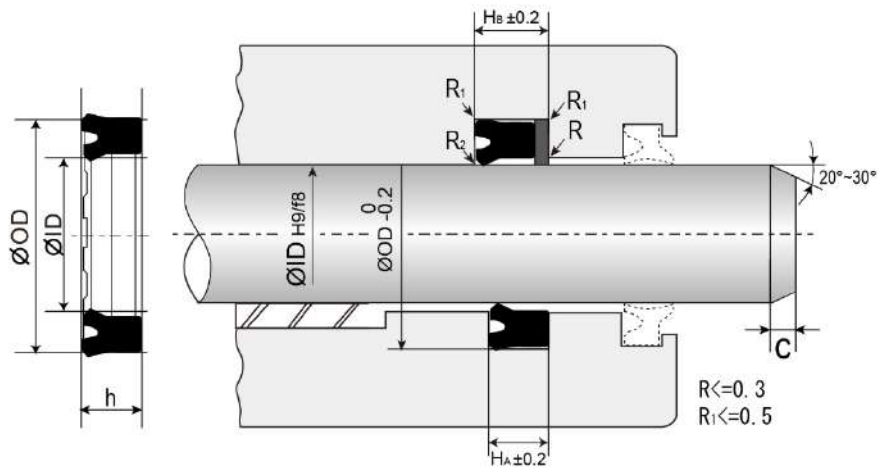
RUH ROD SEAL



APPLICATION	
MATERIAL	NBR
TEMP.	-35°C~120 °C
PRESSURE	210kgf/cm ²
SPEED	1.0 m/s

ITEM	ID	OD	h	HA	HB	C
* RUH-040	40	50	7	8	11	3
* RUH-045	45	55	7	8	11	3
RUH-050	50	63	10	11	14	3
RUH-055	55	68	10	11	14	4
RUH-060	60	73	10	11	14	4
RUH-065	65	78	10	11	14	4
RUH-070	70	83	10	11	14	6
RUH-075	75	88	10	11	14	4
RUH-080	80	93	10	11	14	4
RUH-085	85	100	10	11	14	4
* RUH-090	90	105	10	10	13	4
RUH-095	95	110	10.5	11	14	4
RUH-100	100	115	10	11	14	4
* RUH-110	110	130	10	11	14	4
RUH-120	120	140	10	11	14	4
RUH-140	140	160	12	13	16	5

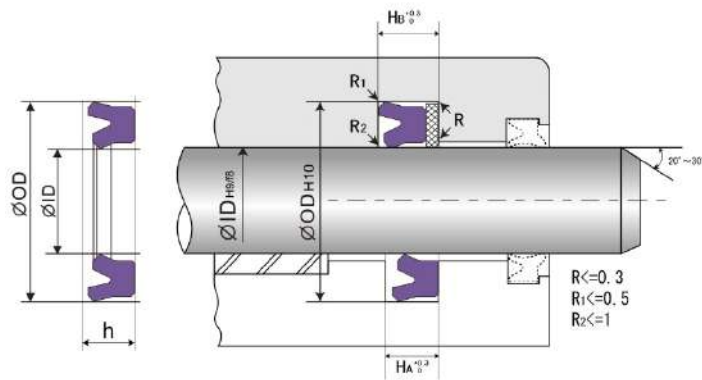
RKH ROD SEAL



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

ITEM	ID	OD	h	HA	HB	C
RKH-065	65	80	9	10	13	4
RKH-070	70	85	9	10	13	4
RKH-075	75	90	9	10	13	4
RKH-080	80	95	9	10	13	4
RKH-085	85	100	9	10	13	4
RKH-090	90	105	9	10	13	4
RKH-095	95	110	9	10	13	4
RKH-100	100	115	9	10	13	4
RKH-105	105	120	9	10	13	4
RKH-110	110	125	9	10	13	4
RKH-115	115	130	9	10	13	4
RKH-130	130	142	9	10	13	4
RKH-085	85	105	12			
RKH-095	95	115	12			
RKH-100	100	120	12			
RKH-115	115	135	12			

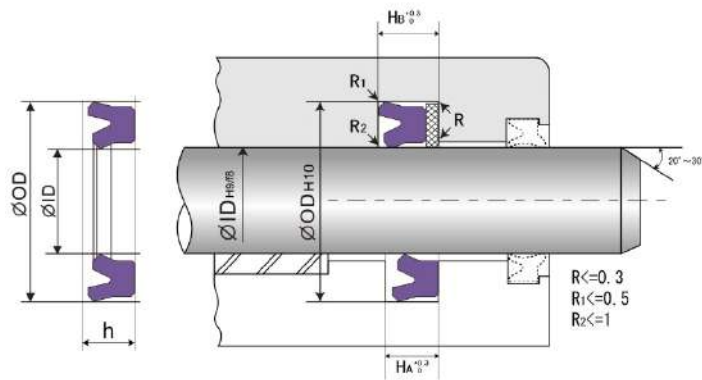
RUS ROD SEAL



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

ITEM	ID	OD	h	HA	HB
RUS-010	10	16	4.5		
RUS-020	20	28	5	5.7	7.7
* RUS-022.4	22.4	30	5	5.7	7.7
* RUS-022.4	22.4	30.4	5	5.7	7.7
* RUS-023.5	23.5	31.5	5	5.7	7.7
RUS-025	25	33	5	5.7	7.7
RUS-025	25	35	5	5.7	7.7
* RUS-028	28	35.5	5	5.7	8.7
* RUS-028	28	36	5	5.7	8.7
RUS-030	30	40	6	7	10
RUS-031.5	31.5	41.5	6	7	10
RUS-032	32	42	6	7	10
RUS-035	35	45	6	7	10
RUS-035.5	35.5	45	6	7	10
* RUS-035.5	35.5	45.5	6	7	10
RUS-040	40	50	6	7	10
RUS-045	45	55	6	7	10
RUS-050	50	60	6	7	10
* RUS-053	53	63	6	7	10
RUS-055	55	65	6	7	10
RUS-056	56	66	6	7	10
RUS-058	58	68	6	7	10
RUS-060	60	70	6	7	10
* RUS-063	63	73	6	7	10
* RUS-065	65	75	6	7	10
* RUS-067	67	77	6	7	10
RUS-070	70	80	6	7	10
* RUS-071	71	81	6	7	10
RUS-075	75	85	6	7	10
RUS-080	80	90	6	7	10
* RUS-045	45	56	7	8	11
* RUS-060	60	71	7	8	11
* RUS-098	98	112	8.5	9.5	12.5
* RUS-106	106	120	8.5	9.5	12.5
* RUS-136	136	150	8.5	9.5	12.5
* RUS-085	85	100	9	10	13
* RUS-090	90	105	9	10	13

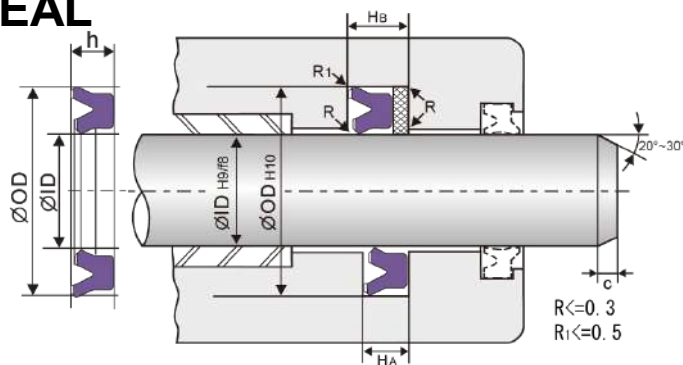
RUS ROD SEAL



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

ITEM	ID	OD	h	HA	HB
* RUS-095	95	110	9	10	13
* RUS-100	100	115	9	10	13
* RUS-105	105	120	9	10	13
* RUS-106	106	121	9	10	13
* RUS-110	110	125	9	10	13
RUS-112	112	125	9	10	13
RUS-115	115	130	9	10	13
RUS-118	118	133	9	10	13
RUS-120	120	135	9	10	13
* RUS-125	125	140	9	10	13
* RUS-130	130	145	9	10	13
RUS-135	135	150	9	10	13
RUS-140	140	155	9	10	13
* RUS-145	145	160	9	10	13
* RUS-150	150	165	9	10	13
* RUS-156	155	170	9	10	14
* RUS-160	160	175	9	10	14
* RUS-165	165	180	9	10	14
* RUS-170	170	185	9	10	14
* RUS-175	175	190	9	10	14
* RUS-180	180	200	12	13	17
RUS-190	190	210	12	13	17
* RUS-200	200	220	12	13	17
* RUS-204	204	224	12	13	17
* RUS-210	210	230	12	13	17
* RUS-220	220	240	12	13	17
* RUS-225	225	245	12	13	17
* RUS-230	230	250	12	13	17
* RUS-240	240	260	12	13	17
* RUS-250	250	270	12	13	17
* RUS-260	260	285	16	17	21
* RUS-270	270	295	16	17	21
* RUS-280	280	305	16	17	21
* RUS-290	290	315	16	17	21
* RUS-300	300	325	16	17	21

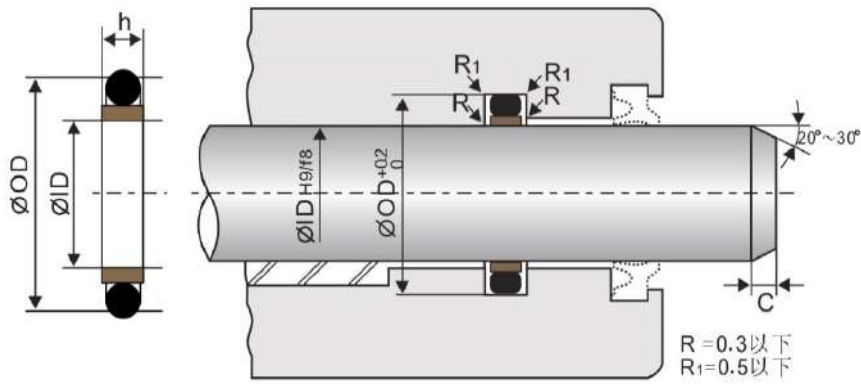
IUIS ROD SEAL



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

ITEM	ID	OD	h
IUIS-040	40	50	6
IUIS-045	45	55	6
IUIS-050	50	60	6
IUIS-053	53	63	6
IUIS-055	55	65	6
IUIS-060	60	70	6
IUIS-065	65	75	6
IUIS-066	66	76	6
IUIS-068	68	78	6
IUIS-070	70	80	6
IUIS-075	75	85	6
IUIS-077.5	77.5	87.5	6
IUIS-108	108	118	6
IUIS-132	132	142	6
IUIS-136	136	146	6
IUIS-140	140	150	6
IUIS-145	145	155	6
IUIS-155	155	165	6
IUIS-098	98	112	8.5
IUIS-085	85	100	9
IUIS-100	100	115	9
IUIS-105	105	120	9
IUIS-130	130	145	9
IUIS-140	140	155	9
IUIS-135	135	150	9
IUIS-145	145	160	9
IUIS-150	150	165	9
IUIS-155	155	170	9
IUIS-160	160	175	9
IUIS-170	170	185	9
IUIS-180	180	200	12
IUIS-185	185	205	12
IUIS-190	190	210	12
RUN-135.8	135.8	150.9	9.6
IUI-92.4	92.4	102.4	8

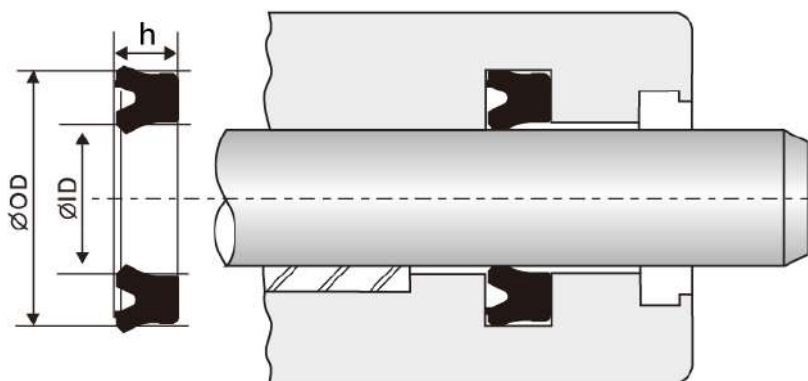
SPNO ROD SEAL



APPLICATION	
MATERIAL	PTFE+NBR
TEMP.	-35°C~110°C
PRESSURE	350kgf/cm ²
SPEED	1.5m/s

ITEM	ID	OD	h
SPNO-017	17	21	1.6
SPNO-060	60	67.5	3
SPNO-012	12	20	3.2
SPNO-014	14	22	3.2
SPNO-016	16	24	3.2
SPNO-018	18	26	3.2
SPNO-020	20	28	3.2
SPNO-025	25	32	3.2
SPNO-025	25	33	3.2
SPNO-028	28	36	3.2
SPNO-032	32	39.3	3.2
SPNO-080	80	90	3.6
SPNO-080	80	90	3.7
SPNO-030	30	40	4.2
SPNO-035	35	45	4.2
SPNO-050	50	60	4.2
SPNO-053	53	63	4.2
SPNO-055	55	65	4.2
SPNO-065	65	75	4.2
SPNO-070	70	80	4.2
SPNO-075	75	85	4.2
SPNO-080	80	90	4.2
SPNO-100	100	115.1	6.3

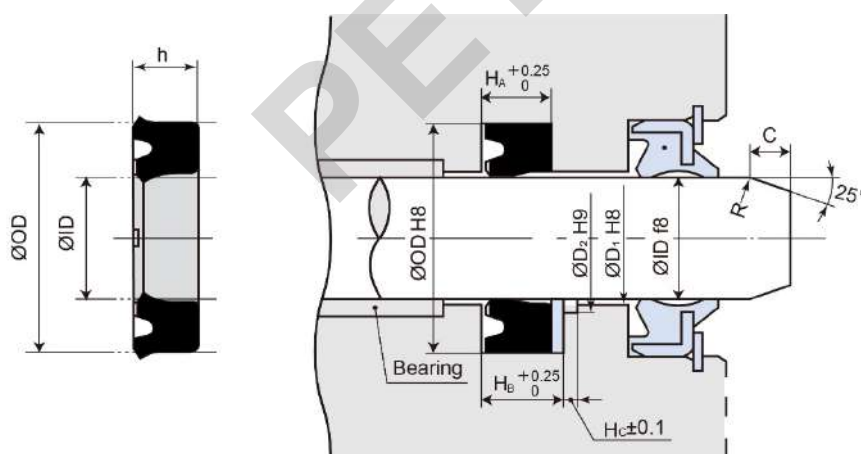
UHR ROD SEAL



APPLICATION	
MATERIAL	NBR
TEMP.	-30°C~100°C
PRESSURE	140kgf/cm ²
SPEED	0.5 m/s

ITEM	ID	OD	h
UHR-022	22	30	5
UHR-025	25	33	5
UHR-028	28	35.5	5
UHR-030	30	40	6
UHR-040	40	50	6
UHR-040A	40	53	8
UHR-045	45	55	6
UHR-050	50	60	6
UHR-055	55	65	6
UHR-060	60	70	6
UHR-060	60	73	8

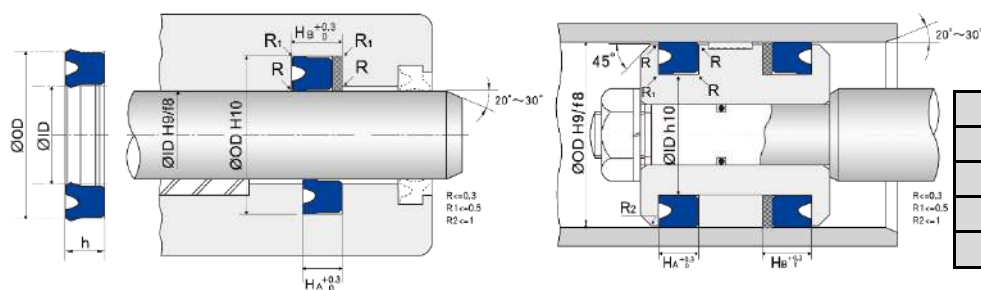
RUY ROD SEAL



APPLICATION	
MATERIAL	NBR
TEMP.	-30°C~100°C
PRESSURE	175kgf/cm ²
SPEED	1 m/s

ITEM	OD	ID	h
RUY-050	50	63	8

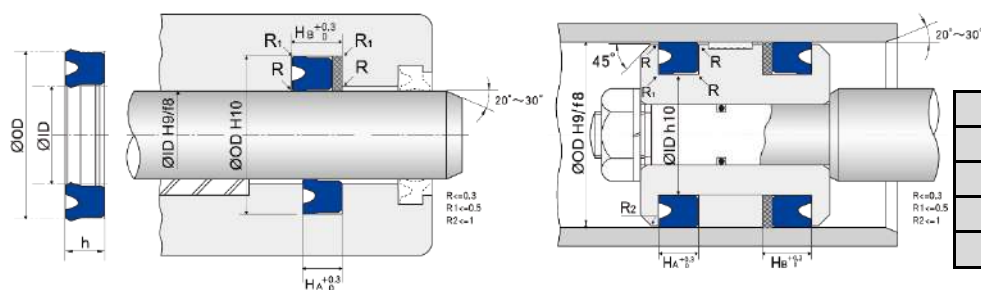
UA2 PISTON & ROD SEAL



APPLICATION	
MATERIAL	TPU
TEMP.	-35°C~100°C
PRESSURE	210kgf/cm ²
SPEED	1m/s

ITEM	ID	OD	h	HA	HB
UA2-019.05	19.05	25.4	3.2		
UA2-06	6	10	4.2		
UA2-06	6	12	5	6	8
UA2-06	6	13	5	6.5	8.5
UA2-09	9	17	5	6.5	8.5
UA2-010	10	18	5	5.7	7.7
UA2-011.2	11.2	19.2	5	5.7	7.2
UA2-012	12	20	5	5.7	7.7
UA2-012.5	12.5	20	5	5.7	7.7
UA2-014	14	22	5	5.7	7.2
UA2-015	15	22	5	6	8
* UA2-015	15	23	5	5.7	7.7
UA2-016	16	24	5	5.7	7.2
UA2-017	17	25	5	5.7	7.7
UA2-018	18	26	5	5.7	7.2
* UA2-019	19	26	5	5.7	7.7
UA2-020	20	28	5	5.7	7.2
* UA2-020	20	30	5	16	
UA2-022	22	30	5	5.7	7.7
UA2-022	22	32	5		
UA2-022.4	22.4	30	5	5.7	7.2
UA2-023.5	23.5	31.5	5	5.7	7.2
UA2-024	24	30	5		
UA2-024	24	32	5	5.7	7.7
UA2-025	25	32	5		
UA2-025	25	33	5	5.7	7.2
* UA2-025	25	35	5		
UA2-026	26	32	5		
UA2-026	26	34	5	5.7	8.7
UA2-027	27	35	5	5.7	8.7
UA2-028	28	35.5	5	5.7	7.2
* UA2-028	28	36	5	5.7	8.7
* UA2-029	29	35	5		
UA2-030	30	38	5	5.7	8.7
UA2-032	32	40	5		
UA2-022	22	30	5.3		
UA2-050	50	60	5.7		
UA2-020	20	30	6	7	9
UA2-025	25	35	6	7	9
UA2-028	28	38	6		

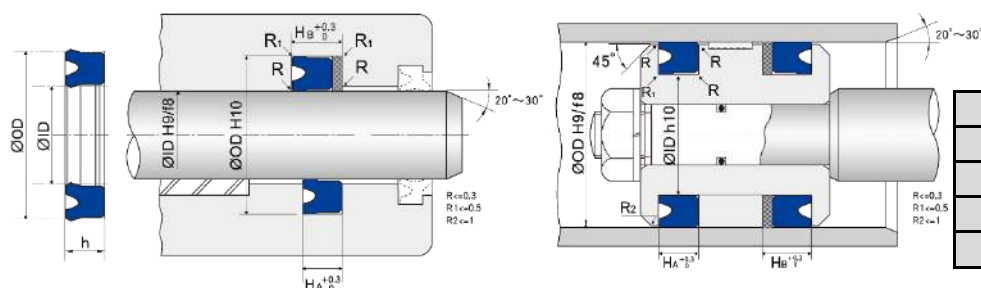
UA2 PISTON & ROD SEAL



APPLICATION	
MATERIAL	TPU
TEMP.	-35°C~100°C
PRESSURE	210kgf/cm ²
SPEED	1m/s

ITEM	ID	OD	h	HA	HB
UA2-030	30	37	6	7	9
UA2-030	30	38	6		
UA2-030	30	40	6	7	9
UA2-031.5	31.5	41.5	6	7	9
UA2-032	32	40	6		
UA2-032	32	42	6	7	9
UA2-033	33	43	6	6	10
UA2-034	34	44	6	7	10
UA2-035	35	45	6	7	9
UA2-035.5	35.5	45	6	7	9
* UA2-035.5	35.5	45.5	6	7	10
UA2-036	36	44	6		
UA2-036	36	46	6	6	10
UA2-038	38	48	6	7	9
UA2-040	40	47	6		
UA2-040	40	48	6		
UA2-040	40	50	6	7	9
UA2-042	42	52	6		
UA2-045	45	55	6	7	9
UA2-046	46	56	6	7	10
UA2-048	48	58	6		
UA2-050	50	60	6	7	9
UA2-053	53	63	6	7	9
UA2-055	55	65	6	7	9
UA2-056	56	66	6	7	9
UA2-058	58	68	6	7	9
UA2-060	60	70	6	7	9
UA2-061	61	71	6	6	10
UA2-063	63	73	6	7	9
UA2-065	65	75	6	7	9
UA2-067	67	77	6	7	9
UA2-070	70	80	6	7	9
UA2-071	71	80	6	7	9
* UA2-071	71	81	6		
UA2-075	75	85	6	7	9
* UA2-076	76	88	6		
UA2-080	80	90	6	7	9
UA2-085	85	95	6	7	10
UA2-090	90	100	6	7	10
* UA2-100	100	110	6		

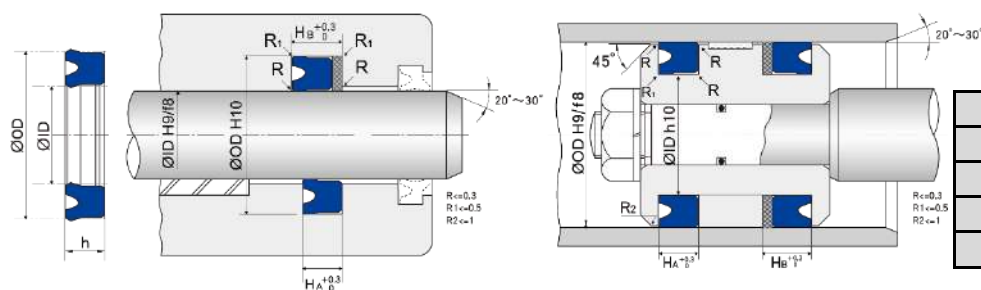
UA2 PISTON & ROD SEAL



APPLICATION	
MATERIAL	TPU
TEMP.	-35°C~100°C
PRESSURE	210kgf/cm ²
SPEED	1m/s

ITEM	ID	OD	h	HA	HB
* UA2-140	140	150	6		
* UA2-155	155	165	6		
UA2-037	37	45	6.3		
* UA2-036	36	46	6.4		
* UA2-056	56	66	6.5		
UA2-028	28	38	7		
UA2-030	30	40	7		
* UA2-035	35	42	7		
* UA2-035	35	45	7	8	10
UA2-036	36	46	7		
* UA2-040	40	46	7		
UA2-045	45	56	7	8	10
UA2-050	50	60	7		
UA2-060	60	71	7	8	10
* UA2-140	140	150	7		
UA2-028	28	38	7.3		
* UA2-036	36	46	7.3		
* UA2-040	40	50	7.3		
* UA2-022	22	32	8	9	12
UA2-028	28	38	8	9	12
UA2-032	32	40	8	9	12
* UA2-036	36	48	8		
UA2-040	40	50	8		
* UA2-045	45	53	8		
* UA2-045	45	55	8		
* UA2-050	50	60	8		
* UA2-050	50	63	8		
* UA2-055	55	65	8		
* UA2-065	65	73	8		
* UA2-080	80	90	8	9	12
UA2-086	86	100	8.5	9.5	12.5
UA2-098	98	112	8.5	9.5	12.5
UA2-106	106	120	8.5	9.5	12.5
UA2-118	118	132	8.5	9.5	12.5
UA2-132	132	145	8.5	9.5	12.5
UA2-136	136	150	8.5	9.5	12.5
* UA2-025	25	40	9		
* UA2-030	30	45	9		
* UA2-035	35	50	9		
* UA2-040	40	55	9		

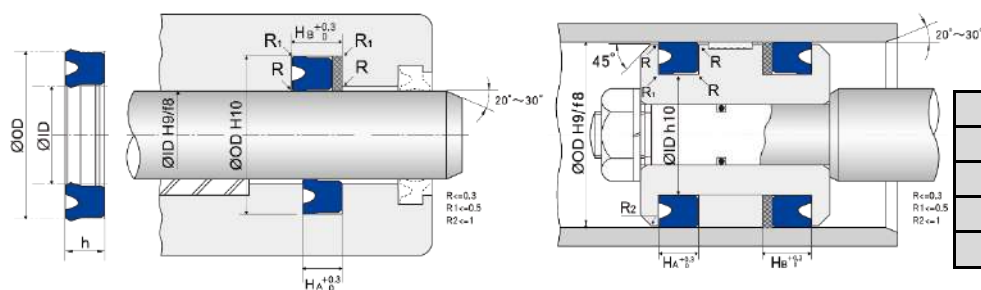
UA2 PISTON & ROD SEAL



APPLICATION	
MATERIAL	TPU
TEMP.	-35°C~100°C
PRESSURE	210kgf/cm ²
SPEED	1m/s

ITEM	ID	OD	h	HA	HB
* UA2-045	45	60	9		
UA2-050	50	60	9		
* UA2-050	50	65	9		
* UA2-050	50	70	9		
* UA2-055	55	70	9		
* UA2-057.15	57.15	73.03	9		
* UA2-060	60	75	9		
* UA2-065	65	80	9		
UA2-070	70	85	9		
* UA2-072	72	87	9		
* UA2-075	75	90	9		
* UA2-077	77	92	9		
* UA2-080	80	93	9		
UA2-080	80	95	9	10	13
* UA2-080	80	100	9		
UA2-085	85	100	9	10	13
UA2-089	89	104	9	10	13
UA2-090	90	105	9	10	13
UA2-095	95	110	9	10	13
UA2-096	96	111	9	10	13
* UA2-097	97	112	9		
UA2-098	98	112	9	10	13
* UA2-098	98	113	9		
UA2-100	100	115	9	10	13
UA2-105	105	120	9	10	13
UA2-110	110	125	9	10	13
UA2-112	112	125	9	10	13
UA2-115	115	130	9	10	13
* UA2-118	118	133	9		
UA2-120	120	135	9		
UA2-125	125	140	9	10	13
UA2-130	130	145	9		
UA2-135	135	150	9		
UA2-136	136	150	9	10	13
UA2-140	140	155	9	10	13
UA2-145	145	160	9	10	13
UA2-150	150	165	9	9	13
* UA2-155	155	170	9		
UA2-160	160	175	9		13
UA2-165	165	180	9		13

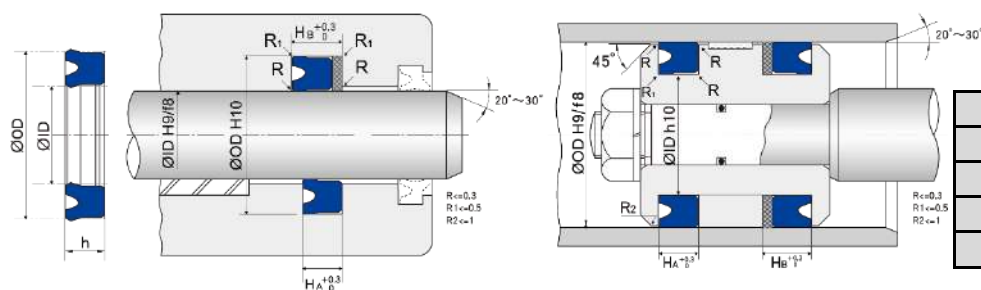
UA2 PISTON & ROD SEAL



APPLICATION	
MATERIAL	TPU
TEMP.	-35°C~100°C
PRESSURE	210kgf/cm ²
SPEED	1m/s

ITEM	ID	OD	h	HA	HB
* UA2-170	170	185	9		
UA2-175	175	190	9		
UA2-185	185	200	9	9	
* UA2-050.8	50.8	63.5	9.52	9.52	
* UA2-063.5	63.5	76.2	9.52		
* UA2-028	28	40	10	10	
* UA2-030	30	45	10	10	
* UA2-032	32	48	10	10	
* UA2-033	33	43	10		
* UA2-035	35	50	10	10	
* UA2-045	45	55	10	10	
UA2-045	45	58	10	10	
* UA2-045	45	60	10	10	
* UA2-050	50	63	10		
* UA2-050	50	65	10	10	
* UA2-055	55	68	10		
* UA2-055	55	70	10	10	
* UA2-055	55	71	10		
* UA2-060	60	70	10		
* UA2-060	60	73	10		
* UA2-060	60	76	10		
* UA2-065	65	78	10		
* UA2-065	65	80	10	10	
* UA2-065	65	85	10		
* UA2-070	70	83	10		
* UA2-070	70	85	10		
* UA2-075	75	88	10		
* UA2-075	75	90	10	10	
* UA2-080	80	93	10		
* UA2-080	80	95	10		
* UA2-085	85	100	10		
* UA2-090	90	105	10		
* UA2-090	90	110	10	10	
* UA2-095	95	110	10	10	
* UA2-100	100	115	10		
* UA2-105	105	120	10		
* UA2-110	110	125	10		
* UA2-110	110	130	10	10	
* UA2-115	115	130	10	10	
* UA2-120	120	135	10		

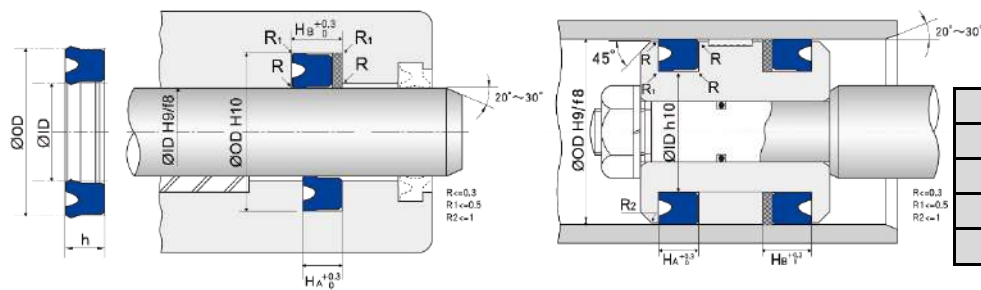
UA2 PISTON & ROD SEAL



APPLICATION	
MATERIAL	TPU
TEMP.	-35°C~100°C
PRESSURE	210kgf/cm ²
SPEED	1m/s

ITEM	ID	OD	h	HA	HB
* UA2-120	120	140	10	10	
* UA2-130	130	145	10		
* UA2-156	156	171	10		
* UA2-063	63	78	11.5		
* UA2-034	34	50	12		
* UA2-040	40	60	12	12	
* UA2-045	45	65	12	12	
* UA2-050	50	65	12	12	
* UA2-050	50	70	12	12	
* UA2-055	55	71	12		
* UA2-055	55	75	12	12	
* UA2-060	60	76	12		
* UA2-060	60	80	12	12	
* UA2-063	63	83	12	12	
* UA2-065	65	80	12	12	
* UA2-065	65	85	12	12	
UA2-070	70	80	12	12	
* UA2-070	70	90	12	12	
* UA2-075	75	95	12	12	
* UA2-080	80	100	12	12	
* UA2-085	85	105	12	12	
* UA2-090	90	110	12	12	
* UA2-095	95	115	12	12	
* UA2-100	100	120	12	12	
* UA2-105	105	125	12		
* UA2-110	110	130	12		
* UA2-115	115	135	12		
* UA2-120	120	140	12		
* UA2-125	125	145	12		
* UA2-130	130	150	12		
* UA2-140	140	160	12		
* UA2-140	140	165	12		
* UA2-150	150	170	12		
* UA2-160	160	180	12		
* UA2-170	170	190	12		
* UA2-175	175	200	12		
UA2-180	180	200	12	12	16
UA2-190	190	210	12		
UA2-200	200	220	12	12	16
* UA2-210	210	230	12		

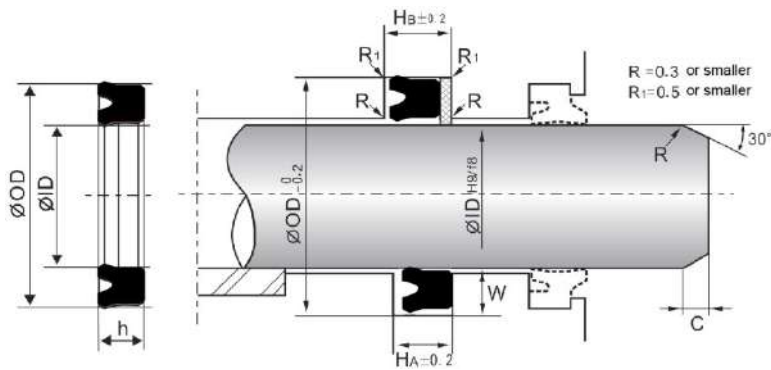
UA2 PISTON & ROD SEAL



APPLICATION	
MATERIAL	TPU
TEMP.	-35°C~100°C
PRESSURE	210kgf/cm ²
SPEED	1m/s

ITEM	ID	OD	h	HA	HB
* UA2-220	220	240	12		
* UA2-230	230	250	12	12	
* UA2-240	240	260	12		
* UA2-180	180	200	12.5		
* UA2-089	89	105	12.7		
* UA2-090	90	110	13		
* UA2-100	100	112	14		
* UA2-065	65	90	15	15	
* UA2-100	100	120	15	15	
* UA2-105	105	125	15		
* UA2-112	112	132	15		
UA2-200	200	225	15	16	
* UA2-110	110	130	16	17	
* UA2-115	115	135	16	17	
* UA2-120	120	140	16	17	
* UA2-127	127	147	16	17	
* UA2-130	130	150	16	17	
* UA2-180	180	200	16	17	
* UA2-205	205	230	16		
* UA2-220	220	225	16	17	
* UA2-225	225	250	16	17	
* UA2-230	230	255	16	17	
* UA2-250	250	270	16	17	
* UA2-320	320	350	18	20	
* UA2-230	230	255	19	20	
* UA2-260	260	285	19	20	
* UA2-300	300	330	19	20	
* UA2-360	360	390	22	24	

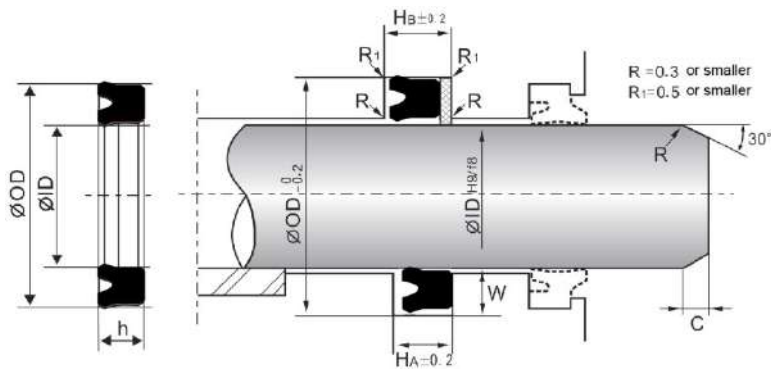
UA PISTON & ROD SEAL



APPLICATION		
MATERIAL	NBR	FKM
TEMP.	-25°C~100°C	-10°C~150°C
PRESSURE	140kgf/cm ²	140kgf/cm ²
SPEED	1m/s	1m/s

ITEM	ID	OD	h	D1	HA	HB	C
UA-014	14	20	3.5	19	4.2	6.2	2
UA-012	12	18	4	17			
UA-020	20	28	4	27			
UA-013	13	19	4.5	18	5.2	7.7	2
UA-008	8	16	4.6	15			
UA-008	8	16	5	15	5.7	7.7	2
UA-11.2	11.2	19.2	5	18.2	5.7	7.2	2
UA-012	12	18	5	17	5.7		
UA-012	12	20	5	19	5.7	7.7	2
UA-014	14	22	5	21	5.7	7.7	2
UA-016	16	24	5	23	5.7	7.7	2
UA-018	18	25	5	24	5.7	7.7	2
UA-018	18	26	5	25	5.7	7.7	2
UA-020	20	28	5	27	5.7	7.7	2
UA-022	22	30	5	29	5.7	7.7	2
UA-022.4	22.4	30	5	29	5.7	7.7	2
* UA-022.4	22.4	30.4	5	29	5.7	7.7	2
UA-023.5	23.5	31.5	5	30.5	5.7	7.7	2
UA-024	24	32	5	31	5.7	7.7	2
UA-025	25	33	5	32	5.7	7.7	2.5
UA-025	25	35	5	34	5.7		
UA-027	27	35	5	34	5.7	8.7	2.5
UA-028	28	35.5	5	34.5	5.7	8.7	2.5
UA-028A	28	36	5	35	5.7	8.7	2.5
UA-040	40	50	5	49	5.7		
UA-030	30	40	6	39	7	10	2.5
UA-031.5	31.5	41.5	6	40.5	7	10	2.5
UA-032	32	42	6	41	7	10	2.5
UA-035	35	45	6	44	7	10	2.5
UA-035.5A	35.5	45	6	44	7	10	2.5
UA-036	36	46	6	45	7	10	2.5
UA-038	38	48	6	47	7	9	3
UA-040	40	50	6	49	7	10	2.5
UA-045	45	55	6	54	7	10	2.5
UA-050	50	60	6	59	7	10	2.5
UA-053	53	63	6	62	7	10	2.5
UA-055	55	65	6	64	7	10	2.5

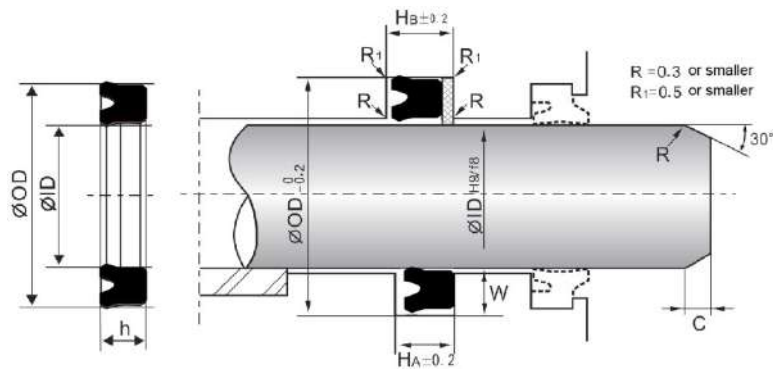
UA PISTON & ROD SEAL



APPLICATION		
MATERIAL	NBR	FKM
TEMP.	-25°C~100°C	-10°C~150°C
PRESSURE	140kgf/cm ²	140kgf/cm ²
SPEED	1m/s	1m/s

ITEM	ID	OD	h	D1	HA	HB	C
UA-056	56	66	6	65	7	10	2.5
UA-058	58	68	6	67	7	10	2.5
UA-060	60	70	6	69	7	10	2.5
UA-063	63	73	6	72	7	10	2.5
UA-065	65	75	6	74	7	10	2.5
UA-067	67	77	6	76	7	10	2.5
UA-070	70	80	6	79	7	10	2.5
UA-071	71	80	6	79	7	10	2.5
UA-075	75	85	6	84	7	10	2.5
UA-080	80	90	6	89	7	10	2.5
UA-085A	85	95	6	94	7	10	4
UA-090	90	100	6	99	7	10	4
UA-045A	45	56	7	55	8	11	2.5
UA-060A	60	71	7	70	8	11	2.5
UA-010	10	20	8	19	9	11	2
* UA-098	98	112	8.5	110	9.5	12.5	4
UA-106	106	120	8.5	118	9.5	12.5	4
* UA-112	112	125	8.5	123	9.5	12.5	4
* UA-115	115	130	8.5	128	9.5	12.5	4
* UA-118	118	132	8.5	130	9.5	12.5	4
UA-132	132	145	8.5	143	9.5	12.5	4
UA-136	136	150	8.5	148	9.5	12.5	4
UA-085	85	100	9	98	10	13	4
UA-090	90	105	9	103	10	13	4
UA-095	95	110	9	108	10	13	4
UA-100	100	115	9	113	10	13	4
UA-105	105	120	9	118	10	13	4
UA-110	110	125	9	123	10	13	4
UA-112A	112	125	9	123	10	13	4
UA-115	115	130	9	128	10	13	4
UA-120	120	135	9	133	10	13	4
UA-125	125	140	9	138	10	13	4
UA-130	130	145	9	143	10	13	4
UA-135	135	150	9	148	10	13	4
* UA-136	136	150	9	148	10	13	4
UA-140	140	155	9	153	10	13	4
UA-145	145	160	9	158	10	13	4

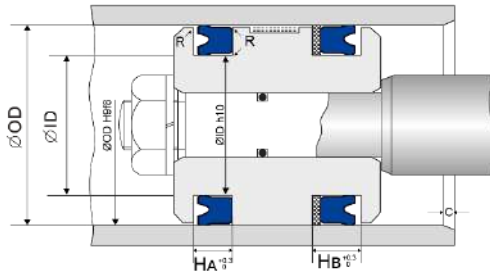
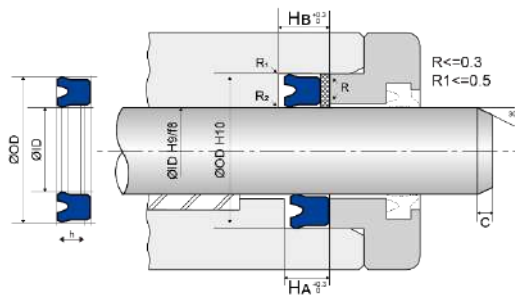
UA PISTON & ROD SEAL



APPLICATION		
MATERIAL	NBR	FKM
TEMP.	-25°C~100°C	-10°C~150°C
PRESSURE	140kgf/cm ²	140kgf/cm ²
SPEED	1m/s	1m/s

ITEM	ID	OD	h	D1	HA	HB	C
UA-150	150	165	9	163	10	13	4
UA-155	155	170	9	168	10	14	4
UA-160	160	175	9	173	10	14	4
UA-165	165	180	9	178	10	14	4
UA-170	170	185	9	183	10	14	4
UA-175	175	190	9	188	10	14	4
UA-180	180	200	12	198	13	17	5
UA-190	190	210	12	208	13	17	5
* UA-195	195	215	12	213	13	17	5
UA-200	200	220	12	218	13	17	5
UA-204	204	224	12	222	13	17	5
UA-210	210	230	12	228	13	17	5
UA-215	215	235	12	233	13	17	5
UA-220	220	240	12	238	13	17	5
UA-224	224	244	12	242	13	17	5
UA-230	230	250	12	248	13	17	5
UA-240	240	260	12	258	13	17	5
UA-250	250	270	12	268	13	17	5
* UA-300	300	320	12	318	13	16	5
UA-260	260	280	14	278	15	19	5
UA-280	280	300	14	298	15	19	5
* UA-250	250	279	19	277	20		

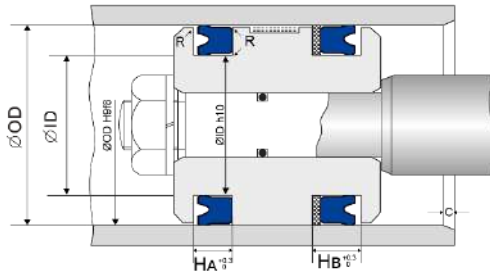
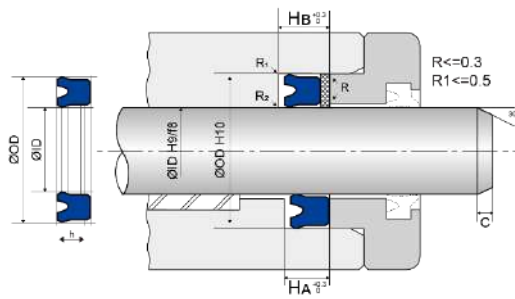
UPI PISTON & ROD SEAL



APPLICATION	
MATERIAL	PU
TEMP.	-35°C~100°C
PRESSURE	300kgf/cm ²
SPEED	1m/s

ITEM	ID	OD	h	HA	HB	D1	C
UPI-011	11	16	4				
* UPI-022.4	22.4	30	5	5.7	7.7	29	3.5
* UPI-028	28	35.5	5	5.7	8.7	34.5	3.5
UPI-32	32	40	5				
UPI-110	110	120	6				
UPI-012	12	20	6.5				
UPI-015	15	23	6.5				
UPI-030	30	40	7				
UPI-032	32	42	7				
* UPI-060	60	71	7	8	11	70	4
UPI-06.3	6.3	16.3	8	9	11	15.3	2.5
UPI-07.1	7.1	17.1	8	9	11	16.1	2.5
UPI-008	8	18	8	9	11	17	2.5
UPI-009	9	19	8	9	11	18	2.5
UPI-010	10	20	8	9	11	19	2.5
UPI-011.2	11.2	21.2	8	9	11	20.2	2.5
UPI-012	12	25	8	9	11	24	2.5
UPI-012.5	12.5	22.5	8	9	11	21.5	2.5
UPI-014	14	24	8	9	11	23	2.5
UPI-015	15	25	8	9	11	24	2.5
UPI-016	16	26	8	9	11	25	2.5
UPI-018	18	28	8	9	11	27	3.5
UPI-020	20	30	8	9	11	29	3.5
* UPI-021.5	21.5	31.5	8	9	11	30.5	3.5
UPI-022	22	32	8	9	11	31	3.5
UPI-022.4	22.4	32.4	8	9	11	31.4	3.5
UPI-025	25	35	8	9	11	34	3.5
UPI-025	25	38	8	9	11	37	3.5
* UPI-025.5	25.5	35.5	8	9	11	34.5	3.5
UPI-028	28	36	8				
UPI-032	32	42	8				
UPI-038	38	48	8				
* UPI-040	40	53	8				
UPI-060	60	75	8				
UPI-080	80	90	8				
UPI-055	55	70	9				
UPI-070	70	85	9				
UPI-016	16	32	10	11	13	31	2.5
UPI-018	18	31	10	11	13	30	3.5
UPI-020	20	33	10	11	13	32	3.5
UPI-020	20	35	10	11	13	34	3.5

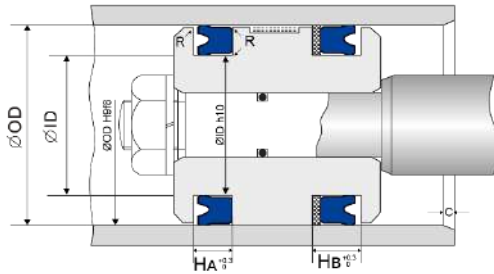
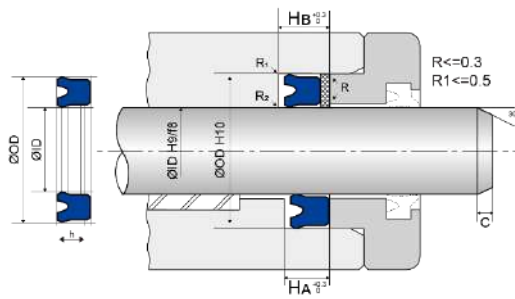
UPI PISTON & ROD SEAL



APPLICATION	
MATERIAL	PU
TEMP.	-35°C~100°C
PRESSURE	300kgf/cm ²
SPEED	1m/s

ITEM	ID	OD	h	HA	HB	D1	C
UPI-022	22	35	10	11	13	34	3.5
UPI-025	25	38	10				
UPI-025	25	40	10	11	13	39	3.5
UPI-028	28	40	10	11	14	39	3.5
UPI-028	28	43	10	11	14	42	3.5
UPI-030	30	40	10				
UPI-030	30	45	10	11	14	44	3.5
UPI-030	30	46	10	11	14	45	3.5
UPI-30	30	50	10				
UPI-031.5	31.5	46.5	10	11	14	45.5	3.5
UPI-032	32	45	10				
UPI-032	32	46	10	11	14	45	4
UPI-35	35	45	10				
UPI-035	35	50	10	11	14	49	4
UPI-035.5	35.5	50.5	10	11	14	49.5	4
UPI-038	38	52	10	11	14	51	4
UPI-038	38	55	10				
UPI-040	40	50	10				
UPI-040	40	55	10	11	14	54	4
UPI-040	40	56	10	11	14	55	4
UPI-041	41	56	10	11	14	55	4
UPI-045	45	55	10	11			
UPI-045	45	60	10	11	14	59	4
UPI-045	45	61	10	11	14	60	4
UPI-046	46	60	10	11	14	59	4
UPI-048	48	63	10	11	14	62	4
UPI-050	50	60	10				
UPI-050	50	65	10	11	14	64	4
UPI-060	60	75	10				
UPI-60	60	80	10				
UPI-120	120	140	10	11			
UPI-140	140	160	10				
UPI-032	32	45	11				
* UPI-038	38	55	11				
UPI-065	65	80	11				
UPI-075	75	85	11.8				
UPI-080	80	90	11.8				
UPI-085	85	95	11.8				
UPI-090	90	100	11.8	13			
UPI-100	100	110	11.8				
UPI-110	110	120	11.8				

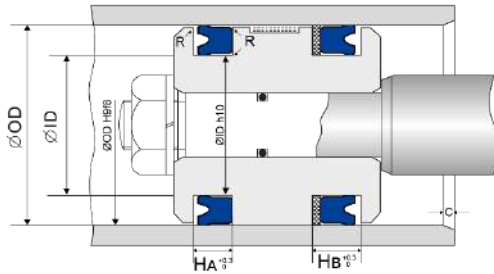
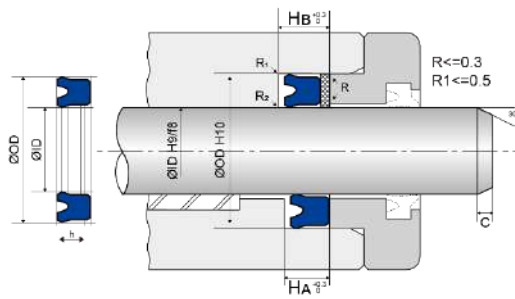
UPI PISTON & ROD SEAL



APPLICATION	
MATERIAL	PU
TEMP.	-35°C~100°C
PRESSURE	300kgf/cm ²
SPEED	1m/s

ITEM	ID	OD	h	HA	HB	D1	C
UPI-120	120	130	11.8				
UPI-130	130	140	11.8				
UPI-140	140	150	11.8				
UPI-150	150	160	11.8				
UPI-020	20	40	12				
UPI-025	25	45	12	13	15	44	3.5
UPI-040	40	60	12	13	16	59	4
UPI-050	50	66	12	13	16	65	4
UPI-050	50	70	12	13	16	69	4
UPI-051	51	71	12	13	16	70	4
UPI-053	53	73	12	13	16	72	4
UPI-55	55	65	12				
UPI-055	55	70	12				
UPI-055	55	71	12	13	16	70	4
UPI-055	55	75	12	13	16	74	4
UPI-056	56	72	12	13	16	71	4
UPI-056	56	76	12	13	16	75	4
UPI-058	58	78	12	13	16	77	4
UPI-060	60	80	12	13	16	79	4
UPI-062	62	82	12	13	16	81	4
UPI-063	63	83	12	13	16	82	4
UPI-065	65	80	12				
UPI-065	65	85	12	13	16	84	5
UPI-067	67	87	12	13	16	86	5
UPI-070	70	85	12				
UPI-070	70	90	12	13	16	89	5
UPI-071	71	91	12	13	16	90	5
UPI-075	75	85	12				
UPI-075	75	90	12				
UPI-075	75	95	12	13	16	94	5
UPI-080	80	90	12				
UPI-080	80	95	12				
UPI-080	80	100	12	13	16	98	5
UPI-085	85	95	12				
UPI-085	85	100	12				
UPI-085	85	105	12	13	16	103	5
UPI-090	90	100	12				
UPI-090	90	110	12	13	16	108	5
UPI-092	92	112	12	13	16	110	5
UPI-95	95	105	12				
UPI-095	95	115	12	13	16	113	5

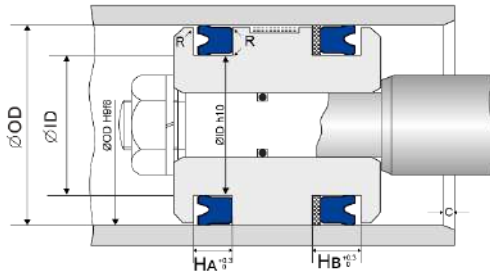
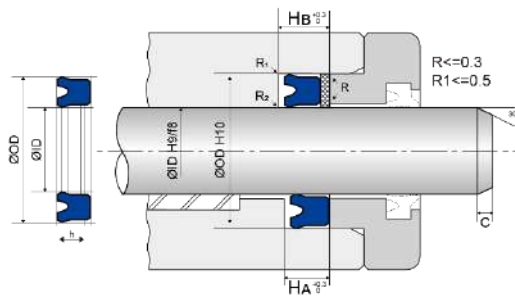
UPI PISTON & ROD SEAL



APPLICATION	
MATERIAL	PU
TEMP.	-35°C~100°C
PRESSURE	300kgf/cm ²
SPEED	1m/s

ITEM	ID	OD	h	HA	HB	D1	C
UPI-100	100	110	12				
UPI-100	100	120	12	13	16	118	5
* UPI-110	110	120	12				
UPI-110	110	125	12				
UPI-110	110	130	12	13			
* UPI-120	120	130	12				
UPI-130	130	140	12				
* UPI-140	140	150	12				
UPI-140	140	160	12	13			
* UPI-150	150	160	12				
UPI-170	170	190	12	13			
UPI-055	55	80	15	16	19	79	4
UPI-080	80	100	15	16	19	98	5
UPI-095	95	120	15	16	19	118	5
UPI-100	100	125	15	17	20	123	5
UPI-105	105	125	15	17	20	123	5
UPI-106	106	126	15	17	20	124	5
UPI-110	110	130	15	17	20	128	5
UPI-112	112	132	15	17	20	130	5
UPI-115	115	135	15	17	20	133	5
UPI-118	118	138	15	17	20	136	5
UPI-120	120	140	15	17	20	138	5
UPI-130	130	150	15	17	20	148	6.5
UPI-132	132	152	15	17	20	150	6.5
UPI-135	135	150	15				
UPI-135	135	155	15	17	20	153	6.5
UPI-140	140	160	15	17	20	158	6.5
UPI-140	140	165	15	17	20	163	6.5
UPI-145	145	165	15	17	20	163	6.5
UPI-150	150	170	15	17	20	168	6.5
UPI-150	150	175	15	17	20	173	6.5
UPI-155	155	180	15	17	21	178	6.5
UPI-160	160	180	15				
UPI-160	160	185	15	17	21	183	6.5
UPI-165	165	190	15	17	21	188	6.5
UPI-170	170	190	15				
UPI-170	170	195	15	17	21	193	6.5
UPI-175	175	200	15	17	21	198	6.5
UPI-180	180	205	15	17	21	203	6.5
UPI-185	185	210	15	17	21	208	6.5
UPI-190	190	215	15	17	21	213	6.5

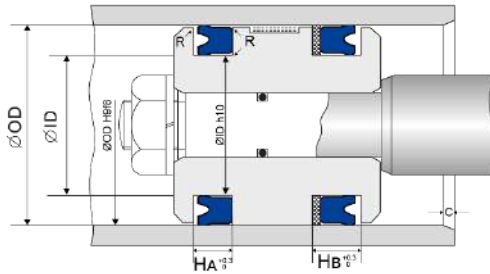
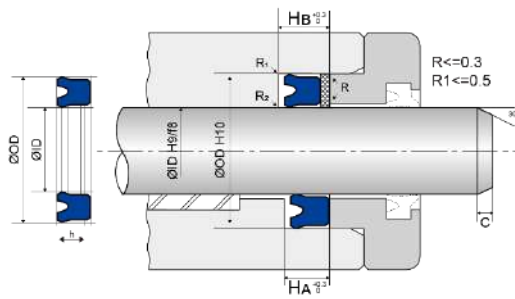
UPI PISTON & ROD SEAL



APPLICATION	
MATERIAL	PU
TEMP.	-35°C~100°C
PRESSURE	300kgf/cm ²
SPEED	1m/s

ITEM	ID	OD	h	HA	HB	D1	C
UPI-199	199	224	15	17	21	222	6.5
* UPI-200	200	225	15	17	21	223	6.5
UPI-230	230	250	15				
* UPI-320	320	350	15	17	21	348	10
UPI-200	200	225	18	20	24	203	6.5
UPI-205	205	235	18	20	24	233	6.5
UPI-210	210	235	18	20	24	233	6.5
UPI-212	212	237	18	20	24	235	6.5
UPI-220	220	245	18	20	24	243	6.5
UPI-224	224	249	18	20	24	247	6.5
UPI-225	225	250	18	20	24	248	6.5
* UPI-230	230	254	18	20	24	252	6.5
UPI-230	230	255	18	20	24	253	6.5
UPI-236	236	261	18	20	24	259	6.5
UPI-240	240	265	18	20	24	263	6.5
UPI-250	250	275	18	20	24	273	6.5
UPI-260	260	290	18	20	24	288	8
UPI-265	265	295	18	20	24	293	8
UPI-270	270	300	18	20	24	298	8
UPI-280	280	310	18	20	24	308	8
UPI-290	290	320	18	20	24	318	8
UPI-300	300	330	18	20	24	328	8
* UPI-320	320	350	18	20	24	348	10
* UPI-431	431	457.2	18	20	25	455	15
* UPI-440	440	470	19	21	26	468	15
* UPI-330	330	360	20	22	26	358	10
* UPI-310	310	340	22	24	28	338	10
* UPI-315	315	345	22	24	28	343	10
* UPI-320	320	350	22	24	28	348	10
* UPI-330	330	360	22	24	28	358	10
* UPI-340	340	370	22	24	28	368	10
* UPI-350	350	380	22	24	28	378	10
* UPI-355	355	385	22	24	28	383	10
* UPI-370	370	400	22	24	28	398	10
* UPI-375	375	405	22	24	28	403	10
* UPI-380	380	410	22	24	28	408	10
* UPI-385	385	415	22	24	28	413	10
* UPI-390	390	420	22	24	28	418	10
* UPI-400	400	425	22	24	28	423	10
* UPI-400	400	430	22	24	28	428	10
* UPI-430	430	460	22	24	29	458	15

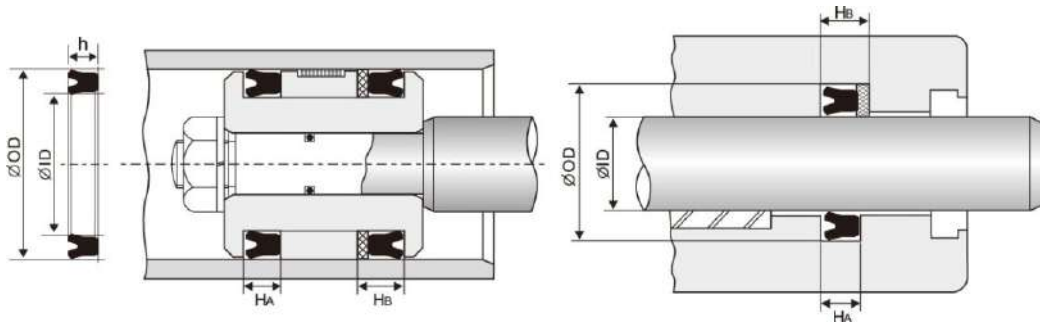
UPI PISTON & ROD SEAL



APPLICATION	
MATERIAL	PU
TEMP.	-35°C~100°C
PRESSURE	300kgf/cm ²
SPEED	1m/s

ITEM	ID	OD	h	HA	HB	D1	C
* UPI-323	323	355	24	26	30	353	10
* UPI-320	320	360	25	27	31	358	10
* UPI-405	405	440	25	27	32	438	15
* UPI-410	410	445	25	27	32	443	15
* UPI-415	415	450	25	27	32	448	15
* UPI-420	420	455	25	27	32	453	15
* UPI-425	425	460	25	27	32	458	15
* UPI-430	430	465	25	27	32	463	15
* UPI-435	435	470	25	27	32	468	15
* UPI-445	445	480	25	27	32	478	15
* UPI-450	450	485	25	27	32	483	15
* UPI-330	330	370	28	30	34	368	10
* UPI-350	350	390	28	30	34	388	10
* UPI-440	440	475	28	30	35	473	15
* UPI-410	410	460	35	37	42	458	15
(INCH)							
UPI-7.25	7.25	8	0.5				

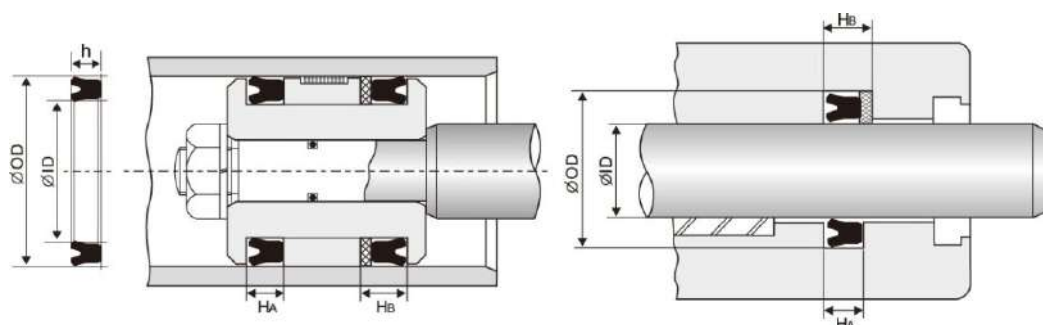
UPH PISTON & ROD SEAL



APPLICATION	
MATERIAL	NBR
TEMP.	-25°C~100°C
PRESSURE	150 kgf/cm ²
SPEED	1m/s

ITEM	ID	OD	h	HA	HB	ØD ₁	C
UPH-25	25	35	7.3	8.3			
* UPH-6.3	6.3	16.3	7.5	8.5	10.5	15.3	2.5
* UPH-7.1	7.1	17.1	7.5	8.5	10.5	16.1	2.5
UPH-8	8	18	7.5	8.5	10.5	17	2.5
* UPH-9	9	19	7.5	8.5	10.5	18	2.5
* UPH-10	10	20	7.5	8.5	10.5	19	2.5
* UPH-11.2	11.2	21.2	7.5	8.5	10.5	20.2	2.5
* UPH-12.5	12.5	22.5	7.5	8.5	10.5	21.5	2.5
* UPH-14	14	24	7.5	8.5	10.5	23	2.5
* UPH-16	16	26	7.5	8.5	10.5	25	2.5
UPH-6.3A	6.3	16.3	8	9	11	15.3	2.5
UPH-7.1A	7.1	17.1	8	9	11	16.1	2.5
UPH-8A	8	18	8	9	11	17	2.5
UPH-9A	9	19	8	9	11	18	2.5
UPH-10A	10	20	8	9	11	19	2.5
UPH-11.2A	11.2	21.2	8	9	11	20.2	2.5
UPH-12	12	22	8	9	11	21	2.5
UPH-12	12	25	8	9	11	24	2.5
UPH-12.5A	12.5	22.5	8	9	11	21.5	2.5
UPH-14A	14	24	8	9	11	23	2.5
UPH-15A	15	25	8	9	11	24	2.5
UPH-16A	16	26	8	9	11	25	2.5
UPH-18A	18	28	8	9	11	27	2.5
UPH-20A	20	30	8	9	11	29	3.5
* UPH-21.5	21.5	31.5	8	9	11	30.5	3.5
UPH-22.4A	22.4	32.4	8	9	11	31.4	3.5
UPH-25A	25	35	8	9	11	34	3.5
* UPH-25.5	25.5	35.5	8	9	11	34.5	3.5
* UPH-15	15	28	10	11	13	27	2.5
* UPH-16	16	32	10	11	13	31	2.5
* UPH-18	18	31	10	11	13	30	3.5
* UPH-18	18	33	10	11	13	32	3.5
* UPH-18.5	18.5	31.5	10	11	13	30.5	3.5
* UPH-20	20	33	10	11	13	32	3.5
* UPH-20B	20	35	10	11	13	34	3.5
UPH-22	22	35	10	11	13	34	3.5
* UPH-22.4	22.4	35.4	10	11	13	34.4	3.5

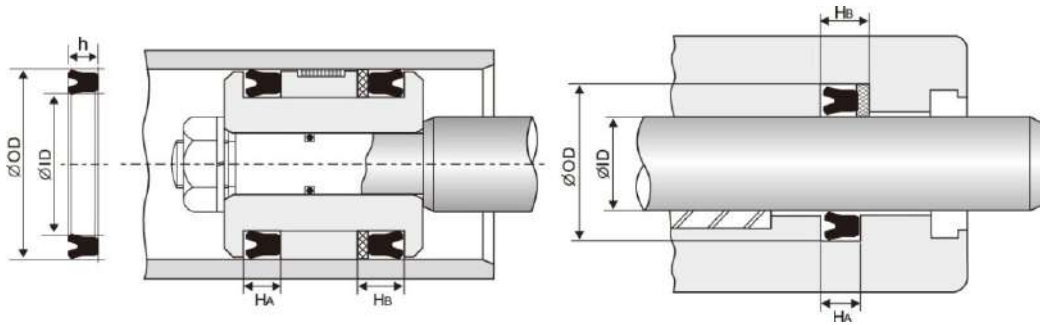
UPH PISTON & ROD SEAL



APPLICATION	
MATERIAL	NBR
TEMP.	-25°C~100°C
PRESSURE	150 kgf/cm ²
SPEED	1m/s

ITEM	ID	OD	h	HA	HB	ØD ₁	C
UPH-25	25	38	10	11	13	37	3.5
UPH-25B	25	40	10	11	13	39	3.5
UPH-27	27	40	10	11	14	39	3.5
* UPH-28A	28	40	10	11	14	39	3.5
UPH-28	28	41	10	11	14	40	3.5
UPH-28B	28	43	10	11	14	42	3.5
UPH-30	30	43	10	11	14	42	3.5
UPH-30A	30	45	10	11	14	44	3.5
UPH-30	30	50	10	11	14	49	3.5
* UPH-31.5	31.5	44.5	10	11	14	43.5	3.5
UPH-31.5A	31.5	46.5	10	11	14	45.5	3.5
UPH-32	32	45	10	11	14	44	3.5
UPH-32A	32	46	10	11	14	45	3.5
UPH-32B	32	48	10	11	14	47	3.5
UPH-35B	35	50	10	11	14	49	4
UPH-35.5A	35.5	50.5	10	11	14	49.5	4
UPH-38	38	52	10	11	14	51	4
UPH-40A	40	55	10	11	14	55	4
UPH-40B	40	56	10	11	14	55	4
UPH-41	41	56	10	11	14	55	4
UPH-45A	45	60	10	11	14	59	4
UPH-48	48	63	10	11	14	62	4
UPH-50A	50	65	10	11	14	64	4
* UPH-25	25	45	12	13	15	44	3.5
UPH-34	34	50	12	13	16	49	3.5
UPH-35	35	50	12	13	16	49	4
* UPH-35	35	51	12	13	16	50	4
* UPH-35.5	35.5	51.5	12	13	16	50.5	4
UPH-40	40	56	12	13	16	55	4
UPH-40C	40	60	12	13	16	59	4
UPH-45B	45	60	12	13	16	59	4
UPH-45	45	61	12	13	16	60	4
UPH-47	47	63	12	13	16	62	4
UPH-50	50	66	12	13	16	65	4
UPH-50B	50	70	12	13	16	69	4
* UPH-51	51	71	12	13	16	70	4
* UPH-53	53	69	12	13	16	68	4

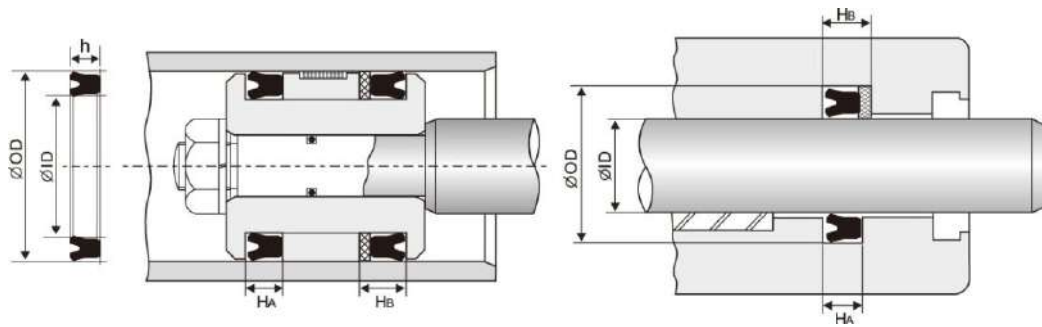
UPH PISTON & ROD SEAL



APPLICATION	
MATERIAL	NBR
TEMP.	-25°C~100°C
PRESSURE	150 kgf/cm ²
SPEED	1m/s

ITEM	ID	OD	h	HA	HB	ØD ₁	C
UPH-53A	53	73	12	13	16	72	4
UPH-55	55	71	12	13	16	70	4
UPH-55A	55	75	12	13	16	74	4
UPH-56	56	72	12	13	16	71	4
UPH-56A	56	76	12	13	16	75	4
UPH-60	60	76	12	13	16	75	4
UPH-60A	60	80	12	13	16	79	4
* UPH-63	63	79	12	13	16	78	4
UPH-63A	63	83	12	13	16	82	4
UPH-64	64	80	12	13	16	79	4
UPH-65	65	81	12	13	16	80	5
UPH-65A	65	85	12	13	16	84	5
* UPH-67	67	87	12	13	16	86	5
UPH-70A	70	90	12	13	16	89	5
UPH-71A	71	91	12	13	16	90	5
UPH-75A	75	95	12	13	16	94	5
UPH-80A	80	100	12	13	16	99	5
UPH-85A	85	105	12	13	16	104	5
UPH-90A	90	110	12	13	16	109	5
* UPH-92	92	112	12	13	16	111	5
UPH-95A	95	115	12	13	16	114	5
UPH-100A	100	120	12	13	16	118	5
UPH-105	105	125	12	13	16	123	5
UPH-120	120	140	12	13	16	138	5
UPH-125	125	145	12	13	16	143	6.5
UPH-130	130	150	12	13	16	148	6.5
UPH-140	140	160	12	13	16	158	6.5
UPH-150	150	170	12	13	16	168	6.5
UPH-160	160	180	12	13	16	178	6.5
* UPH-170	170	190	12				
UPH-185	185	205	12	13	16	203	6.5
UPH-210	210	230	12	13	16	228	6.5
* UPH-320A	320	340	12	13	17	338	10
* UPH-200	200	225	12.5				
UPH-55B	55	80	15	16	19	79	4
* UPH-67	67	87	15	16	19	86	5
UPH-70	70	90	15	16	19	89	5

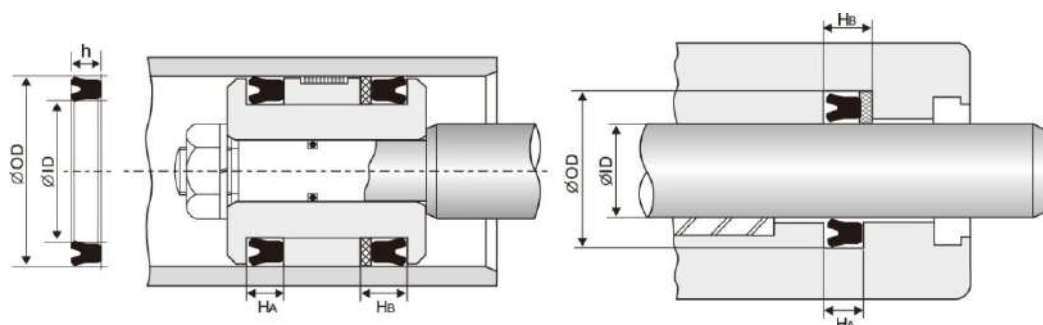
UPH PISTON & ROD SEAL



APPLICATION	
MATERIAL	NBR
TEMP.	-25°C~100°C
PRESSURE	150 kgf/cm ²
SPEED	1m/s

ITEM	ID	OD	h	HA	HB	ØD ₁	C
* UPH-71	71	91	15	16	19	90	5
UPH-75	75	95	15	16	19	94	5
UPH-80	80	100	15	16	19	99	5
UPH-85	85	105	15	16	19	104	5
UPH-90	90	110	15	16	19	109	5
* UPH-92	92	112	15	16	19	111	5
UPH-95	95	115	15	16	19	114	5
UPH-95B	95	120	15	16	19	118	5
UPH-100	100	120	15	16	19	118	5
UPH-100B	100	125	15	16	19	123	5
UPH-105	105	125	15	16	19	123	5
* UPH-106	106	126	15	16	19	124	5
UPH-110	110	130	15	16	19	128	5
UPH-112	112	132	15	16	19	130	5
UPH-115	115	135	15	16	19	133	5
* UPH-118	118	138	15	16	19	136	5
UPH-120	120	140	15	16	19	138	5
UPH-125A	125	145	15	16	19	143	6.5
UPH-130A	130	150	15	16	19	148	6.5
* UPH-132	132	152	15	16	19	150	6.5
UPH-135B	135	155	15	16	19	153	6.5
UPH-140A	140	160	15	16	19	158	6.5
UPH-145A	145	165	15	16	19	163	6.5
UPH-150A	150	170	15	16	19	168	6.5
UPH-155B	155	180	15	16	20	178	6.5
UPH-160A	160	185	15	16	20	183	6.5
UPH-165A	165	190	15	16	20	188	6.5
UPH-170A	170	195	15	16	20	193	6.5
UPH-175B	175	200	15	16	20	198	6.5
UPH-180A	180	205	15	16	20	203	6.5
UPH-185	185	210	15	16	20	208	6.5
UPH-190A	190	215	15	16	20	213	6.5
* UPH-199B	199	224	15	16	20	222	6.5
UPH-200A	200	225	15	16	20	223	6.5
* UPH-320	320	345	15				
* UPH-320	320	350	15				
* UPH-380A	380	400	15	16	20	398	10

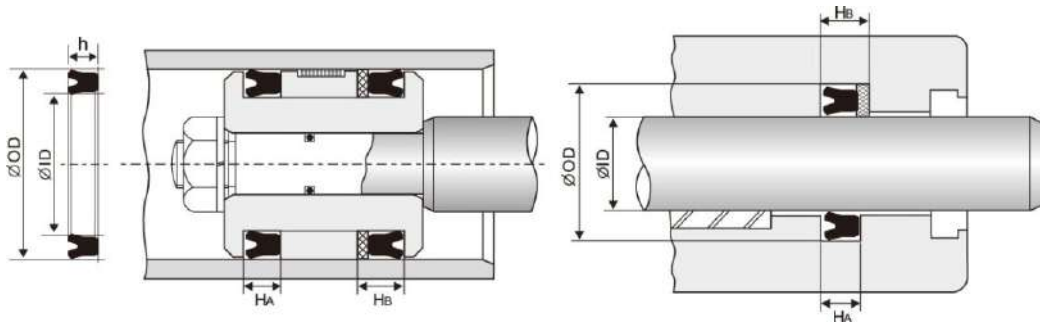
UPH PISTON & ROD SEAL



APPLICATION	
MATERIAL	NBR
TEMP.	-25°C~100°C
PRESSURE	150 kgf/cm ²
SPEED	1m/s

ITEM	ID	OD	h	HA	HB	ØD ₁	C
* UPH-380	380	410	15	16	20	408	10
UPH-135A	135	160	15.7	17	20	158	6.5
* UPH-155	155	180	15.7	17	21	178	6.5
* UPH-175	175	200	15.7	17	21	198	6.5
* UPH-199	199	224	15.7	17	21	222	6.5
* UPH-325	325	350	16				
* UPH-330A	330	355	16	17	21	353	10
* UPH-371	371	396	16	17	21	394	10
* UPH-520	520	550	17	18	23	548	10
UPH-570	570	600	17				
UPH-210	210	235	18	20	24	233	6.5
* UPH-225	225	250	18	19	23	248	6.5
UPH-250	250	280	18	19	23	278	6.5
UPH-270A	270	300	18	19	23	298	8
* UPH-290A	290	320	18	19	23	318	8
* UPH-310A	310	340	18	19	23	338	10
* UPH-320	320	350	18	24	28	348	10
* UPH-445	445	470	18	19	24	468	10
* UPH-480	480	505	18	19	24	503	10
UPH-125	125	150	19	20	23	148	6.5
* UPH-130	130	155	19	20	23	153	6.5
UPH-132	132	157	19	20	23	155	6.5
UPH-135	135	160	19	20	23	158	6.5
* UPH-140	140	165	19	20	23	163	6.5
UPH-145	145	170	19	20	23	168	6.5
UPH-150	150	175	19	20	23	173	6.5
UPH-155	155	180	19	20	24	178	6.5
UPH-160	160	185	19	20	24	183	6.5
UPH-165	165	190	19	20	24	188	6.5
UPH-170	170	195	19	20	24	193	6.5
UPH-175	175	200	19	20	24	198	6.5
UPH-180	180	205	19	20	24	203	6.5
UPH-190	190	215	19	20	24	213	6.5
* UPH-199	199	224	19	20	24	222	6.5
UPH-200	200	225	19	20	24	223	6.5
UPH-212	212	237	19	20	24	235	6.5
UPH-215	215	240	19	20	24	238	6.5

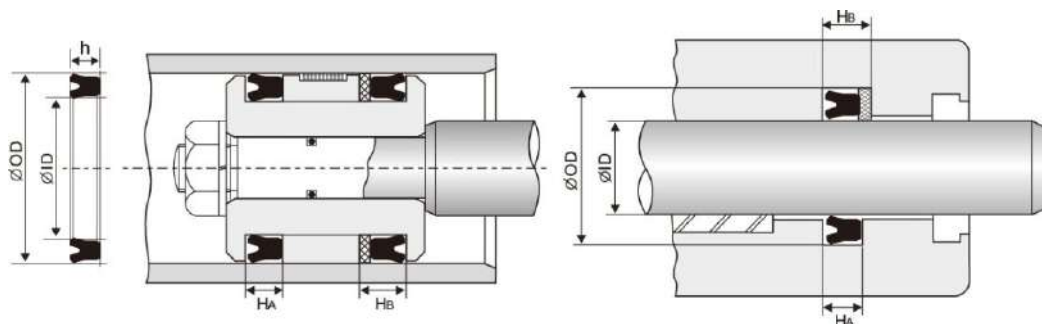
UPH PISTON & ROD SEAL



APPLICATION	
MATERIAL	NBR
TEMP.	-25°C~100°C
PRESSURE	150 kgf/cm ²
SPEED	1m/s

ITEM	ID	OD	h	HA	HB	ØD ₁	C
* UPH-224	224	249	19	20	24	247	6.5
UPH-225	225	250	19	20	24	248	6.5
UPH-236	236	261	19	20	24	259	6.5
UPH-250	250	275	19	20	24	273	6.5
UPH-255	255	280	19	20	24	277	6
* UPH-275	275	300	19	21	24	297	6
* UPH-280	280	310	19				
* UPH-300	300	330	19				
* UPH-220	220	255	20				
* UPH-330B	330	356	20	22	26	254	10
* UPH-430	430	470	20	22	27	468	10
* UPH-460	460	500	20	22	27	498	10
UPH-280A	280	310	22	24	28	308	8
* UPH-290	290	320	22	24	28	318	8
* UPH-310	310	340	22	24	28	338	10
* UPH-320	320	350	22	24	28	348	10
UPH-330	330	360	22	24	28	358	10
* UPH-340	340	370	22	24	28	368	10
UPH-350	350	380	22	24	28	378	10
* UPH-355A	355	385	22	24	28	383	10
* UPH-360	360	390	22	24	28	388	10
* UPH-365	365	395	22	24	28	393	10
UPH-370	370	400	22	24	28	398	10
UPH-380	380	410	22	24	28	408	10
* UPH-385	385	425	22				
* UPH-390	390	420	22	24	28	418	10
* UPH-395	395	425	22	24	28	423	10
UPH-400A	400	430	22	24	28	428	10
UPH-450	450	480	22	24	29	478	10
* UPH-370	370	400	23	25	29	398	10
* UPH-265	265	297	24	26	30	295	8
* UPH-270	270	300	24	26	30	298	8
UPH-280	280	312	24	26	30	310	8
* UPH-283	283	315	24	26	30	313	8
* UPH-300	300	330	24				
UPH-300	300	332	24	26	30	330	8
* UPH-315	315	347	24	26	30	345	10

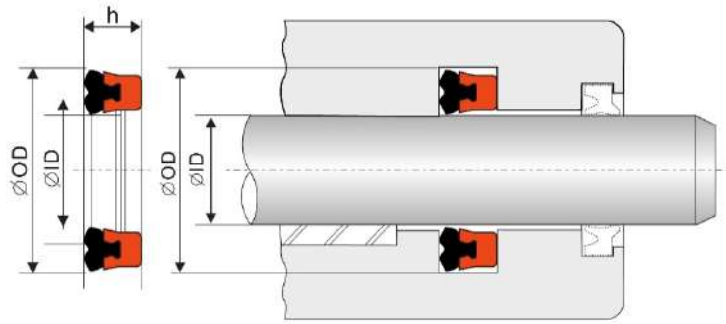
UPH PISTON & ROD SEAL



APPLICATION	
MATERIAL	NBR
TEMP.	-25°C~100°C
PRESSURE	150 kgf/cm ²
SPEED	1m/s

ITEM	ID	OD	h	HA	HB	ØD ₁	C
* UPH-323	323	355	24	26	30	353	10
* UPH-335	335	367	24	26	30	365	10
* UPH-348	348	380	24	26	30	378	10
* UPH-355	355	387	24	26	29	356	6
* UPH-368	368	400	24	26	30	398	10
* UPH-375	375	407	24	26	30	405	10
* UPH-400	400	432	24	26	29	401	6
* UPH-425	425	457	24	26	31	455	10
* UPH-300	300	340	25				
* UPH-320	320	360	25	27	31	358	10
* UPH-370	370	400	25	27	31	398	10
* UPH-400	400	430	25	27	31	428	10
* UPH-400	400	440	25				
* UPH-420	420	455	25	27	32	453	10
* UPH-435	435	470	25	27	32	468	10
* UPH-490	490	530	25	27	32	528	10
* UPH-500	500	540	25	27	32	538	20
* UPH-320	320	360	28				
* UPH-380	380	420	30	32	36	418	10
* UPH-440	440	480	35	37	42	478	10

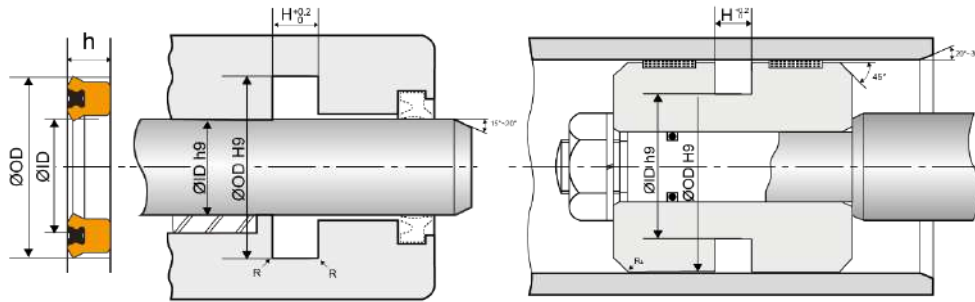
RZ2 PISTON & ROD SEAL



APPLICATION	
MATERIAL	HY+NBR
TEMP.	-40°C~100°C
PRESSURE	400kgf/cm2
SPEED	1m/s

ITEM	ID	OD	h
RZ2-70	70	80	6
RZ2-105	105	115	6.5
RZ2-095	95	110	7.7
RZ2-055	55	70	12
RZ2-060	60	75	12
RZ2-065	65	80	12
RZ2-070	70	85	12
RZ2-075	75	90	12
RZ2-080	80	95	12
RZ2-085	85	100	12
RZ2-090	90	105	12
RZ2-095	95	110	12
RZ2-100	100	115	12
RZ2-105	105	120	12
RZ2-110	110	125	12
RZ2-115	115	130	12
RZ2-120	120	135	12
RZ2-055	55	68	13
RZ2-060	60	73	13
RZ2-065	65	78	13
RZ2-070	70	83	13
RZ2-075	75	88	13
RZ2-080	80	93	13
RZ2-085	85	100	13
RZ2-090	90	105	13
RZ2-095	95	110	13
RZ2-100	100	115	13
RZ2-110	110	130	13
RZ2-120	120	140	13
RZ2-095	95	115	15
RZ2-105	105	125	15
RZ2-120	120	140	15

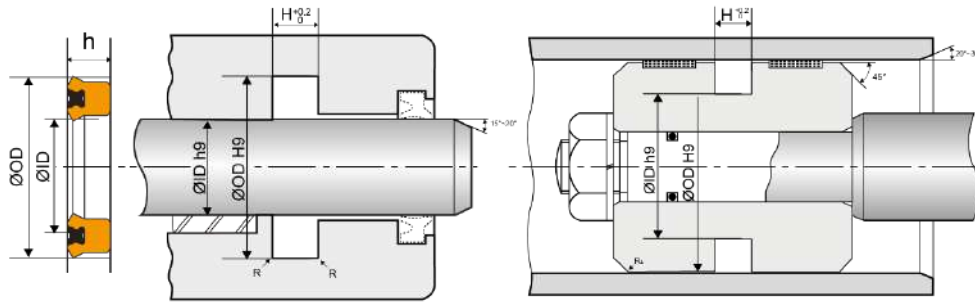
RX2 PISTON & ROD SEAL



APPLICATION	
MATERIAL	PU+NBR
TEMP.	-40°C~120°C
PRESSURE	400kgf/cm2
SPEED	1m/s

ITEM	ID	OD	h	H
RX2-030	30	40	6	7
RX2-035	35	45	6	7
RX2-040	40	50	6	7
RX2-045	45	55	6	7
RX2-050	50	60	6	7
RX2-053	53	63	6	7
RX2-055	55	65	6	7
RX2-060	60	70	6	7
RX2-065	65	75	6	7
RX2-070	70	80	6	7
RX2-075	75	85	6	7
RX2-080	80	90	6	7
RX2-100	100	110	6	7
RX2-045	45	60	9	10
RX2-050	50	65	9	10
RX2-055	55	70	9	10
RX2-060	60	75	9	10
RX2-065	65	80	9	10
RX2-070	70	85	9	10
RX2-075	75	90	9	10
RX2-080	80	95	9	10
RX2-085	85	100	9	10
RX2-090	90	105	9	10
RX2-095	95	110	9	10
RX2-100	100	115	9	10
RX2-105	105	120	9	10
RX2-110	110	125	9	10
RX2-115	115	125	9	10
RX2-115	115	130	9	10
RX2-040	40	55	10	11
RX2-045	45	60	10	11
RX2-050	50	63	10	11
RX2-055	55	68	10	11
RX2-060	60	73	10	11
RX2-065	65	78	10	11
RX2-070	70	83	10	11
RX2-075	75	88	10	11
RX2-080	80	93	10	11
RX2-080	80	95	10	11

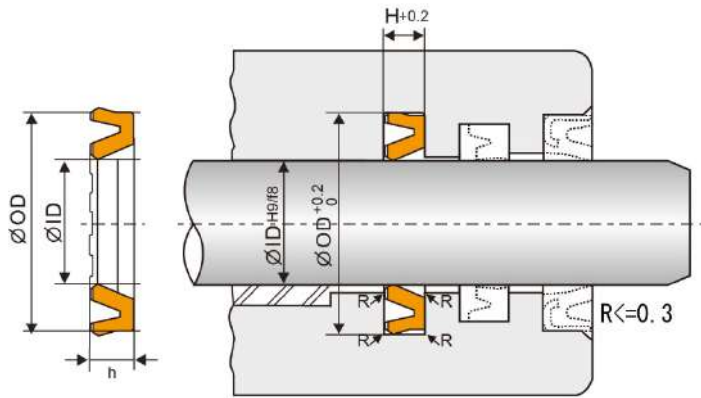
RX2 PISTON & ROD SEAL



APPLICATION	
MATERIAL	PU+NBR
TEMP.	-40°C~120°C
PRESSURE	400kgf/cm2
SPEED	1m/s

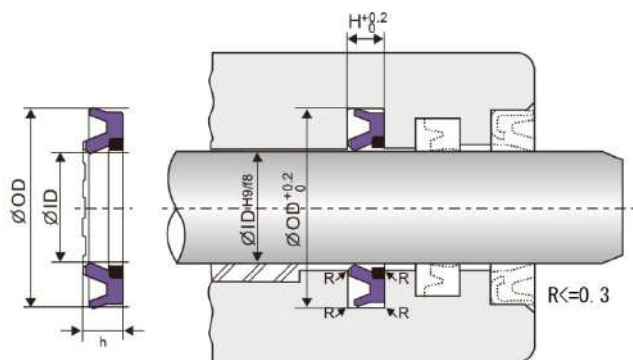
ITEM	ID	OD	h	H
RX2-085	85	100	10	11
RX2-090	90	105	10	11
RX2-095	95	110	10	11
RX2-100	100	115	10	11
RX2-105	105	120	10	11
RX2-110	110	125	10	11
RX2-110	110	130	10	11
RX2-060	60	80	12	13
RX2-070	70	90	12	13
RX2-080	80	100	12	13
RX2-085	85	105	12	13
RX2-090	90	110	12	13
RX2-095	95	115	12	13
RX2-100	100	120	12	13
RX2-105	105	125	12	13
RX2-110	110	130	12	13
RX2-115	115	135	12	13

KBY BUFFER SEAL



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

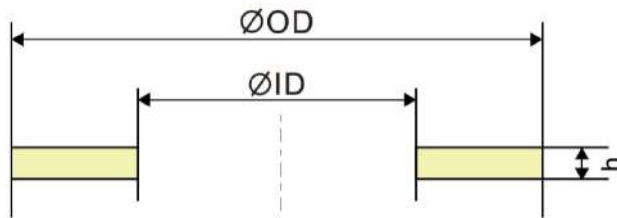
ITEM	ID	OD	h	H
KBY-045	45	60.5	6	6.4
KBY-050	50	65.5	6	6.4
KBY-055	55	70.5	6	6.4
KBY-060	60	75.5	6	6.4
KBY-065	65	80.5	6	6.4
KBY-070	70	85.5	6	6.4
KBY-075	75	90.5	6	6.4
KBY-080	80	95.5	6	6.4
KBY-085	85	100.5	6	6.4
KBY-090	90	105.5	6	6.4
KBY-095	95	110.5	6	6.4
KBY-100	100	115.5	6	6.4
KBY-105	105	120.5	6	6.4
KBY-110	110	125.5	6	6.4
KBY-115	115	130.5	6	6.4
KBY-120	120	135.5	6	6.4
KBY-130	130	145.5	6	6.4
KBY-136	136	151.1	6	6.4



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

ITEM	ID	OD	h	H
FB2-030	30	40.7	3.9	4.2
FB2-035	35	45.7	3.9	4.2
FB2-040	40	50.7	3.9	4.2
FB2-045	45	55.7	3.9	4.2
FB2-050	50	60.7	3.9	4.2
FB2-055	55	65.7	3.9	4.2
FB2-060	60	70.7	3.9	4.2
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	6	6.3
FB2-145	145	160.5	6	6.3
FB2-150	150	165.5	6	6.3
FB2-155	155	170.5	6	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

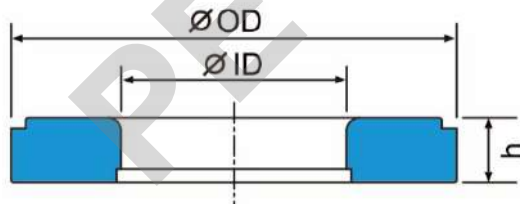
FI BUFFER SEAL



APPLICATION	
MATERIAL	TPU
TEMP.	-40°C~100°C
PRESSURE	350kgf/cm ²
SPEED	1m/s

ITEM	ID	OD	h
FI-030	30	40	3
FI-035	35	45	3
FI-036	36	48	3
FI-040	40	50	3
FI-044	44	56	3
FI-045	45	55	3
FI-050	50	60	3
FI-050	50	63	4
FI-060	60	73	3
FI-060	59.9	74.3	3.6
FI-065	65	78	4
FI-070	70	83	4
FI-075	75	88	4

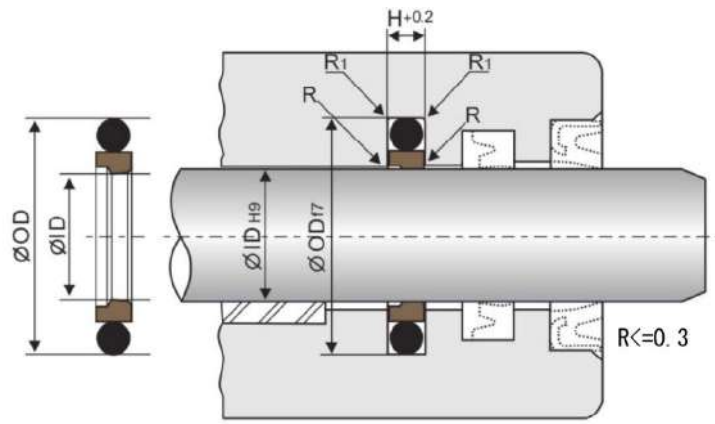
FI-2 BUFFER SEAL



APPLICATION	
MATERIAL	TPU
TEMP.	-40°C~100°C
PRESSURE	350kgf/cm ²
SPEED	1m/s

ITEM	ID	OD	h
FI-2-045	45	55	3
FI-2-050	50	62	3.2
FI-2-060	60	72	3.2
FI-2-065	65	77	3.2

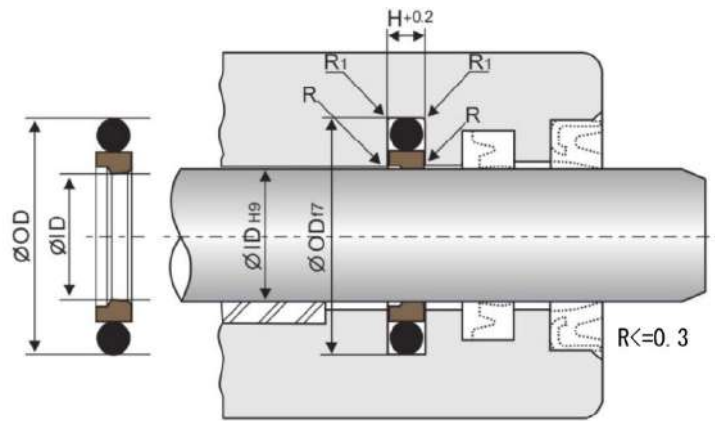
L-TYPE BUFFER SEAL



APPLICATION	
MATERIAL	PTFE+NBR
TEMP.	-40°C~110°C
PRESSURE	350kgf/cm ²
SPEED	1.5m/s

ITEM	ID	OD	H
* L-TYPE 004	4	8.9	2.2
L-TYPE 006	6	10.9	2.2
L-TYPE 012	12	16.9	2.2
L-TYPE 016	16	20.9	2.2
L-TYPE 010	10	17.3	3.2
L-TYPE 012	12	19.3	3.2
* L-TYPE 014	14	22	3.2
L-TYPE 016	16	23.3	3.2
* L-TYPE 016	16	24	3.2
L-TYPE 018	18	25.3	3.2
* L-TYPE 018	18	26	3.2
L-TYPE 020	20	27.3	3.2
L-TYPE 020	20	28	3.2
L-TYPE 022	22	29.3	3.2
L-TYPE 025	25	32.3	3.2
L-TYPE 030	30	37.3	3.2
L-TYPE 032	32	39.3	3.2
L-TYPE 035	35	42.3	3.2
L-TYPE 036	36	43.3	3.2
L-TYPE 020	20	30.7	4.2
L-TYPE 022	22	32.7	4.2
L-TYPE 022	22	33	4.2
L-TYPE 025	25	35.7	4.2
L-TYPE 028	28	38.7	4.2
L-TYPE 028	28	39	4.2
L-TYPE 030	30	40	4.2
L-TYPE 030	30	40.7	4.2
L-TYPE 032	32	42.7	4.2
L-TYPE 035	35	45	4.2
L-TYPE 035	35	45.7	4.2
L-TYPE 036	36	46.7	4.2
L-TYPE 036	36	47	4.2
L-TYPE 038	38	48.7	4.2
L-TYPE 040	40	50.7	4.2
L-TYPE 045	45	55.7	4.2
L-TYPE 048	48	58.7	4.2

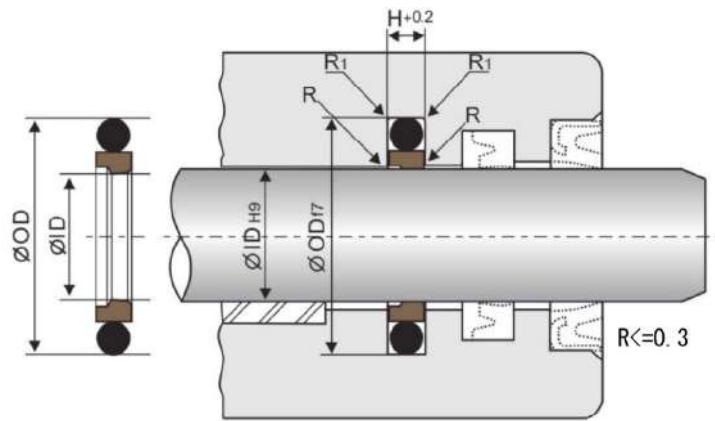
L-TYPE BUFFER SEAL



APPLICATION	
MATERIAL	PTFE+NBR
TEMP.	-40°C~110°C
PRESSURE	350kgf/cm ²
SPEED	1.5m/s

ITEM	ID	OD	H
* L-TYPE 050	50	60	4.2
L-TYPE 050	50	60.7	4.2
* L-TYPE 053	53	63	4.2
L-TYPE 053	55	65	4.2
L-TYPE 055	55	65.7	4.2
L-TYPE 056	56	66.7	4.2
L-TYPE 060	60	70.7	4.2
L-TYPE 065	65	75	4.2
* L-TYPE 070	70	80	4.2
L-TYPE 070	70	80.7	4.2
L-TYPE 075	75	85	4.2
* L-TYPE 080	80	90	4.2
L-TYPE 080	80	90.7	4.2
L-TYPE 040	40	55.1	6.3
L-TYPE 042	42	57.1	6.3
L-TYPE 045	45	60.1	6.3
L-TYPE 050	50	65.1	6.3
L-TYPE 052	52	67.1	6.3
L-TYPE-053	53	68.1	6.3
L-TYPE 055	55	70.1	6.3
L-TYPE 056	56	71.1	6.3
L-TYPE 058	58	73.1	6.3
L-TYPE 060	60	75.1	6.3
L-TYPE 062	62	77.1	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 070	70	85.1	6.3
L-TYPE 072	72	87.1	6.3
L-TYPE 075	75	90.1	6.3
L-TYPE 080	80	95.1	6.3
L-TYPE 085	85	100.1	6.3
L-TYPE 089	89	104.1	6.3
L-TYPE 090	90	105.1	6.3

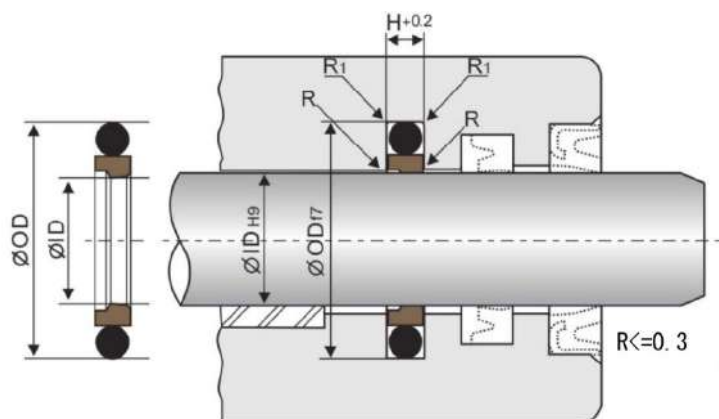
L-TYPE BUFFER SEAL



APPLICATION	
MATERIAL	PTFE+NBR
TEMP.	-40°C~110°C
PRESSURE	350kgf/cm ²
SPEED	1.5m/s

ITEM	ID	OD	H
L-TYPE-091	91	107.1	6.3
L-TYPE 092	92	107.1	6.3
L-TYPE 095	95	110.1	6.3
L-TYPE 098	98	113.1	6.3
L-TYPE 100	100	115.1	6.3
L-TYPE 105	105	120.1	6.3
L-TYPE 108	108	123.1	6.3
L-TYPE 110	110	125.1	6.3
L-TYPE 115	115	130.1	6.3
L-TYPE 118	118	133.1	6.3
* L-TYPE 118	118	133.5	6.3
L-TYPE 120	120	135.1	6.3
L-TYPE 125	125	140.1	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 140	140	155.1	6.3
L-TYPE 145	145	160.1	6.3
L-TYPE 147	147	162.1	6.3
L-TYPE 150	150	165.1	6.3
L-TYPE 155	155	170.1	6.3
L-TYPE 157	157	172.1	6.3
L-TYPE 160	160	175.1	6.3
L-TYPE 165	165	180.1	6.3
L-TYPE 170	170	185.1	6.3
L-TYPE 175	175	190.1	6.3
L-TYPE 177	177	192.1	6.3
L-TYPE 180	180	195.1	6.3
L-TYPE 185	185	200.1	6.3
L-TYPE 190	190	205.1	6.3
L-TYPE 195	195	210.1	6.3
L-TYPE 080	80	100.5	8.1

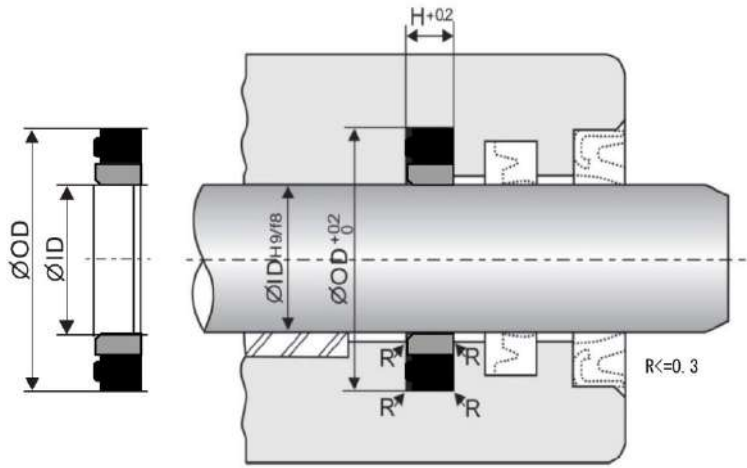
L-TYPE BUFFER SEAL



APPLICATION	
MATERIAL	PTFE+NBR
TEMP.	-40°C~110°C
PRESSURE	350kgf/cm ²
SPEED	1.5m/s

ITEM	ID	OD	H
L-TYPE 085	85	105.5	8.1
L-TYPE 095	95	115.5	8.1
L-TYPE 105	105	125.5	8.1
L-TYPE 110	110	130.5	8.1
L-TYPE 130	130	150.5	8.1
L-TYPE 180	180	200.5	8.1
L-TYPE 185	185	205.5	8.1
L-TYPE 200	200	220.5	8.1
L-TYPE 205	205	225.5	8.1
L-TYPE 210	210	230.5	8.1
L-TYPE 215	215	235.5	8.1
L-TYPE 220	220	240.5	8.1
L-TYPE 230	230	250.5	8.1
L-TYPE 250	250	270.5	8.1
L-TYPE 270A	270	290.5	8.1
L-TYPE 270	270	294	8.1
L-TYPE 280	280	304	8.1
L-TYPE 300	300	324	8.1
L-TYPE 310	310	334	8.1
L-TYPE 335	335	359	8.1
L-TYPE 360	360	384	8.1
L-TYPE 400	400	424	8.1
L-TYPE 710	710	737.3	9.5

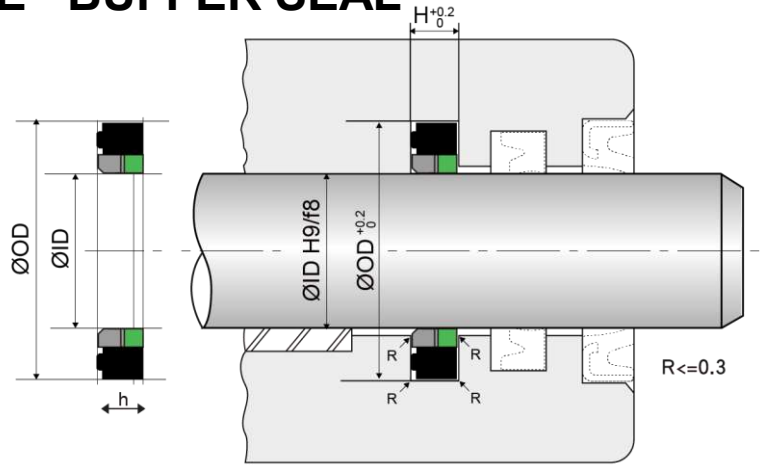
K-TYPE BUFFER SEAL



APPLICATION	
MATERIAL	PTFE+NBR
TEMP.	-40°C~110°C
PRESSURE	350kgf/cm ²
SPEED	1.5m/s

ITEM	ID	OD	H
K-TYPE 055	55	70.5	6.3
K-TYPE 060	60	75.5	6.3
K-TYPE 065	65	80.5	6.3
K-TYPE 070	70	85.5	6.3
K-TYPE 075	75	90.5	6.3
K-TYPE 080	80	95.5	6.3
K-TYPE 085	85	100.5	6.3
K-TYPE 090	90	105.5	6.3
K-TYPE 095	95	110.5	6.3
K-TYPE 100	100	115.5	6.3
K-TYPE 105	105	120.5	6.3
K-TYPE 110	110	125.5	6.3
K-TYPE 115	115	130.5	6.3
K-TYPE 120	120	135.5	6.3
K-TYPE 130	130	145.5	6.3
K-TYPE 150	150	165	6.3

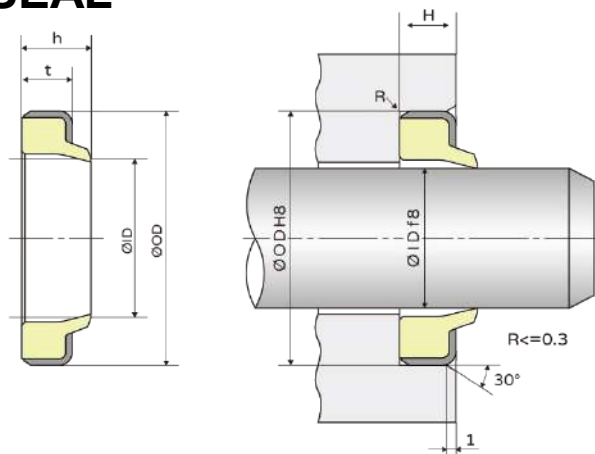
KN-TYPE BUFFER SEAL



APPLICATION	
MATERIAL	PTFE+NY+NBR
TEMP.	-40°C~110°C
PRESSURE	350kgf/cm ²
SPEED	1.5m/s

ITEM	ID	OD	H
KN-TYPE 055	55	70.5	6.3
KN-TYPE 060	60	75.5	6.3
KN-TYPE 065	65	80.5	6.3
KN-TYPE 070	70	85.5	6.3
KN-TYPE 075	75	90.5	6.3
KN-TYPE 080	80	95.5	6.3
KN-TYPE 085	85	100.5	6.3
KN-TYPE 090	90	105.5	6.3
KN-TYPE 095	95	110.5	6.3
KN-TYPE 100	100	115.5	6.3
KN-TYPE 105	105	120.5	6.3
KN-TYPE 110	110	125.5	6.3
KN-TYPE 120	120	135.5	6.3

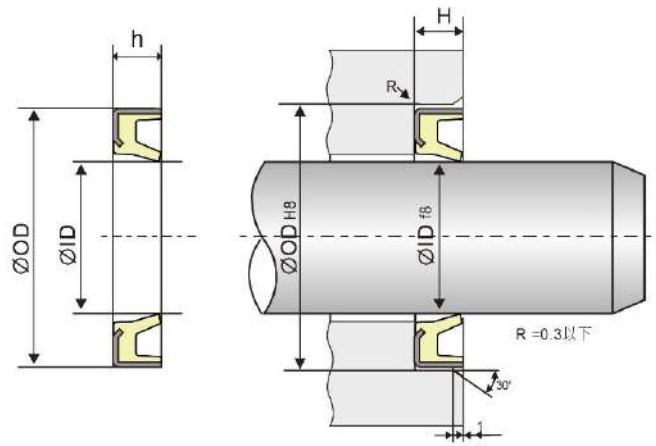
DI2 WIPER SEAL



APPLICATION	
MATERIAL	PU+STEEL
TEMP.	-35°C~100°C
SPEED	1m/s

ITEM	ID	OD	t/h	ITEM	ID	OD	t/h
* DI2-010	10	20	5/7	* DI2-065	65	79	8/11
* DI2-012.5	12.5	23	5/7	* DI2-067	67	81	8/11
* DI2-014	14	24	5/7	DI2-070	70	84	8/11
* DI2-015	15	25	5/7	* DI2-070	70	84	8/13
* DI2-016	16	26	5/7	* DI2-071	71	85	8/11
* DI2-018	18	28	5/7	DI2-075	75	88	7/9.5
* DI2-018	18	30	6/9	* DI2-075	75	89	8/11
* DI2-020	20	32	6/9	* DI2-075	75	89	8/13
* DI2-022.4	22.4	34.4	6/9	DI2-080	80	93	7/9.5
* DI2-025	25	35	5/7	DI2-080	80	94	8/11
* DI2-025	25	37	6/9	* DI2-080	80	94	8/13
* DI2-028	28	40	6/9	* DI2-085	85	99	8/11
* DI2-030	30	40	5/7	* DI2-085	85	99	8/13
* DI2-030	30	42	6/9	DI2-090	90	104	8/11
* DI2-031.5	31.5	44	7/10	* DI2-090	90	104	8/13
* DI2-032	32	44	7/10	* DI2-095	95	109	8/11
* DI2-035	35	47	7/10	* DI2-095	95	109	8/13
* DI2-035.5	35.5	47.5	7/10	* DI2-100	100	114	8/11
* DI2-038	38	50	7/10	* DI2-100	100	114	8/13
DI2-040	40	52	7/10	* DI2-105	105	121	9/12
DI2-042	42	52	6/8	* DI2-105	105	121	9/15
DI2-045	45	57	7/10	* DI2-110	110	126	9/12
DI2-050	50	60	7/10	* DI2-115	115	131	9/12
DI2-050	50	62	7/10	* DI2-115	115	131	9/15
* DI2-053	53	67	8/11	* DI2-120	120	136	9/12
* DI2-055	55	69	8/11	* DI2-125	125	141	9/12
* DI2-056	56	70	8/11	* DI2-140	140	160	10/14
DI2-060	60	74	8/11	* DI2-150	150	170	10/14
* DI2-060	60	74	8/13	* DI2-170	170	190	10/14
* DI2-063	63	77	8/11	* DI2-180	180	205	12/17
* DI2-064	64	78	8/11				

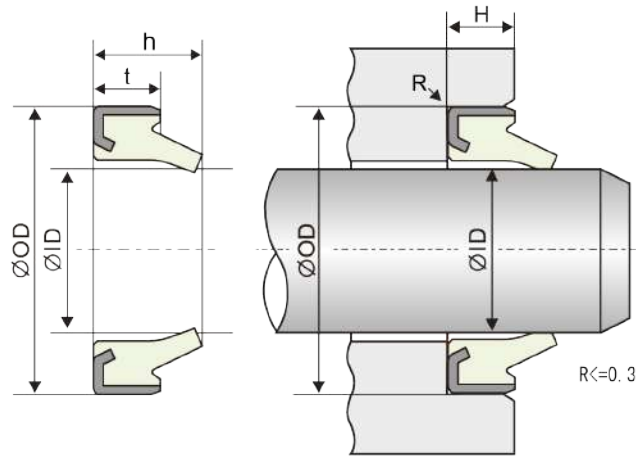
DW2 WIPER SEAL



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

ITEM	ID	OD	h	H
DW2-036	36	48	6	6 ^{+0.5} _{+0.3}
DW2-040	40	52	7	7 ^{+0.5} _{+0.3}
DW2-045	45	57	7	7 ^{+0.5} _{+0.3}
DW2-050	50	62	7	7 ^{+0.5} _{+0.3}
DW2-039.75	39.75	50	8	8 ^{+0.5} _{+0.3}
DW2-042	42	52	8	8 ^{+0.5} _{+0.3}
DW2-055	55	69	8	8 ^{+0.6} _{+0.4}
DW2-060	60	74	8	8 ^{+0.6} _{+0.4}
DW2-065	65	79	8	8 ^{+0.6} _{+0.4}
DW2-070	70	84	8	8 ^{+0.6} _{+0.4}
DW2-075	75	89	8	8 ^{+0.6} _{+0.4}
DW2-080	80	94	8	8 ^{+0.6} _{+0.4}
DW2-085	85	99	8	8 ^{+0.6} _{+0.4}
DW2-090	90	104	8	8 ^{+0.6} _{+0.4}
DW2-100	100	114	8	8 ^{+0.6} _{+0.4}
DW2-105	105	121	9	9 ^{+0.6} _{+0.4}
DW2-110	110	126	9	9 ^{+0.6} _{+0.4}
DW2-120	120	136	9	9 ^{+0.6} _{+0.4}
DW2-130	130	146	9	9 ^{+0.6} _{+0.4}
DW2-110	110	130	10	10 ^{+0.6} _{+0.4}
DW2-140	140	160	10	10 ^{+0.6} _{+0.4}
DW2-150	150	170	10	10 ^{+0.6} _{+0.4}

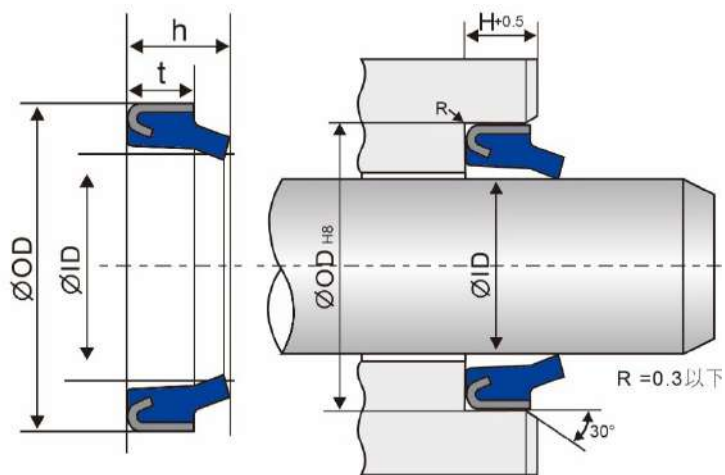
DW4 WIPER SEAL



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

ITEM	ID	OD	t	h	H
DW4-050	50	64	8	13	8 ^{+0.6} _{+0.4}
DW4-055	55	69	8	13	8 ^{+0.6} _{+0.4}
DW4-060	60	74	8	13	8 ^{+0.6} _{+0.4}
DW4-065	65	79	8	13	8 ^{+0.6} _{+0.4}
DW4-070	70	84	8	13	8 ^{+0.6} _{+0.4}
DW4-075	75	89	8	13	8 ^{+0.6} _{+0.4}
DW4-080	80	94	8	13	8 ^{+0.6} _{+0.4}
DW4-085	85	99	8	13	8 ^{+0.6} _{+0.4}
DW4-090	90	104	8	13	8 ^{+0.6} _{+0.4}
DW4-095	95	109	8	13	8 ^{+0.6} _{+0.4}
DW4-100	100	114	8	13	8 ^{+0.6} _{+0.4}
DW4-105	105	121	9	15	9 ^{+0.6} _{+0.4}
DW4-110	110	126	9	15	9 ^{+0.6} _{+0.4}
DW4-115	115	131	9	15	9 ^{+0.6} _{+0.4}
DW4-120	120	136	9	15	9 ^{+0.6} _{+0.4}
DW4-130	130	146	9	15	9 ^{+0.6} _{+0.4}

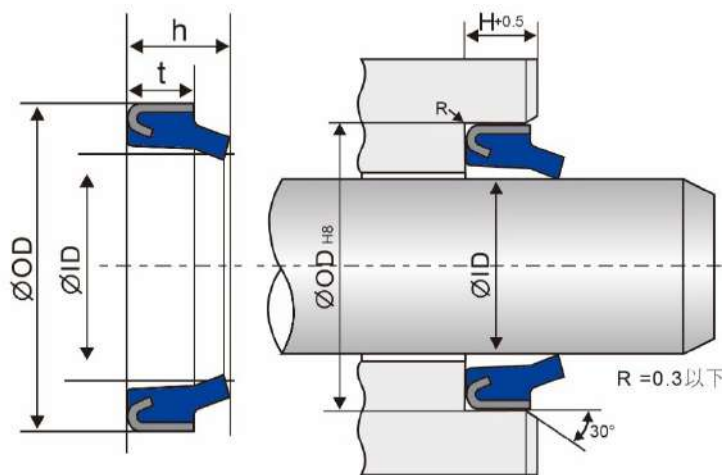
PA WIPER SEAL



APPLICATION	
MATERIAL	PU+STEEL
TEMP.	-40°C~110°C
SPEED	1m/s

ITEM	ID	OD	t	h
PA-025	25	35	5	8
* PA-028	28	38	5	8
* PA-030	30	40	5	8
* PA-030	30	45	5	8
PA-032	32	42	5	8
* PA-035	35	45	5	8
* PA-036	36	46	5	8
* PA-040	40	50	5	8
* PA-045	45	55	5	8
* PA-050	50	60	5	8
* PA-055	55	65	5	8
* PA-056	56	66	5	8
* PA-060	60	74	5	8
* PA-060	60	70	5	8
* PA-063	63	83	5	8
* PA-070	70	80	5	8
PA-018	18	28	7	10
* PA-020	20	30	7	10
PA-022	22	32	7	10
PA-025	25	35	7	10
* PA-028	28	38	7	10
PA-030	30	40	7	10
PA-032	32	42	7	10
PA-032	32	45	7	10
PA-035	35	45	7	10
* PA-036	36	46	7	10
* PA-038	38	48	7	10
PA-040	40	50	7	10
PA-045	45	55	7	10
PA-050	50	60	7	10
PA-055	55	65	7	10
PA-056	56	66	7	10
PA-060	60	70	7	10
* PA-063	63	73	7	10
PA-065	65	75	7	10

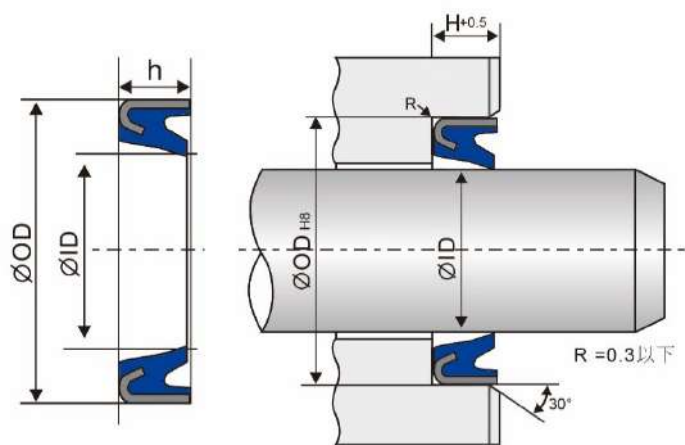
PA WIPER SEAL



APPLICATION	
MATERIAL	PU+STEEL
TEMP.	-40°C~110°C
SPEED	1m/s

ITEM	ID	OD	t	h
PA-070	70	80	7	10
* PA-075	75	85	7	10
* PA-080	80	90	7	10
* PA-085	85	95	7	10
PA-090	90	100	7	10
* PA-095	95	105	7	10
PA-100	100	110	7	10
* PA-110	110	120	7	10
* PA-105	105	115	7	10
PA-120	120	130	7	10
* PA-125	125	140	9	12
PA-130	130	145	9	12
PA-140	140	155	9	12
* PA-160	160	175	9	12
* PA-180	180	195	10	14

PAK WIPER SEAL

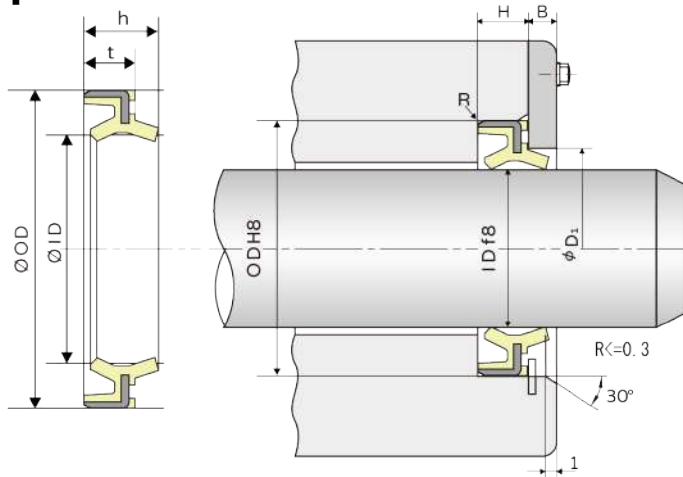


APPLICATION	
MATERIAL	PU+STEEL
TEMP.	-40°C~110°C
SPEED	1m/s

ITEM	ID	OD	h	H
* PAK-030	30	40	4.5	5
* PAK-035	35	45	4.5	5
* PAK-040	40	50	4.5	5
* PAK-050	50	60	7	7.5
* PAK-060	60	70	7	7.5
* PAK-065	65	75	7	7.5
* PAK-070	70	80	4.5	5
PAK-070	70	80	7	7.5
* PAK-075	75	90	4.5	5
* PAK-080	80	90	4.5	5
* PAK-080	80	90	7	7.5
* PAK-080	80	95	7	7.5
* PAK-085	85	95	7	7.5
PAK-090	90	100	7	7.5
PAK-100	100	110	7	7.5
* PAK-110	110	120	7	7.5
* PAK-110	110	125	7	7.5
PAK-120	120	130	7	7.5
* PAK-130	130	140	7	7.5
* PAK-140	140	155	7	7.5
* PAK-150	150	160	7	7.5
* PAK-170	170	185	7	7.5
* PAK-190	190	205	7	7.5

DKBI-DK4 N type WIPER SEAL

(wheel type)

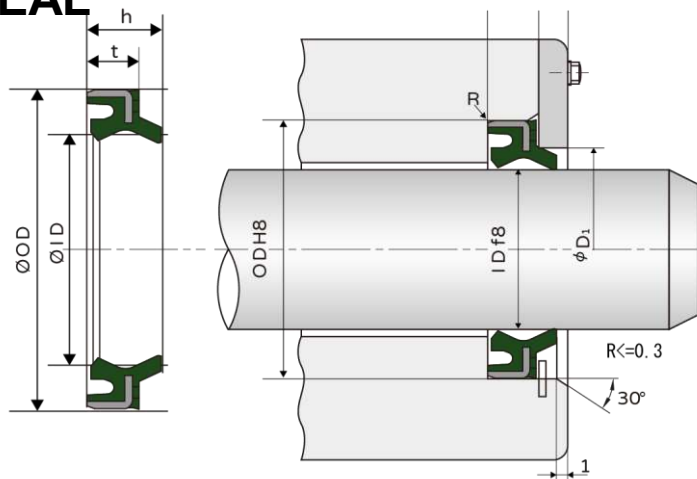


APPLICATION	
MATERIAL	PU+STEEL
TEMP.	-40°C~110°C
SPEED	1m/s

ITEM	ID	OD	t	h	D1	H	B
DK4-025	25	37	6	9	32	6 ^{+0.5} _{+0.3}	4
DK4-030	30	42	6	9	37	6 ^{+0.5} _{+0.3}	4
DK4-035	35	47	7	10	42	7 ^{+0.5} _{+0.3}	4
DK4-040	40	52	7	10	47	7 ^{+0.5} _{+0.3}	4
DK4-045	45	57	7	10	52	7 ^{+0.5} _{+0.3}	4
DK4-050	50	62	7	10	57	7 ^{+0.5} _{+0.3}	4
DK4-055	55	69	8	11	62	8 ^{+0.6} _{+0.4}	4
DK4-060	60	74	8	11	67	8 ^{+0.6} _{+0.4}	4
DK4-065	65	79	8	11	72	8 ^{+0.6} _{+0.4}	4
DK4-070	70	84	8	11	77	8 ^{+0.6} _{+0.4}	4
DK4-075	75	89	8	11	82	8 ^{+0.6} _{+0.4}	4
DK4-080	80	94	8	12	87	8 ^{+0.6} _{+0.4}	4
DK4-085	85	99	8	11	92	8 ^{+0.6} _{+0.4}	4
DK4-090	90	104	8	11	97	8 ^{+0.6} _{+0.4}	4
DK4-095	95	109	8	11	102	8 ^{+0.6} _{+0.4}	4
DK4-100	100	114	8	11	107	8 ^{+0.6} _{+0.4}	4
DK4-105	105	121	9	12	113	9 ^{+0.6} _{+0.4}	5
DK4-110	110	126	9	12	118	9 ^{+0.6} _{+0.4}	5
DK4-115	115	131	9	12	123	9 ^{+0.6} _{+0.4}	5
DK4-120	120	136	9	12	128	9 ^{+0.6} _{+0.4}	5
* DK4-125	125	141	9	12	133	9 ^{+0.6} _{+0.4}	5
DK4-130	130	146	9	13	138	9 ^{+0.6} _{+0.4}	5

Standard items are without a drilled hole inside. Additonal charge for drilled hole items.

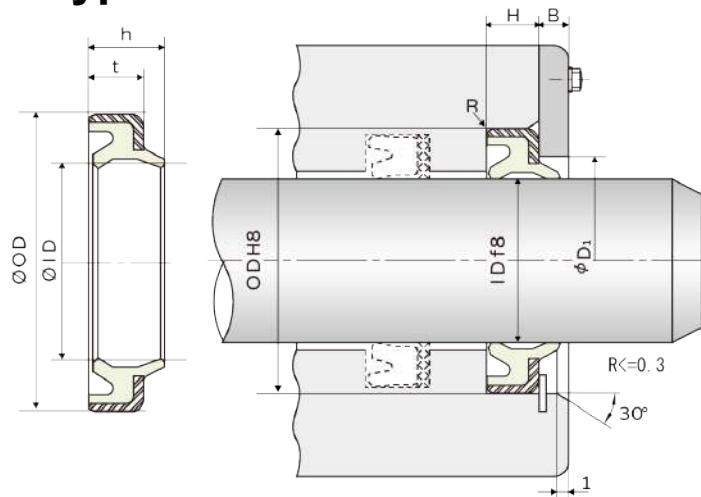
DKBZ WIPER SEAL



APPLICATION	
MATERIAL	PU+STEEL
TEMP.	-40°C~110°C
SPEED	1m/s

ITEM	ID	OD	t	h	H	B
* DKBZ-020	20	32	6	9	6 ^{+0.5} _{+0.3}	4
* DKBZ-025	25	37	6	9	6 ^{+0.5} _{+0.3}	4
* DKBZ-030	30	42	6	9	7 ^{+0.5} _{+0.3}	4
* DKBZ-035	35	47	7	10	7 ^{+0.5} _{+0.3}	4
* DKBZ-040	40	52	7	10	7 ^{+0.5} _{+0.3}	4
* DKBZ-045	45	57	7	10	7 ^{+0.5} _{+0.3}	4
* DKBZ-050	50	62	7	10	7 ^{+0.5} _{+0.3}	4
DKBZ-055	55	69	8	11.5	8 ^{+0.6} _{+0.4}	4
DKBZ-060	60	74	8	11.5	8 ^{+0.6} _{+0.4}	4
DKBZ-065	65	79	8	11.5	8 ^{+0.6} _{+0.4}	4
DKBZ-070	70	84	8	11.5	8 ^{+0.6} _{+0.4}	4
DKBZ-075	75	89	8	11.5	8 ^{+0.6} _{+0.4}	4
DKBZ-080	80	94	8	11.5	8 ^{+0.6} _{+0.4}	4
DKBZ-085	85	99	8	11.5	8 ^{+0.6} _{+0.4}	4
DKBZ-090	90	104	8	11.5	8 ^{+0.6} _{+0.4}	4
DKBZ-095	95	109	8	11.5	8 ^{+0.6} _{+0.4}	4
DKBZ-100	100	114	8	11.5	8 ^{+0.6} _{+0.4}	4
DKBZ-105	105	121	9	13	9 ^{+0.6} _{+0.4}	5
DKBZ-110	110	126	9	13	9 ^{+0.6} _{+0.4}	5
DKBZ-115	115	131	9	13	9 ^{+0.6} _{+0.4}	5
DKBZ-120	120	136	9	13	9 ^{+0.6} _{+0.4}	5
DKBZ-130	130	146	9	13	9 ^{+0.6} _{+0.4}	5
* DKBZ-140	140	160	10	15	10 ^{+0.6} _{+0.4}	5
* DKBZ-160	160	180	10	15	10 ^{+0.6} _{+0.4}	5
* DKBZ-170	170	190	10	15	10 ^{+0.6} _{+0.4}	5

DKBI-DK6 K type WIPER SEAL

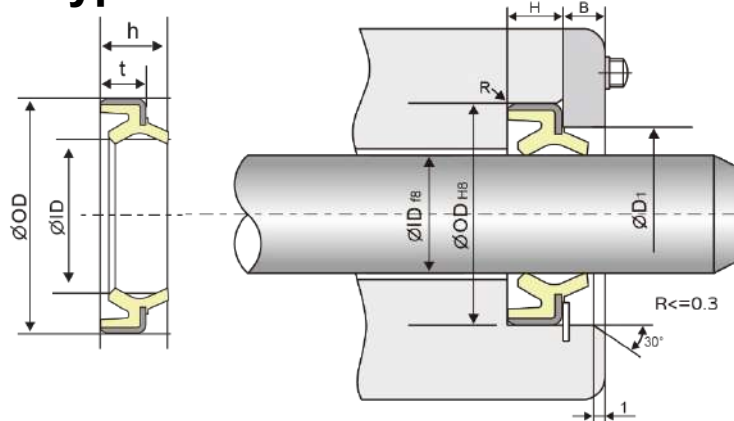


APPLICATION	
MATERIAL	PU+STEEL
TEMP.	-40°C~110°C
SPEED	1m/s

ITEM	ID	OD	t	h	D1	H
DK6-085	85	99	8	11	92	
DK6-035	35	47	7	12	42	7 ^{+0.5} _{+0.3}
DK6-040	40	52	7	12	47	7 ^{+0.5} _{+0.3}
DK6-045	45	57	7	12	52	7 ^{+0.5} _{+0.3}
DK6-050	50	62	7	12	57	7 ^{+0.5} _{+0.3}
DK6-036	36	50	8	13	43	
DK6-055	55	69	8	13	62	8.5 ^{+0.6} _{+0.4}
DK6-060	60	74	8	13	67	8.5 ^{+0.6} _{+0.4}
DK6-065	65	79	8	13	72	8.5 ^{+0.6} _{+0.4}
DK6-070	70	84	8	13	77	8.5 ^{+0.6} _{+0.4}
DK6-075	75	89	8	13	82	8.5 ^{+0.6} _{+0.4}
DK6-080	80	94	8	13	87	8.5 ^{+0.6} _{+0.4}
DK6-085	85	99	8	13	92	8.5 ^{+0.6} _{+0.4}
DK6-090	90	104	8	13	97	8.5 ^{+0.6} _{+0.4}
DK6-095	95	109	8	13	102	8.5 ^{+0.6} _{+0.4}
DK6-100	100	114	8	13	107	8.5 ^{+0.6} _{+0.4}
DK6-105	105	121	9	15	113	9.5 ^{+0.6} _{+0.4}
DK6-110	110	126	9	15	118	9.5 ^{+0.6} _{+0.4}
DK6-115	115	131	9	15	123	9.5 ^{+0.6} _{+0.4}
DK6-120	120	136	9	15	128	9.5 ^{+0.6} _{+0.4}
DK6-125	125	141	9	15	133	9.5 ^{+0.6} _{+0.4}
DK6-130	130	146	9	15	138	9.5 ^{+0.6} _{+0.4}
DK6-140	140	160	10	17	150	10.5 ^{+0.6} _{+0.4}
DK6-145	145	165	10	17	152	10.5 ^{+0.6} _{+0.4}
DK6-150	150	170	10	17	157	10.5 ^{+0.6} _{+0.4}
DK6-160	160	180	10	17	167	10.5 ^{+0.6} _{+0.4}
DK6-180	180	205	12	20	187	12.65 ^{+0.6} _{+0.4}
DK6-200	200	225	12	20	207	12.65 ^{+0.6} _{+0.4}

Standard items are without a drilled hole inside. Additional charge for drilled hole items.

DKBI-DK8 N type WIPER SEAL



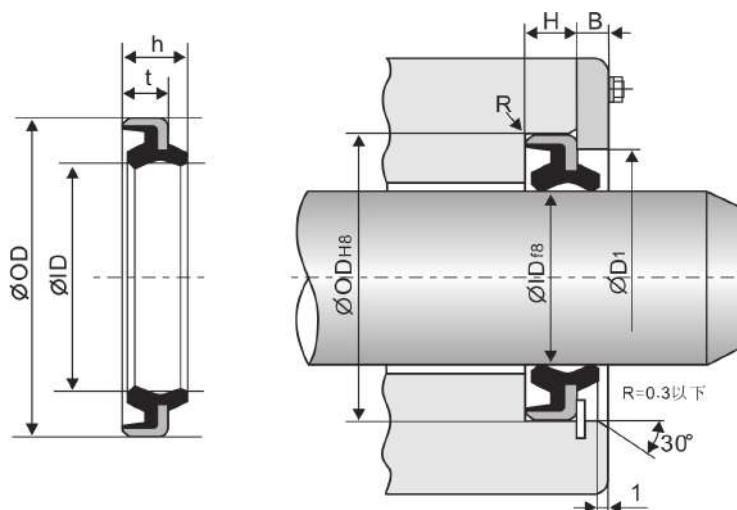
APPLICATION	
MATERIAL	PU+STEEL
TEMP.	-40°C~110°C
SPEED	1m/s

(non wheel type)

ITEM	ID	OD	t	h	D1	H	B
DK8-019	19	31	6	9	26	6 ^{+0.5} _{+0.3}	4
DK8-020	20	32	6	9	27	6 ^{+0.5} _{+0.3}	4
DK8-022	22	34	6	9	29	6 ^{+0.5} _{+0.3}	4
DK8-025	25	37	6	9	32	6 ^{+0.5} _{+0.3}	4
DK8-028	28	40	6	9	35	6 ^{+0.5} _{+0.3}	4
DK8-030	30	42	6	9	37	6 ^{+0.5} _{+0.3}	4
DK8-032	32	44	7	10	39	7 ^{+0.5} _{+0.3}	4
DK8-035	35	47	7	10	42	7 ^{+0.5} _{+0.3}	4
DK8-040	40	52	7	10	47	7 ^{+0.5} _{+0.3}	4
DK8-045	45	57	7	10	52	7 ^{+0.5} _{+0.3}	4
DK8-050	50	62	7	10	57	7 ^{+0.5} _{+0.3}	4
DK8-055	55	69	8	11	62	8 ^{+0.6} _{+0.4}	4
DK8-060	60	74	8	11	67	8 ^{+0.6} _{+0.4}	4
DK8-063	63	78	7	10	70	7 ^{+0.5} _{+0.3}	4
DK8-065	65	79	8	11	72	8 ^{+0.6} _{+0.4}	4
DK8-070	70	84	8	11	77	8 ^{+0.6} _{+0.4}	4
DK8-075	75	89	8	11	82	8 ^{+0.6} _{+0.4}	4
DK8-080	80	94	8	11	87	8 ^{+0.6} _{+0.4}	4
DK8-085	85	99	8	11	92	8 ^{+0.6} _{+0.4}	4
DK8-090	90	104	8	11	97	8 ^{+0.6} _{+0.4}	4
DK8-095	95	109	8	11	102	8 ^{+0.6} _{+0.4}	4
DK8-100	100	114	8	11	107	8 ^{+0.6} _{+0.4}	4
DK8-105	105	121	9	12	113	9 ^{+0.6} _{+0.4}	5
DK8-110	110	126	9	12	118	9 ^{+0.6} _{+0.4}	5
DK8-115	115	131	9	12	123	9 ^{+0.6} _{+0.4}	5
DK8-120	120	136	9	12	128	9 ^{+0.6} _{+0.4}	5
DK8-125	125	141	9	12	133	9 ^{+0.6} _{+0.4}	5
DK8-130	130	146	9	12	138	9 ^{+0.6} _{+0.4}	5
DK8-135	135	155	10	14	145	10 ^{+0.6} _{+0.4}	5
DK8-140	140	160	10	14	150	10 ^{+0.6} _{+0.4}	5
DK8-150	150	170	10	14	160	10 ^{+0.6} _{+0.4}	5
DK8-160	160	180	10	14	170	10 ^{+0.6} _{+0.4}	5
DK8-170	170	190	10	14	180	10 ^{+0.6} _{+0.4}	5

Standard items are without a drilled hole inside. Additonal charge for drilled hole items.

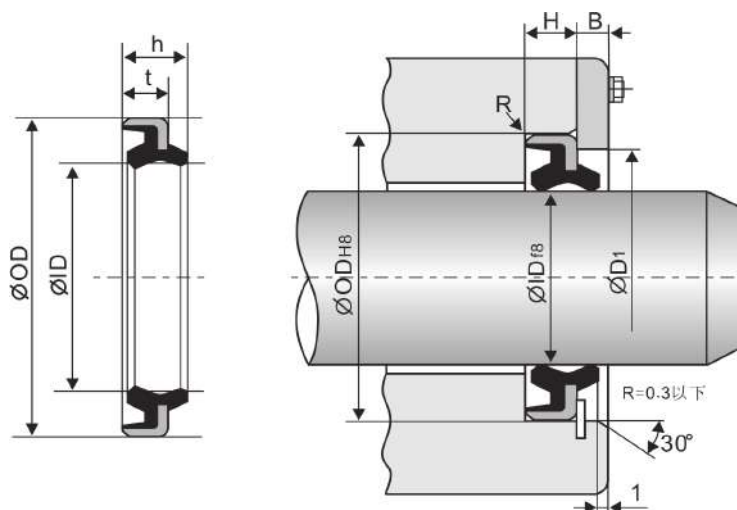
DKN WIPER SEAL



APPLICATION	
MATERIAL	NBR+STEEL
TEMP.	-30°C~100°C

ITEM	ID	OD	t	h	D1	H	B
DKN-014	14	22	4	5	19	4 ^{+0.5} _{+0.3}	4
DKN-014	14	24	5	7	19	5 ^{+0.5} _{+0.3}	4
DKN-016	16	26	5	7	21	5 ^{+0.5} _{+0.3}	4
DKN-010	10	20	5	8	16	5 ^{+0.5} _{+0.3}	3
DKN-018	18	30	6	9	25	6 ^{+0.5} _{+0.3}	4
DKN-019	19	31	6	9	26	6 ^{+0.5} _{+0.3}	4
DKN-020	20	32	6	9	27	6 ^{+0.5} _{+0.3}	4
DKN-022	22	32	6	9	29	6 ^{+0.5} _{+0.3}	4
DKN-022	22	34	6	9	29	6 ^{+0.5} _{+0.3}	4
DKN-025	25	37	6	9	32	6 ^{+0.5} _{+0.3}	4
DKN-025	25	42	6	9			
DKN-028	28	40	6	9	35	6 ^{+0.5} _{+0.3}	4
DKN-030	30	42	6	9	37	6 ^{+0.5} _{+0.3}	4
DKN-030	30	45	6	9	37	6 ^{+0.5} _{+0.3}	4
DKN-030	30	47	7	10	37	7 ^{+0.5} _{+0.3}	4
DKN-032	32	44	7	10	39	7 ^{+0.5} _{+0.3}	4
DKN-035	35	47	7	10	42	7 ^{+0.5} _{+0.3}	4
DKN-040	40	52	7	10	47	7 ^{+0.5} _{+0.3}	4
DKN-040	40	62	7	10	47	7 ^{+0.5} _{+0.3}	4
DKN-045	45	57	7	10	52	7 ^{+0.5} _{+0.3}	4
DKN-045	45	68	7	10	52	7 ^{+0.5} _{+0.3}	4
DKN-050	50	62	7	10	57	7 ^{+0.5} _{+0.3}	4
DKN-032	32	52	8	11	39	8 ^{+0.5} _{+0.3}	4
DKN-050	50	72	8	11	57	8 ^{+0.5} _{+0.3}	4
DKN-055	55	69	8	11	62	8 ^{+0.6} _{+0.4}	4
DKN-056	56	70	8	11	63	8 ^{+0.6} _{+0.4}	4
DKN-060	60	74	8	11	67	8 ^{+0.6} _{+0.4}	4
DKN-065	65	79	8	11	72	8 ^{+0.6} _{+0.4}	4
DKN-070	70	84	8	11	77	8 ^{+0.6} _{+0.4}	4
DKN-075	75	89	8	11	82	8 ^{+0.6} _{+0.4}	4
DKN-080	80	94	8	11	87	8 ^{+0.6} _{+0.4}	4

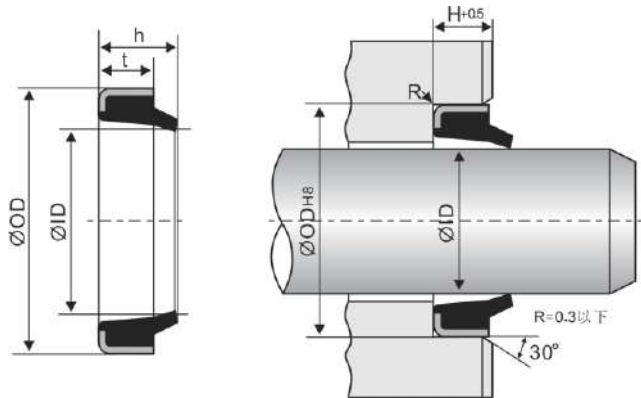
DKN WIPER SEAL



APPLICATION	
MATERIAL	NBR+STEEL
TEMP.	-30°C~100°C

ITEM	ID	OD	t	h	D1	H	B
DKN-085	85	99	8	11	92	8 ^{+0.6} _{+0.4}	4
DKN-090	90	104	8	11	97	8 ^{+0.6} _{+0.4}	4
DKN-095	95	109	8	11	102	8 ^{+0.6} _{+0.4}	4
DKN-100	100	114	8	11	107	8 ^{+0.6} _{+0.4}	4
DKN-035	35	55	9.3	12			
DKN-105	105	121	9	12	113	9 ^{+0.6} _{+0.4}	5
DKN-110	110	126	9	12	118	9 ^{+0.6} _{+0.4}	5
DKN-112	112	128	9	12	120	9 ^{+0.6} _{+0.4}	5
DKN-115	115	131	9	12	123	9 ^{+0.6} _{+0.4}	5
DKN-120	120	136	9	12	128	9 ^{+0.6} _{+0.4}	5
DKN-125	125	141	9	12	133	9 ^{+0.6} _{+0.4}	5
DKN-130	130	146	9	12	138	9 ^{+0.6} _{+0.4}	5
DKN-060	60	82	11	14	67	11 ^{+0.6} _{+0.4}	4
DKN-140	140	160	10	14	150	10 ^{+0.6} _{+0.4}	5
DKN-150	150	170	10	14	160	10 ^{+0.6} _{+0.4}	5
DKN-155	155	175	10	14	165	10 ^{+0.6} _{+0.4}	5
DKN-160	160	180	10	14	170	10 ^{+0.6} _{+0.4}	5
DKN-170	170	190	10	14	180	10 ^{+0.6} _{+0.4}	5
DKN-180	180	205	12	17	191	12 ^{+0.7} _{+0.5}	6
DKN-200	200	225	12	17	212	12 ^{+0.7} _{+0.5}	6
DKN-210	210	235	12	17			
DKN-225	225	250	12	17	237	12 ^{+0.7} _{+0.5}	6
DKN-250	250	275	12	17	262	12 ^{+0.7} _{+0.5}	6
DKN-260	260	285	12	17			

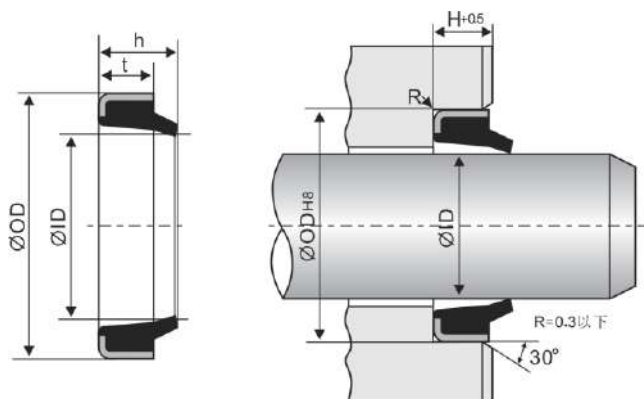
DA2 WIPER SEAL



APPLICATION	
MATERIAL	NBR+STEEL
TEMP.	-35°C~80°C

ITEM	ID	OD	t	h
DA2-012	12	20	4	6
DA2-015	15	25	5	8
DA2-016	16	22	3	4
DA2-016*26	16	26	5	8
DA2-018	18	28	7	10
DA2-020	20	30	5	8
DA2-020*30*7	20	30	7	10
DA2-022	22	28	5	9
DA2-022	22	28	5	14
DA2-022*32*5	22	32	5	7
DA2-022*32*7	22	32	7	10
DA2-025	25	35	5	8
DA2-025*35*7	25	35	7	10
DA2-028	28	38	5	8
DA2-028*40	28	40	7	10
DA2-028*42	28	42	7	10
DA2-030	30	38	5	7
DA2-030*40	30	40	7	10
DA2-032	32	45	4	8
DA2-035	35	45	5	8
DA2-035*45*7	35	45	7	10
DA2-036	36	45	7	10
DA2-040	40	50	5	8
DA2-040*50*7	40	50	7	10
DA2-045	45	53	5	8
DA2-045*55	45	55	7	10
DA2-045*60	45	60	7	10
DA2-050	50	60	5	7
DA2-050*60	50	60	7	10
DA2-050*65	50	65	7	10
DA2-055	55	65	7	10
DA2-056	56	66	7	10
DA2-060*70	60	70	7	10
DA2-060*75	60	75	7	10
DA2-063	63	75	7	10
DA2-065	65	75	7	10
DA2-070	70	80	7	10

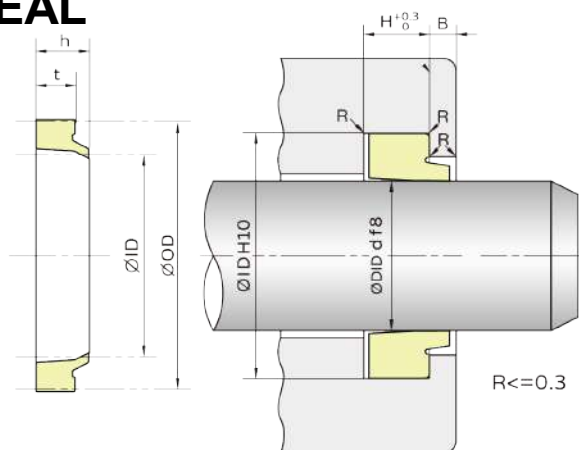
DA2 WIPER SEAL



APPLICATION	
MATERIAL	NBR+STEEL
TEMP.	-35°C~80°C

ITEM	ID	OD	t	h
DA2-075	75	85	7	10
DA2-080	80	90	7	10
DA2-085	85	95	7	10
DA2-090	90	100	7	10
DA2-095	95	105	7	10
DA2-100	100	110	7	10
DA2-105	105	115	7	10
DA2-110	110	120	7	10
DA2-115	115	125	7	10
DA2-120	120	130	7	10
DA2-125	125	140	9	12
DA2-135	135	150	9	12
DA2-140	140	155	9	12
DA2-150	150	165	9	12
DA2-170	170	185	9	12
DA2-180	180	195	10	14
DA2-185	185	200	10	14
DA2-200	200	220	12	16

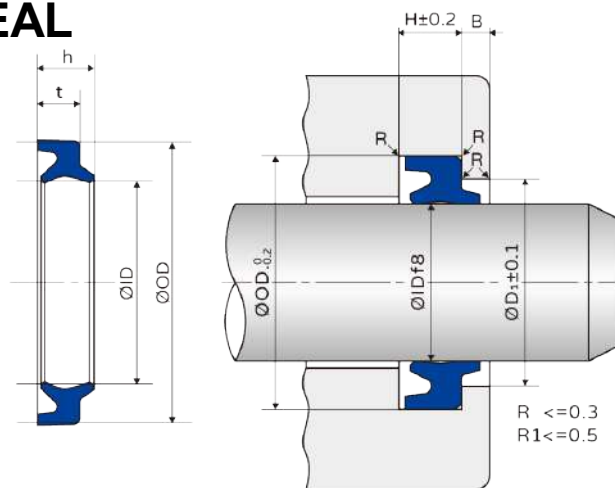
DS2 WIPER SEAL



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

ITEM	ID	OD	t	h	H
DS2-024	24	32	2.3	6	5
DS2-016	16	24	4.5	6	5
DS2-020	20	28	4.5	6	5
DS2-025	25	33	4.5	6	5
DS2-028	28	36	4.5	6	5
DS2-024	24	32	2.3	6.5	
DS2-030	30	38	5	6.5	6
DS2-035	35	43	5	6.5	6
DS2-038	38	46	5	6.5	6
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
DS2-036	36	44.6	5.3	7	
DS2-040	40	48.6	5.3	7	
DS2-045	45	53	5	7	6
DS2-045	45	53.6	5.3	7	
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
DS2-060	60	70	5	9.5	
DS2-060	60	73	5	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	

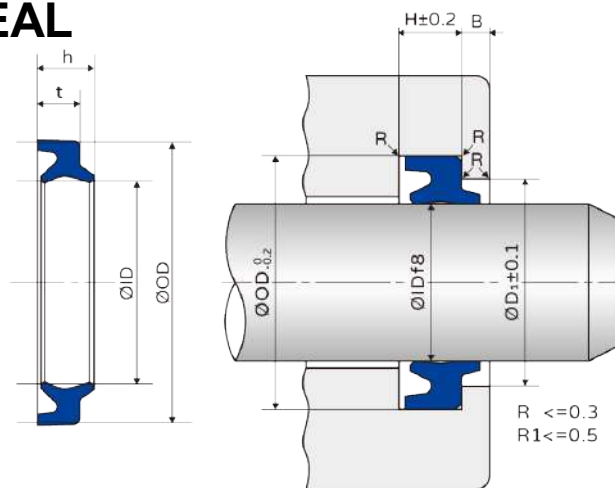
DH2 WIPER SEAL



APPLICATION	
MATERIAL	PU
TEMP.	-35°C~100°C
SPEED	1 m/s

ITEM	ID	OD	t	h	D1	H
* DH2-05	5	10	3.1	4.1	7.5	3.5
* DH2-08	8	13	3.1	4.1	10.5	3.5
* DH2-010	10	16	3.6	4.8	12.5	4
* DH2-014	14	20	3.6	4.8	16.5	4
* DH2-016	16	22	3.6	4.8	18.5	4
* DH2-018	18	24	3.6	4.8	20.5	4
DH2-020	20	26	3.6	4.8	22.5	4
* DH2-022	22	28	3.6	4.8	24.5	4
* DH2-025	25	31	3.6	4.8	27.5	4
DH2-012	12	20	3.8	5.5		
* DH2-028	28	36	4.5	5.8	31	5
* DH2-030	30	38	4.5	5.8	33	5
* DH2-032	32	40	4.5	5.8	35	5
* DH2-035	35	43	4.5	5.8	38	5
* DH2-036	36	44	4.5	5.8	39	5
* DH2-040	40	48	4.5	5.8	43	5
* DH2-045	45	53	4.5	5.8	48	5
* DH2-050	50	58	4.5	5.8	53	5
DH2-045	45	53	4.7	5.8		
DH2-050	50	58	4.7	5.8		
DH2-011.2	11.2	19.2	4.5	6	15.5	5
DH2-014	14	22	4.5	6	18.3	5
DH2-016	16	24	4.5	6	20.3	5
DH2-018	18	26	4.5	6	22.3	5
DH2-020	20	28	4.5	6	24.3	5
DH2-022	22	30	4.5	6	26.3	5
DH2-022.4	22.4	30.4	4.5	6	26.7	5
DH2-023.5	23.5	31.5	4.5	6	27.8	5
DH2-025	25	33	4.5	6	29.3	5
DH2-026	26	34	4.5	6	30.3	5
DH2-028	28	36	4.5	6	32.3	5
DH2-036	36	44	4.5	6		
DH2-030	30	38	5	6.5	34	6
DH2-031.5	31.5	39.5	5	6.5	35.5	6
DH2-032	32	40	5	6.5	36	6
* DH2-034	34	42	5	6.5	38	6
DH2-035	35	43	5	6.5	39	6

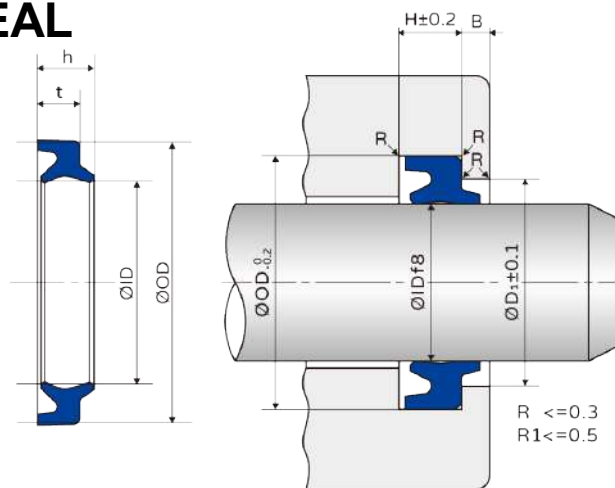
DH2 WIPER SEAL



APPLICATION	
MATERIAL	PU
TEMP.	-35°C~100°C
SPEED	1 m/s

ITEM	ID	OD	t	h	D1	H
DH2-035.5	35.5	43.5	5	6.5	39.5	6
DH2-038	38	46	5	6.5	42	6
DH2-040	40	48	5	6.5	44	6
DH2-045	45	53	5	6.5	49	6
* DH2-048	48	56	5	6.5	52	6
DH2-050	50	58	5	6.5	54	6
DH2-053	53	61	5	6.5	57	6
DH2-055	55	63	5	6.5	59	6
DH2-056	56	64	5	6.5	60	6
* DH2-058	58	66	5	6.5	62	6
DH2-060	60	68	5	6.5	64	6
DH2-063	63	71	5	6.5	67	6
DH2-065	65	73	5	6.5	69	6
DH2-067	67	75	5	6.5	71	6
* DH2-012	12	18.6	3.8	6.8	15	3.8
* DH2-014	14	20.6	3.8	6.8	17	3.8
* DH2-018	18	24.6	3.8	6.8	21	3.8
* DH2-055	55	65	5.3	6.8	58	6
* DH2-056	56	66	5.3	6.8	59	6
* DH2-060	60	70	5.3	6.8	63	6
* DH2-063	63	73	5.3	6.8	66	6
* DH2-065	65	75	5.3	6.8	68	6
* DH2-070	70	80	5.3	6.8	73	6
* DH2-075	75	85	5.3	6.8	78	6
* DH2-080	80	90	5.3	6.8	83	6
* DH2-085	85	95	5.3	6.8	88	6
* DH2-090	90	100	5.3	6.8	93	6
* DH2-100	100	110	5.3	6.8	103	6
* DH2-012	12	18	4	7	14.5	4
* DH2-030	30	38.6	5	7	33	5.3
* DH2-032	32	40.6	5	7	35	5.3
* DH2-040	40	48.6	5	7	43	5.3
* DH2-050	50	58.6	5	7	53	5.3
* DH2-055	55	63.6	5	7	58	5.3
* DH2-060	60	68.6	5	7	63	5.3
* DH2-063	63	71.6	5	7	66	5.3
* DH2-065	65	73.6	5	7	68	5.3

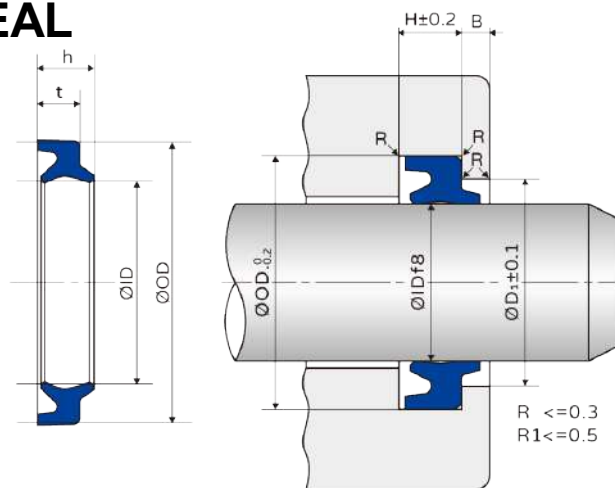
DH2 WIPER SEAL



APPLICATION	
MATERIAL	PU
TEMP.	-35°C~100°C
SPEED	1 m/s

ITEM	ID	OD	t	h	D1	H
* DH2-045	45	53	4.7	7.2		
* DH2-022	22	31	3.7	7.6		
DH2-036	36	44	5	8		
DH2-070	70	80	6	8	75	7
DH2-071	71	81	6	8	76	7
DH2-075	75	85	6	8	80	7
DH2-080	80	90	6	8	85	7
DH2-085	85	95	6	8	90	7
DH2-090	90	100	6	8	95	7
* DH2-090	90	110	6	8	95	7
* DH2-095	95	105	6	8	100	7
DH2-098	98	108	6	8	103	7
DH2-100	100	110	6	8	105	7
* DH2-105	105	115	6	8	110	7
* DH2-110	110	120	6	8	115	7
DH2-112	112	122	6	8	117	7
* DH2-020	20	28.6	5.3	8.3	23	5.3
* DH2-022	22	30.6	5.3	8.3	25	5.3
* DH2-024	24	32.6	5.3	8.3	27	5.3
* DH2-025	25	33.6	5.3	8.3	28	5.3
* DH2-028	28	36.6	5.3	8.3	31	5.3
* DH2-035	35	43.6	5.3	8.3	38	5.3
* DH2-036	36	44.6	5.3	8.3	39	5.3
* DH2-045	45	53.6	5.3	8.3	48	5.3
* DH2-056	56	64.6	5.3	8.3	59	5.3
* DH2-070	70	78.6	5.3	8.3	73	5.3
* DH2-075	75	83.6	5.3	8.3	78	5.3
* DH2-080	80	88.6	5.3	8.3	83	5.3
DH2-105	105	115	5	8.5		
DH2-125	125	138	7	9.5	132	8
DH2-130	130	143	7	9.5		
DH2-136	136	149	7	9.5	143	8
DH2-140	140	153	7	9.5	147	8
DH2-145	145	158	7	9.5	152	8
DH2-150	150	163	7	9.5	157	8
* DH2-160	160	173	7	9.5	167	8
DH2-160	160	174	7	9.5	167	8

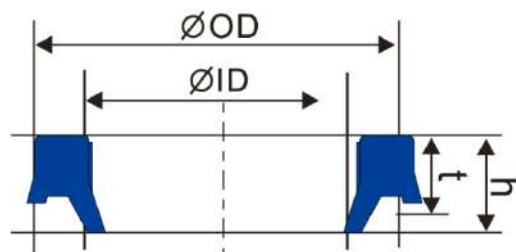
DH2 WIPER SEAL



APPLICATION	
MATERIAL	PU
TEMP.	-35°C~100°C
SPEED	1 m/s

ITEM	ID	OD	t	h	D1	H
DH2-165	165	179	7	9.5	172	8
* DH2-180	180	193	7	9.5	187	8
DH2-180	180	194	7	9.5	187	8
* DH2-185	185	198	7	9.5	192	8
* DH2-200	200	213	7	9.5	207	8
DH2-200	200	214	7	9.5	207	8
DH2-204	204	218	7	9.5	211	8
* DH2-210	210	223	7	9.5	217	8
DH2-230	230	244	7	9.5	237	8
* DH2-110	110	125	7.5	9.5	114	8.5
* DH2-120	120	135	7.5	9.5	124	8.5
* DH2-125	125	140	7.5	9.5	129	8.5
* DH2-140	140	155	7.5	9.5	144	8.5
* DH2-160	160	175	7.5	9.5	164	8.5
* DH2-058	58	68	6	9.7	61	6
* DH2-078	78	88	6	9.7	81	6
* DH2-085	85	97.2	7.1	11	91	7.1
* DH2-090	90	102.2	7.1	11	96	7.1
* DH2-100	100	112.2	7.1	11	106	7.1
* DH2-110	110	122.2	7.1	11	116.6	7.1
* DH2-250	250	265	9	11.5	258	10
* DH2-150	150	165	8.5	13	154	8.5
* DH2-180	180	195	8.5	13	184	8.5
* DH2-315	315	330	9	14		

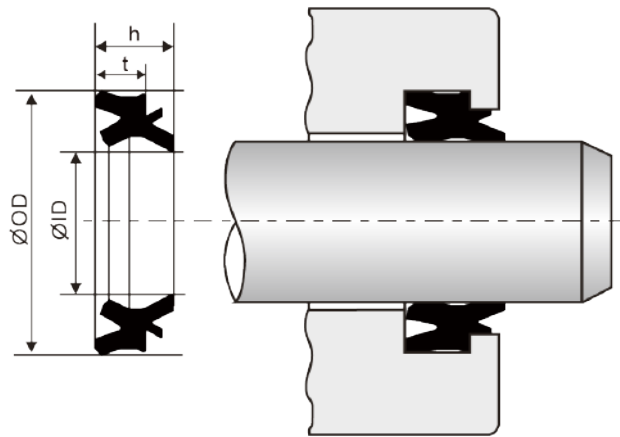
LPI WIPER SEAL



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

ITEM	ID	OD	t	h
LPI-060	60	70.6	5.5	7.5
LPI-078	78	88.6	5.5	7.5
LPI-099	99	109.6	5.5	7.5
LPI-120	120	130.6	5.5	7.5
LPI-141	141	151.6	5.5	7.5
LPI-162	162	172.6	5.5	7.5
LPI-183	183	193.6	5.5	7.5
LPI-207	207	217.6	5.5	7.5
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-050	50	63	7	9.5
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-180	180	193	7	9.5
LPI-190	190	203	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
LPI-125	125	140	8.5	13
LPI-220	220	240	11.3	17.5

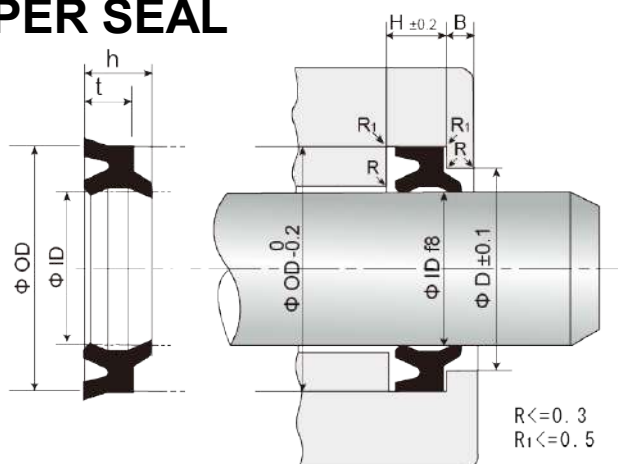
LBR WIPER RINGS SEAL



APPLICATION	
MATERIAL	PU
TEMP.	-45°C~100°C
SPEED	0.5m/s

ITEM	ID	OD	t	h
LBR-091	91	101	6	9
LBR-110	110	120	6	9
LBR-130	130	140	6	9
LBR-150	150	160	6	9
LBR-170	170	181	6.5	10
LBR-192	192	203	6.5	10

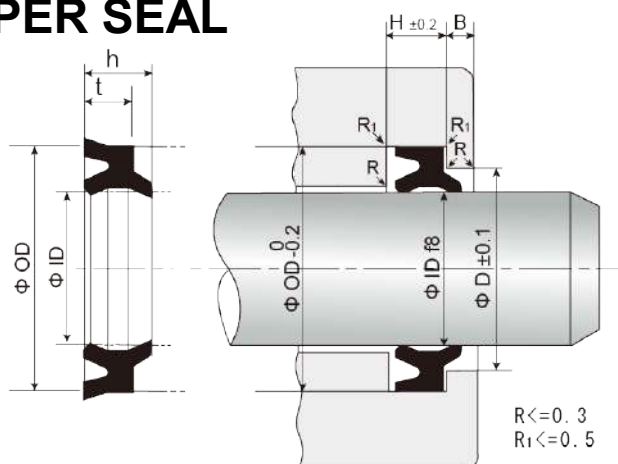
LBN2 WIPER SEAL



APPLICATION		
MATERIAL	NBR	FKM
TEMP.	-35°C~100°C	-35°C~160°C
SPEED	1m/s	1m/s

ITEM	ID	OD	t	h	H	D1	B
LBN2-010	10	16	3.7	5.5			
LBN2-010	10	17	5	6.5	6	14	2
LBN2-012	12	20	3.6	5.35			
LBN2-012	12	20	4.5	6	5	16.3	2
LBN2-012.5	12.5	20.5	4.5	6	5	16.8	2
LBN2-013	13	20	5	6.5			
LBN2-014	14	22	4.5	6	5	18.3	2
LBN2-015	15	19	4.8	5.8			
LBN2-015	15	20	4.8	5.5			
LBN2-016	16	24	4.5	6	5	20.3	2
LBN2-018	18	26	4.5	6	5	22.3	2
LBN2-020	20	28	4.5	6	5	24.3	2
LBN2-022	22	30	4.5	6	5	26.3	2
LBN2-022.4	22.4	30.4	4.5	6	5	26.7	2
LBN2-025	25	33	4.5	6	5	29.3	2
LBN2-028	28	36	4.5	6	5	32.3	2
LBN2-030	30	38	5	6.5	6	34	2
LBN2-031.5	31.5	39.5	5	6.5	6	35.5	2
LBN2-032	32	40	5	6.5	6	36	2
LBN2-035	35	43	5	6.5	6	39	2
LBN2-035.5	35.5	43.5	5	6.5	6	39.5	2
LBN2-036	36	44	5	6.5	6	40	2
LBN2-038	38	46	5	6.5	6	42	2
LBN2-040	40	48	5	6.5	6	44	2
LBN2-045	45	53	5	6.5	6	49	2
LBN2-050	50	58	5	6.5	6	54	2
LBN2-053	53	61	5	6.5	6	57	2
LBN2-055	55	63	5	6.5	6	59	2
LBN2-056	56	64	5	6.5	6	60	2
LBN2-058	58	66	5	6.5	6	62	2
LBN2-060	60	68	5	6.5	6	64	2
LBN2-063	63	71	5	6.5	6	67	2
LBN2-065	65	73	5	6.5	6	69	2
LBN2-067	67	75	5	6.5	6	71	2
LBN2-070	70	80	6	8	7	75	3

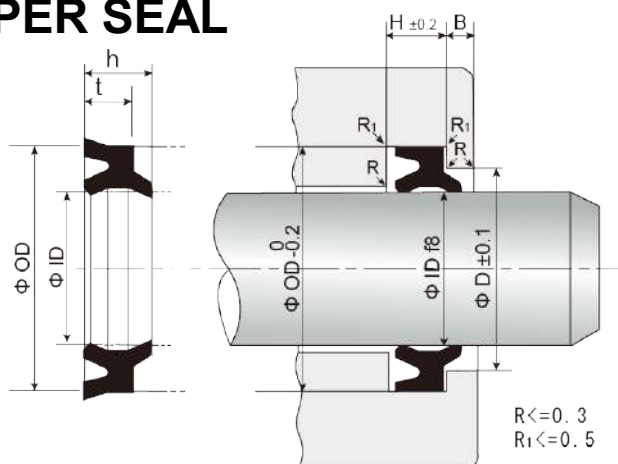
LBN2 WIPER SEAL



APPLICATION		
MATERIAL	NBR	FKM
TEMP.	-35°C~100°C	-35°C~160°C
SPEED	1m/s	1m/s

ITEM	ID	OD	t	h	H	D1	B
LBN2-071	71	81	6	8	7	76	3
LBN2-075	75	85	6	8	7	80	3
LBN2-080	80	90	6	8	7	85	3
LBN2-085	85	95	6	8	7	90	3
LBN2-090	90	100	6	8	7	95	3
LBN2-095	95	105	6	8	7	100	3
LBN2-100	100	110	6	8	7	105	3
LBN2-105	105	115	6	8	7	110	3
LBN2-106	106	116	6	8	7	111	3
LBN2-110	110	120	6	8	7	115	3
LBN2-112	112	122	6	8	7	117	3
* LBN2-112	112	138	7	9.5			
LBN2-115	115	125	6	8	7	120	3
LBN2-118	118	128	6	8	7	123	3
LBN2-120	120	130	6	8	7	125	3
* LBN2-120	120	130	7	9.5			
* LBN2-120A	120	133	7	9.5	8	127	3
LBN2-125	125	138	7	9.5	8	132	3
LBN2-130	130	143	7	9.5	8	137	3
LBN2-132	132	145	7	9.5	8	139	3
LBN2-140	140	153	7	9.5	8	147	3
LBN2-145	145	158	7	9.5	8	152	3
LBN2-150	150	163	7	9.5	8	157	3
LBN2-155	155	167	7	9.5			
* LBN2-155A	155	168	7	9.5	8	162	3
LBN2-160	160	173	7	9.5	8	167	3
LBN2-160A	160	174	7	9.5	8	167	3
LBN2-165	165	178	7	9.5	8	172	3
LBN2-170A	170	185	7	9.5	12	174	3
LBN2-175	175	188	7	9.5	8	182	3
LBN2-180	180	193	7	9.5	8	187	3
LBN2-180A	180	194	7	9.5	8	187	3
LBN2-190	190	200	7	9.5	8	187	3
LBN2-190A	190	203	7	9.5	8	197	3
LBN2-200	200	213	7	9.5	8	207	3

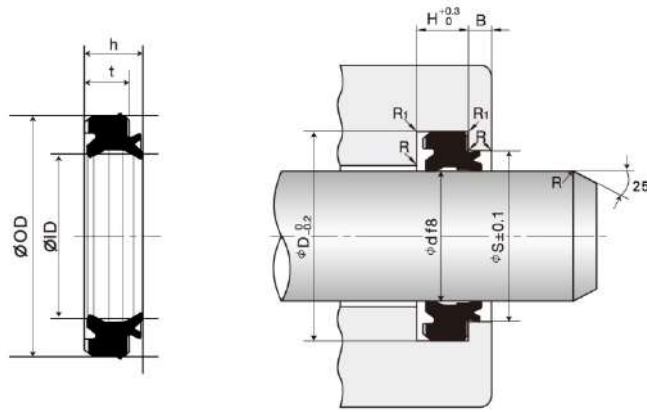
LBN2 WIPER SEAL



APPLICATION		
MATERIAL	NBR	FKM
TEMP.	-35°C~100°C	-35°C~160°C
SPEED	1m/s	1m/s

ITEM	ID	OD	t	h	H	D1	B
LBN2-200	200	214	7	9.5	8		
LBN2-205	205	218	7	9.5	8	212	3
LBN2-210	210	223	7	9.5	8	217	3
LBN2-212	212	226	7	9.5			
* LBN2-220	220	233	7	9.5	8		
LBN2-224	224	237	7	9.5	8	231	3
LBN2-225	225	238	7	9.5	8	232	3
* LBN2-230	230	243	7	9.5	8	237	3
LBN2-240	240	256	10	13	11	248	4
LBN2-250A	250	266	9	12	10	258	4
* LBN2-250	250	266	10	13	11	258	4
LBN2-280A	280	296	9	12	10	288	4
LBN2-290	290	306	10	13	11	298	4
LBN2-300	300	316	9	12			
* LBN2-310	310	330	10	14			
* LBN2-310	310	340	10	14			
LBN2-315	315	331	10	13	11	323	4
* LBN2-320	320	336	10	14			
* LBN2-320	320	340	10	14			
LBN2-330	330	350	10	14			
LBN2-340	340	360	10	14			
LBN2-350	350	370	10	13			
* LBN2-355	355	371	10	13	11	363	4
LBN2-355A	355	375	10	14	11	365	5
* LBN2-355	355	387	24	26			
* LBN2-360	360	380	10	14			
* LBN2-380	380	400	10	14			
* LBN2-390	390	410	10	14			
LBN2-400	400	416	10	13	11	408	4
* LBN2-400	400	420	10	14			
LBN2-500	500	520	11.5	15.5	12.5	510	5
(inch)							
LBN2-0.6	0.6	0.825	0.185	0.215			

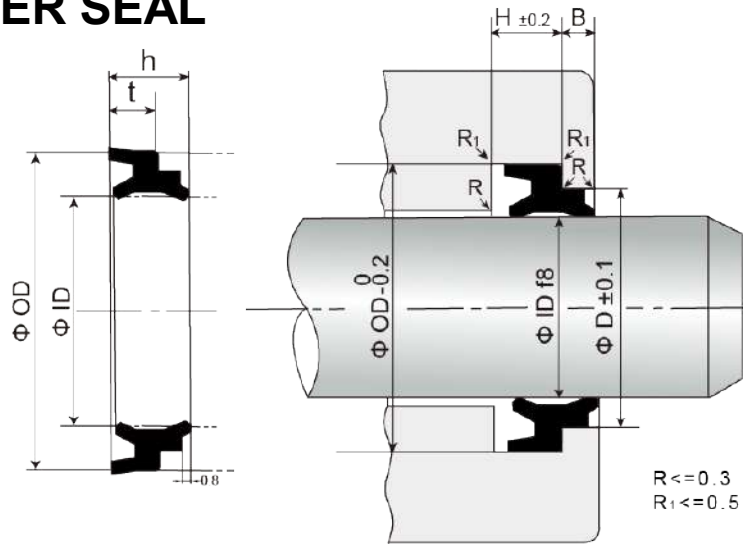
DC2 WIPER SEAL



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

ITEM	ID	OD	t	h	D1	H	B
DC2-018	18	30	5.8	7.7	24	6	3
DC2-020	20	32	5.8	7.7	26	6	2.5
DC2-025	25	37	5.8	7.7	31	6	2.5
DC2-028	28	40	5.8	7.7	34	6	2.5
DC2-030	30	42	5.8	7.7	36	6	2.5
DC2-035	35	47	6.8	8.7	41	7	2.5
DC2-040	40	52	6.8	8.7	46	7	2.5
DC2-045	45	57	6.8	8.7	51	7	2.5
DC2-050	50	62	6.8	8.7	56	7	3
DC2-055	55	69	7.7	10	62	8	3
DC2-060	60	74	7.7	10	67	8	3
DC2-065	65	79	7.7	10	72	8	3
DC2-070	70	84	7.7	10	77	8	3
DC2-075	75	89	7.7	10	82	8	3
DC2-080	80	94	7.7	10	87	8	3
DC2-085	85	99	7.7	10	92	8	3
DC2-090	90	104	7.7	10	97	8	3
DC2-095	95	109	7.7	10	102	8	3
DC2-100	100	114	7.7	10	107	8	3
DC2-105	105	121	8.7	12	113	9	4
DC2-110	110	126	8.7	12	118	9	4
DC2-115	115	131	8.7	12	123	9	4
DC2-120	120	136	8.7	12	128	9	4
DC2-120	125	141	8.7	12	133	9	4

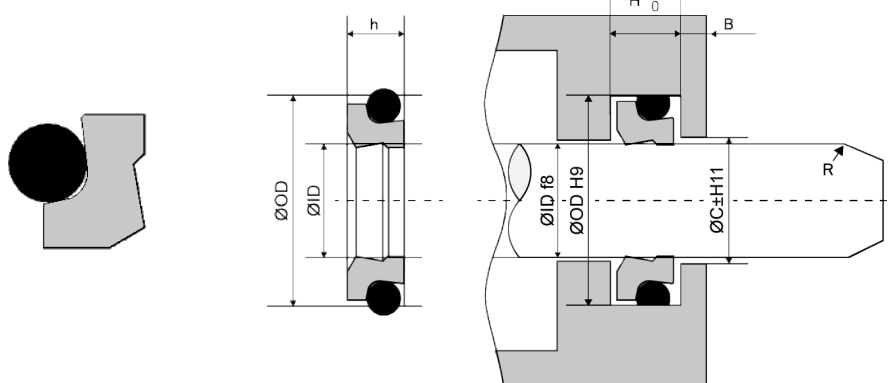
LW3 WIPER SEAL



APPLICATION	
MATERIAL	NBR
TEMP.	-30°C~110°C
SPEED	1m/s

ITEM	ID	OD	h	D1	H	B
LW3-012	12	20	8	15.5	6	2
LW3-016	16	24	8	19.5	6	2
LW3-018	18	26	8	21.5	6	2
LW3-020	20	28	8	23.5	6	2
LW3-022	22	30	8	25.5	6	2
LW3-025	25	33	8	28.5	6	2
LW3-028	28	36	8	31.5	6	2
LW3-030	30	38	8	33.5	6	2
LW3-032	32	40	8	35.5	6	2
LW3-035	35	43	8	38.5	6	2
LW3-036	36	44	8	39.5	6	2
LW3-038	38	46	8	41.5	6	2
LW3-040	40	48	8	43.5	6	2
LW3-045	45	53	8	48.5	6	2
LW3-050	50	58	8	53.5	6	2
LW3-055	55	63	8	58.5	6	2
LW3-056	56	64	8	59.5	6	2
LW3-063	63	71	8	66.5	6	2
* LW3-065	65	73	8	68.5	6	2
LW3-070	70	78	8	73.5	6	2
LW3-075	75	83	8	78.5	6	2
LW3-080	80	88	8	83.5	6	2
LW3-085	85	93	8	88.5	6	2
LW3-090	90	98	8	93.5	6	2
LW3-110	110	122	11	115	8.2	3
* LW3-120	120	132	11	125	8.2	3
LW3-125	125	137	11	130	8.2	3
LW3-135	135	147	11	140	8.2	3
* LW3-140	140	152	11	145	8.2	3
* LW3-160	160	172	11	165	8.2	3
* LW3-180	180	192	11	185	8.2	3
* LW3-200	200	212	11	205	8.2	3
* LW3-290	290	305	13	297	9.5	3

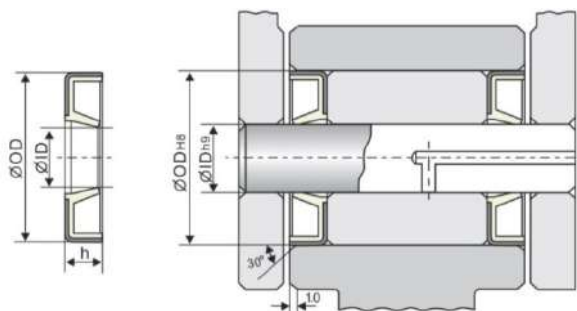
WR13 WIPER SEAL



APPLICATION	
MATERIAL	PTFE + NBR
TEMP.	-30°C~100°C
SPEED	4m/s

ITEM	ID	OD	h	H	C	B
WR13-035	35	42.6	3.9	4.2	36.5	2
* WR13-016	16	22.8	4.7	5		2
* WR13-018	18	24.8	4.7	5		2
WR13-020	20	26.8	4.7	5		2
WR13-022	22	28.8	4.7	5		2
WR13-025	25	31.8	4.7	5	26.5	2
* WR13-025	25	33	4.7	5	26.5	
WR13-028	28	34.8	4.7	5	29.5	2
* WR13-030	30	36.8	4.7	5		2
WR13-030	30	38	4.7	5	31.5	
WR13-035	35	41.8	4.7	5		2
WR13-036	36	42.8	4.7	5		2
WR13-040	40	46.8	4.7	5		2
WR13-045	45	51.8	4.7	5		2
WR13-050	50	56.8	4.7	5		2
* WR13-050	50	58	4.7	5	51.5	
* WR13-055	55	61.8	4.7	5		2
WR13-056	56	62.8	4.7	5		2
* WR13-060	60	66.8	4.7	5		2
* WR13-063	63	69.8	4.7	5		2
* WR13-065	65	71.8	4.7	5		2
* WR13-080	80	90	5.7	6	81.5	3
WR13-100	100	108.8	5.7	6	101.5	3
WR13-110	110	118.8	5.7	6		
WR13-120	120	128.8	5.7	6		
* WR13-120	120	130	5.7	6	121.5	
WR13-130	130	138.8	5.7	6		
WR13-140	140	148.8	5.7	6		
WR13-065	65	73.8	6	6.3	66.5	
* WR13-070	70	78.8	6	6.3	71.5	3
* WR13-075	75	83.8	6	6.3	76.5	3
* WR13-080	80	88.8	6	6.3	81.5	3
* WR13-085	85	93.8	6	6.3	86.5	3
* WR13-090	90	98.8	6	6.3	91.5	3
* WR13-100	100	108.8	6	6.3	101.5	3
* WR13-125	125	133.8	6	6.3	126.5	3
WR13-140	140	148.8	6	6.3	141.5	3
WR13-080	80	90	6.7	7	81.5	
* WR13-075	75	87.2	7.8	8.1	76.5	
* WR13-080	80	92.2	7.8	8.1	82	4
* WR13-090	90	102.2	7.8	8.1	92	4
WR13-220	220	236	9.2	9.5	222.5	5

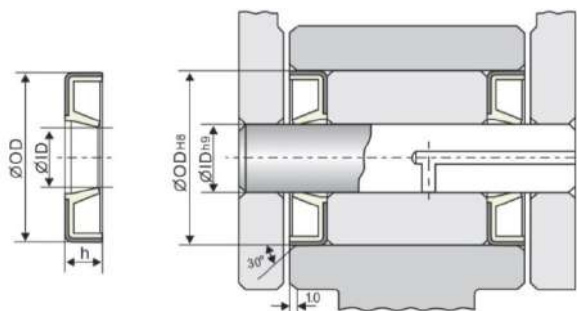
DL2 PIN WIPER SEAL



APPLICATION	
MATERIAL	PU+STEEL
TEMP.	-40°C~100°C

ITEM	ID	OD	H
DL2-025	25	33	4.2
DL2-030	30	38	4.2
DL2-030	30	40	4.2
DL2-030	30	45	4.2
DL2-040	40	48	4.2
DL2-050	50	60	4.2
DL2-040	40	50	4
DL2-045	45	55	4
DL2-050	50	63	4
* DL2-080	80	95	4
DL2-120	120	135	4
DL2-050	50	60	4.2
DL2-055	55	65	4.2
DL2-055	55	68	4.2
DL2-050	50	60	4.5
DL2-060	60	75	4.5
DL2-070	70	85	4.5
* DL2-080	80	90	4.5
* DL2-090	90	100	4.5
* DL2-100	100	110	4.5
* DL2-045	45	62	5
* DL2-045	45	65	5
* DL2-050	50	60	5
DL2-050	50	65	5
DL2-055	55	70	5
DL2-060	60	75	5
DL2-065	65	80	5
DL2-070	70	85	5
DL2-070	70	90	5
DL2-071	71	86	5
DL2-075	75	90	5
DL2-080	80	90	5
DL2-080	80	95	5
* DL2-085	85	95	5
DL2-085	85	100	5
DL2-090	90	105	5
DL2-100	100	115	5
* DL2-105	105	120	5
* DL2-110	110	125	5
* DL2-115	115	125	5
* DL2-120	120	135	5
DL2-045	45	55	6
DL2-050	50	60	6

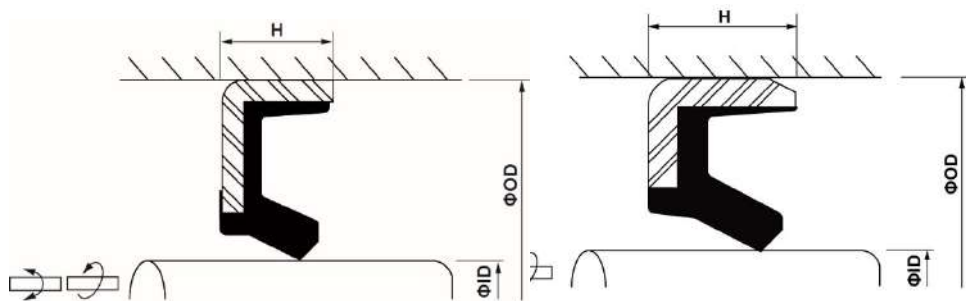
DL2 PIN WIPER SEAL



APPLICATION	
MATERIAL	PU+STEEL
TEMP.	-40°C~100°C

ITEM	ID	OD	H
DL2-055	55	68	6
* DL2-060	60	75	6
* DL2-065	65	80	6
* DL2-070	70	85	6
DL2-080	80	95	6
DL2-085	85	100	6
* DL2-090	90	100	6
DL2-090	90	105	6
DL2-095	95	110	6
DL2-100	100	115	6
DL2-115	115	135	6
* DL2-080	80	95	7
DL2 100	100	115	7
DL2-110	110	125	7
DL2-050	50	65	8
* DL2-050	50	72	8
DL2-060	60	75	8
* DL2-065	65	80	8
DL2-070	70	85	8
DL2-075	75	90	8
DL2-080	80	95	8
DL2-085	85	100	8
DL2-090	90	105	8
DL2-090	90	106	8
DL2-090	90	110	8
DL2-095	95	110	8
DL2 100	100	115	8
* DL2-100	100	116	8
DL2-110	110	125	8
* DL2-110	110	130	8
DL2-120	120	135	8
* DL2-120	120	140	8
DL2-125	125	140	8
DL2-140	140	155	8
DL2-100	100	115	9
DL2-110	110	125	9
DL2-090	90	110	10
DL2-110	110	130	10
DL2-120	120	140	10

DWP PIN DUST SEAL



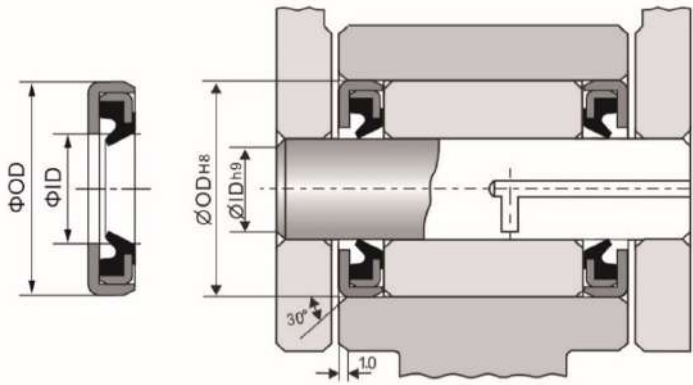
APPLICATION	
MATERIAL	NBR+STEEL
TEMP.	-40°C~100°C
SPEED	1m/s

DWP

DWP-VB

ITEM	ID	OD	H
DWP-038	38	48	4
DWP-038	38	50	4
DWP-055	55	68	4
DWP-060	60	70	4
DWP-055	55	70	5
DWP-060	60	70	5
DWP-060	60	75	5
DWP-065	65	80	5
DWP-070	70	85	5
DWP-071	71	86	5
DWP-080	80	95	5
DWP-090	90	105	6
DWP-100	100	115	7
DWP-110	110	125	8
DWP-120	120	135	8
DWP-250	250	280	12
DWP(VB)-033	33	45	5
* DWP(VB)-035	35	45	4
DWP(VB)-040	40	52	5
DWP(VB)-045	45	52	7
* DWP(VB)-045	45	55	4.2
DWP(VB)-045	45	55	7
DWP(VB)-050	50	60	7
DWP(VB)-060	60	70	7
DWP(VB)-063	63	75	7
* DWP(VB)-065	65	80	4
DWP(VB)-075	75	96	10
DWP(VB)-080	80	90	5
DWP(VB)-085	85	95	5
DWP(VB)-090	90	100	5
DWP(VB)-090	90	110	8
DWP(VB)-095	95	115	12
DWP(VB)-110	110	130	10
DWP(VB)-115	115	135	6
DWP(VB)-125	125	140	7
DWP(VB)-155	155	170	7

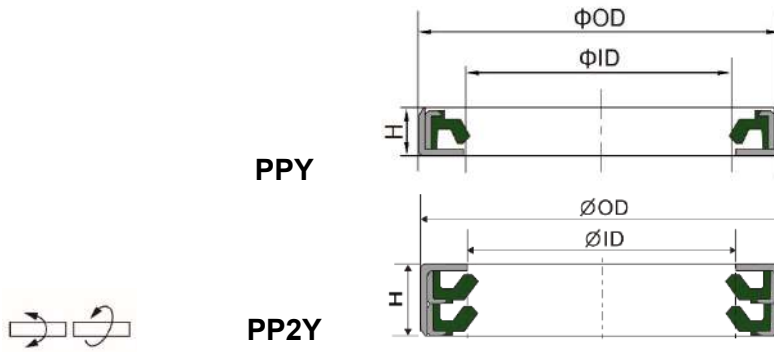
VAY PIN DUST SEAL



APPLICATION	
MATERIAL	NBR+STEEL
TEMP.	-30°C~80°C

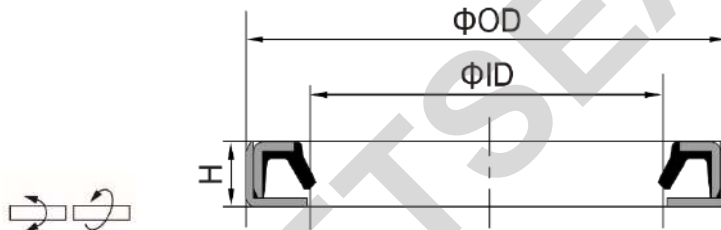
ITEM	ID	OD	h	PART NO.
VAY-035	35	42	2	
VAY-025	25	35	4	07145-00025
VAY-030	30	40	4	07145-00030
VAY-035	35	45	4	07145-00035
VAY-040	40	50	4	07145-00040
VAY-045	45	55	4	07145-00045
VAY-050	50	60	4	07145-00050
VAY-055	55	65	4	
VAY-055	55	68	4	07145-00055
VAY-060	60	75	4	07145-00060
VAY-065	65	80	4	07145-00065
VAY-070	70	85	4	07145-00070
VAY-075	75	90	4	07145-00075
VAY-080	80	95	4	07154-00080
VAY-085	85	100	4	07145-00085
VAY-090	90	105	4	07145-00090
VAY-095	95	110	4	07145-00095
VAY-100	100	115	4	07145-00100
VAY-110	110	125	4	07145-00110
VAY-110	110	130	4	2445R138D10
VAY-120	120	135	4	07145-00120
VAY-120	120	140	4	2445R138D13
VAY-125	125	140	4	07145-00125

PPY/PP2Y PIN DUST SEAL



APPLICATION	
MATERIAL	PU+STEEL
TEMP.	-45°C~100°C
COLOR	Dark Green

ITEM	ID	OD	H	PART NO.
* PPY-050	50	65	6	
PPY-060	60	75	7.5	203-70-33210
PPY-065	65	80	7.5	203-70-44230
PPY-070	70	85	7.5	21K-70-12180
PPY-080	80	95	7.5	205-70-62140
PPY-090	90	105	7.5	207-70-72120
PP2Y-050	50	65	10.5	KHV0270
PP2Y-065	65	80	10.5	KHV0202
PP2Y-080	80	95	10.5	205-70-62150
PP2Y-090	90	105	10.5	207-70-12270



APPLICATION	
MATERIAL	NBR+STEEL
TEMP.	-30°C~80°C
COLOR	Black

ITEM	ID	OD	H	PART NO.
PPY-090	90	105	8	
PPY-070	70	85	8	20Y-70-23220
PPY-080	80	95	8	205-70-62140
PPY-090	90	105	8	20Y-70-23230
PPY-090	90	105	8	205-70-62180

BUCKET O RING



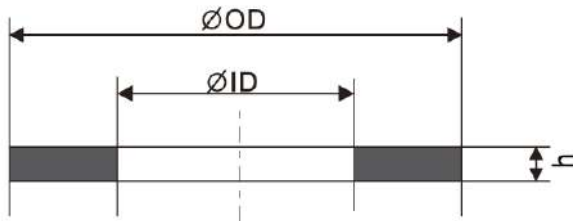
BRAND	MODEL	PART NO.
CAT	304CR	146-2932
	307C	093-1341
	312/313	093-1342/ 3678465
	320/SK200	093-1344(2445Z1136)/3678467
	330	093-1345/ 3678468
	345,etc	093-1349
Hitachi	EX100-1	4152726
	EX200/ZX200	4089028(207-70-33181)
	EX300/2/3/5, EX350/350-5, ZX330/350, ZX330-3/350-3	4100180
	EX40/VIO30	4094085 · 4237801共通
	EX60-5	4391692
	EX120/ZX120/SK120	4276696
	EX35U, EX36UE, ZAXIS35U, ZAXIS50U, ZAXIS35U-2	4275533
	EX35U, EX36UE, ZAXIS35U, ZAXIS50U, ZAXIS35U-2	4291436
	ZX450, etc (with bolt & nut)	4487682
	EX1200-5,ZAXIS800 (with bolt & nut)	4487585
Kobelco	SK20SR	PM61B01119P1
	SK30SR-5	PW61B01074P1
	SK40	PH61B01044P1
	SK60	2445Z912
	SK100	2445Z887
	SK120/EX120/ZX120	2445Z869
	SK200/320	2445Z1136(093-1344)
Komatsu	PC30	140-30-16220
	PC40/VIO30	141-30-36290
	PC60-6	175-30-16210
	PC120-6	203-70-44470
	PC200-6	205-70-73280
	PC300-8	207-70-33181(4089028)
	PC450/450, etc	208-70-33181
	WA500 (with bolt & nut)	425-70-11170
Kubota	U-30	RC411-66850
	U-40/U-50	RD411-66890
	U-20	68721-66850
	RX306	68761-66850

BUCKET O RING



BRAND	MODEL	PART NO.
Sumitomo	SH120	KHV0113
	SH120-3	KHV0112
	SH125/125-X3	KHV0111
	SH125/125-X3	KHV0114
	SH125/125-X3	KHV0115
	SH75, etc	KHV0035
	SH200-5, etc	KHV0117
Yanmar	VIO30/VIO40-1	172142-81620
	VIO40-2	172125-81280
	B7	172162-82360
	VIO20, etc	172171-81270
Volvo	EC210 (with bolt & nut)	VOE14880692
	EC210	VOE14880692
	EC460	SA9524-00146
	EC290	VOE14880693
	EC460	SA9524-00200/14880695
JOHN DEERE	160DLC, 690DLC, 690ELC, 200LC, 180GLC, 200DLC, 225CLC, 225DLC, 790DLC, 790ELC, 230LC, 230CLC, 240DLC, 250GLC, 792DLC, 270LC, 290GLC	4089028
	450CLC, 450DLC, 470GLC (with bolt & nut)	4487682

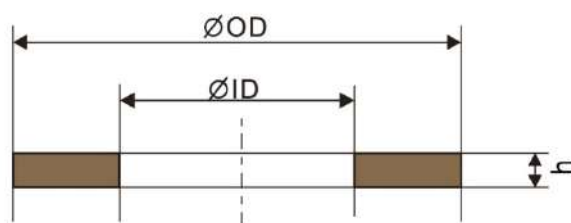
ROD SEAL BACKUP RING



APPLICATION		
MATERIAL	NY	POK
TEMP.	-55°C~120°C	-30~120°C

ITEM	ID	OD	h	ITEM	ID	OD	h
BT-040	40	50	3	BT-075	75	95	3
BT-040	40	55	3	BT-080	80	90	3
BT-045	45	55	3	BT-080	80	93	3
BT-045	45	60	3	BT-080	80	95	3
BT-045	45	65	3	BT-080	80	100	3
BT-050	50	60	3	BT-085	85	100	3
BT-050	50	63	3	BT-085	85	105	3
BT-050	50	65	3	BT-090	90	105	3
BT-050	50	70	3	BT-090	90	110	3
BT-055	55	65	3	BT-095	95	110	3
BT-055	55	68	3	BT-095	95	115	3
BT-055	55	70	3	BT-100	100	110	3
BT-055	55	71	3	BT-100	100	115	3
BT-055	55	75	3	BT-100	100	120	3
BT-055	55	80	3	BT-105	105	120	3
BT-060	60	70	3	BT-105	105	125	3
BT-060	60	73	3	BT-110	110	125	3
BT-060	60	75	3	BT-110	110	130	3
BT-060	60	76	3	BT-115	115	125	3
BT-060	60	80	3	BT-115	115	130	3
BT-063	63	73	3	BT-115	115	135	3
BT-080	64	80	3	BT-120	120	135	3
BT-065	65	73	3	BT-120	120	140	3
BT-065	65	75	3	BT-125	125	140	3
BT-065	65	78	3	BT-125	125	145	3
BT-065	65	80	3	BT-150	125	250	3
BT-065	65	85	3	BT-130	130	145	3
BT-065	65	90	3	BT-130	130	150	3
BT-070	70	80	3	BT-135	135	150	3
BT-070	70	83	3	BT-140	140	160	3
BT-070	70	85	3	BT-145	145	160	3
BT-070	70	90	3	BT-150	150	165	3
BT-075	75	85	3	BT-150	150	170	3
BT-075	75	88	3	BT-155	155	170	3
BT-075	75	90	3	BT-160	160	180	3

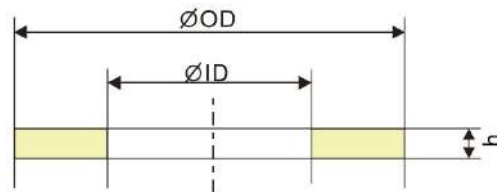
ROD SEAL BACKUP RING



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

ITEM	ID	OD	h	ITEM	ID	OD	h
BRT-57	57	62	1.5	BRT-75	75	90	3
BRT-62	62	67	1.5	BRT-80	80	93	3
BRT-60	60	70	1.9	BRT-80	80	95	3
BRT-30	30	40	2	BRT-80	80	100	3
* BRT-35	35	45	2	BRT-85	85	100	3
* BRT-50	50	60	2	BRT-85	85	105	3
* BRT-80	80	100	2	BRT-90	90	105	3
BRT-45	45	55	2.5	BRT-95	95	110	3
BRT-50	50	60	2.5	BRT-95	95	115	3
BRT-52	52	65	2.5	BRT-100	100	115	3
BRT-57	57	70	2.5	BRT-100	100	120	3
BRT-62	62	75	2.5	BRT-105	105	120	3
BRT-65	65	80	2.5	BRT-105	105	125	3
BRT-40	40	50	3	BRT-110	110	125	3
BRT-40	40	55	3	BRT-110	110	130	3
BRT-45	45	55	3	BRT-115	115	130	3
BRT-45	45	60	3	BRT-120	120	140	3
BRT-50	50	60	3	BRT-125	125	150	3
BRT-50	50	63	3	BRT-130	130	150	3
BRT-50	50	65	3	BRT-140	140	165	3
BRT-55	55	68	3	BRT-160	160	185	3
BRT-55	55	70	3	BRT-295	295	325	3
BRT-55	55	71	3	BRT-65	65	78	3.5
BRT-56	56	66	3	BRT-65	65	80	3.5
BRT-60	60	70	3	BRT-70	70	83	3.5
BRT-60	60	73	3	BRT-70	70	85	3.5
BRT-60	60	75	3	BRT-75	75	88	3.5
BRT-60	60	76	3	BRT-80	80	93	3.5
BRT-65	65	78	3	* BRT-80	80	95	3.5
BRT-65	65	80	3	BRT-85	85	100	3.5
BRT-70	70	80	3	BRT-95	95	110	3.5
BRT-70	70	83	3	BRT-100	100	115	3.5
BRT-70	70	85	3	BRT-71	71	75	3.8
BRT-70	70	90	3	BRT-140	140	160	4
BRT-75	75	88	3	BRT-340	340	370	4

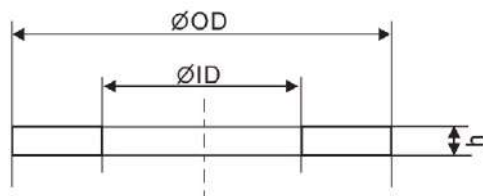
BACKUP RING—POLYURETHANE P,G SERIES(PU)



APPLICATION	
MATERIAL	PU
TEMP.	-35°C~100°C

ITEM	ID	OD	h
PU-P-018	18	22	1.25
PU-P-045	45	51	1.25
PU-P-075	75	85	1.9
PU-P-090	90	100	1.9
PU-P-100	100	110	1.9
PU-P-145	145	155	1.9
PU-P-145	145	160	2.1
PU-P-215	215	230	2.1
PU-P-235	235	250	2.1
PU-P-155	155	170	2.5
PU-P-170	170	185	2.75
PU-G-035	35	40	1.25
PU-G-040	40	45	1.25
PU-G-045	45	50	1.25

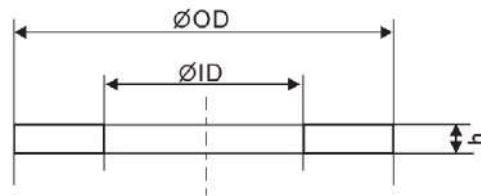
HY-P BACKUP RING



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

ITEM	ID	OD	h	ITEM	ID	OD	h
* HY-P-003	3	6	1.25	HY-P-042	42	48	1.25
* HY-P-004	4	7	1.25	HY-P-044	44	50	1.25
* HY-P-005	5	8	1.25	HY-P-045	45	51	1.25
* HY-P-006	6	9	1.25	* HY-P-046	46	52	1.25
* HY-P-007	7	10	1.25	* HY-P-048	48	54	1.25
* HY-P-008	8	11	1.25	* HY-P-049	49	55	1.25
* HY-P-009	9	12	1.25	HY-P-050	50	56	1.25
HY-P-010	10	13	1.25	* HY-P-100	100	110	1.25
* HY-P-010A	10	14	1.25	HY-P-049	49	55	1.5
* HY-P-011	11	15	1.25	* HY-P-100	100	110	1.5
* HY-P-011.2	11.2	15.2	1.25	HY-P-048A	48	58	1.9
* HY-P-012	12	16	1.25	HY-P-050A	50	60	1.9
* HY-P-012.5	12.5	16.5	1.25	* HY-P-052	52	62	1.9
* HY-P-014	14	18	1.25	HY-P-053	53	63	1.9
HY-P-015	15	19	1.25	HY-P-055	55	65	1.9
* HY-P-016	16	20	1.25	HY-P-056	56	66	1.9
* HY-P-018	18	22	1.25	HY-P-058	58	68	1.9
HY-P-020	20	24	1.25	HY-P-060	60	70	1.9
* HY-P-021	21	25	1.25	HY-P-062	62	72	1.9
* HY-P-022	22	26	1.25	HY-P-063	63	73	1.9
* HY-P-022A	22	28	1.25	HY-P-065	65	75	1.9
* HY-P-022.4	22.4	28.4	1.25	HY-P-067	67	77	1.9
* HY-P-024	24	30	1.25	HY-P-070	70	80	1.9
HY-P-025	25	31	1.25	HY-P-071	71	81	1.9
* HY-P-025.5	25.5	31.5	1.25	HY-P-075	75	85	1.9
* HY-P-026	26	32	1.25	HY-P-078	78	88	1.9
* HY-P-028	28	34	1.25	HY-P-080	80	90	1.9
* HY-P-029	29	35	1.25	HY-P-085	85	95	1.9
* HY-P-029.5	29.5	35.5	1.25	HY-P-090	90	100	1.9
* HY-P-030	30	36	1.25	HY-P-095	95	105	1.9
* HY-P-031	31	37	1.25	HY-P-100	100	110	1.9
* HY-P-031.5	31.5	37.5	1.25	* HY-P-102	102	112	1.9
* HY-P-032	32	38	1.25	HY-P-105	105	115	1.9
* HY-P-034	34	40	1.25	HY-P-110	110	120	1.9
* HY-P-035	35	41	1.25	* HY-P-112	112	122	1.9
* HY-P-035.5	35.5	41.5	1.25	HY-P-115	115	125	1.9
* HY-P-036	36	42	1.25	HY-P-120	120	130	1.9
* HY-P-038	38	44	1.25	HY-P-125	125	135	1.9
* HY-P-039	39	45	1.25	HY-P-130	130	140	1.9
HY-P-040	40	46	1.25	HY-P-131	131	141	1.9
* HY-P-041	41	47	1.25	* HY-P-132	132	142	1.9
* HY-P-134	134	144	1.9	* HY-P-300	300	315	2.1
HY-P-135	135	145	1.9	* HY-P-315	315	330	2.1

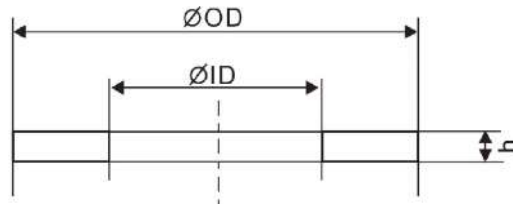
HY-P BACKUP RING



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

ITEM	ID	OD	h	ITEM	ID	OD	h
HY-P-140	140	150	1.9	* HY-P-320	320	335	2.1
* HY-P-144	144	154	1.9	* HY-P-335	335	350	2.1
HY-P-145	145	155	1.9	* HY-P-340	340	355	2.1
HY-P-150	150	160	1.9	* HY-P-355	355	370	2.1
HY-P-152	152	162	1.9	* HY-P-360	360	375	2.1
* HY-P-172	172	182	1.9	* HY-P-375	375	390	2.1
* HY-P-192	192	202	1.9	* HY-P-385	385	400	2.1
HY-P-145A	145	160	2.1	* HY-P-400	400	415	2.1
* HY-P-150A	150	165	2.1	HY-P-110	110	120	2.5
* HY-P-155	155	170	2.1	HY-P-115	115	125	2.5
* HY-P-160	160	175	2.1	HY-P-125	125	135	2.5
* HY-P-165	165	180	2.1	HY-P-155	155	170	2.5
* HY-P-170	170	185	2.1	HY-P-150	150		2.75
* HY-P-175	175	190	2.1	HY-P-160	160	175	2.75
* HY-P-180	180	195	2.1	* HY-P-165	165	180	2.75
* HY-P-185	185	200	2.1	HY-P-170	170	185	2.75
* HY-P-190	190	205	2.1	* HY-P-175	175		2.75
HY-P-195	195	210	2.1	HY-P-180	180	195	2.75
* HY-P-200	200	215	2.1	* HY-P-185	185	200	2.75
* HY-P-205	205	220	2.1	* HY-P-190	190	215	2.75
* HY-P-209	209	224	2.1	* HY-P-195	195	210	2.75
* HY-P-210	210	225	2.1	* HY-P-200	200	215	2.75
* HY-P-215	215	230	2.1	* HY-P-205	205	220	2.75
* HY-P-220	220	235	2.1	* HY-P-209	209	224	2.75
* HY-P-225	225	240	2.1	* HY-P-210	210	225	2.75
* HY-P-230	230	245	2.1	* HY-P-215	215	230	2.75
* HY-P-235	235	250	2.1	* HY-P-220	220	235	2.75
* HY-P-240	240	255	2.1	* HY-P-225	225	240	2.75
* HY-P-245	245	260	2.1	* HY-P-230	230	245	2.75
* HY-P-250	250	265	2.1	* HY-P-235	235	250	2.75
* HY-P-255	255	270	2.1	* HY-P-240	240	255	2.75
* HY-P-260	260	275	2.1	* HY-P-245	245	260	2.75
* HY-P-265	265	280	2.1	* HY-P-255	255	270	2.75
* HY-P-270	270	285	2.1	* HY-P-260	260	275	2.75
* HY-P-275	275	290	2.1	* HY-P-265	265	280	2.75
* HY-P-280	280	295	2.1	* HY-P-270	270	285	2.75
* HY-P-285	285	300	2.1	* HY-P-275	275	290	2.75
* HY-P-290	290	305	2.1	* HY-P-280	280	295	2.75
* HY-P-295	295	310	2.1	* HY-P-285	285	300	2.75
* HY-P-290	290	305	2.75	* HY-P-315	315	330	2.75
* HY-P-295	295	310	2.75	* HY-P-320	320	335	2.75
* HY-P-300	300	315	2.75				

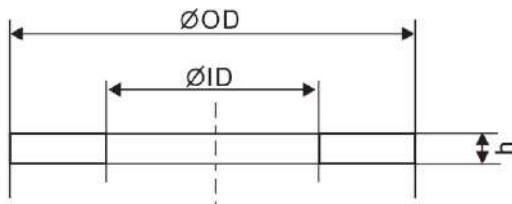
HY-G BACKUP RING



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

ITEM	ID	OD	h	ITEM	ID	OD	h
* HY-G-014	14	18	1.25	HY-G-136	136	141	1.25
HY-G-025	25	30	1.25	HY-G-140	140	145	1.25
HY-G-030	30	35	1.25	HY-G-145	145	150	1.25
HY-G-035	35	40	1.25	* HY-G-146	146	151	1.25
HY-G-038	38	43	1.25	HY-G-045A	45	50	1.5
HY-G-040	40	45	1.25	HY-G-050A	50	55	1.5
HY-G-045	45	50	1.25	HY-G-055A	55	60	1.5
HY-G-050	50	55	1.25	HY-G-060A	60	65	1.5
HY-G-051	51	56	1.25	HY-G-065A	65	70	1.5
HY-G-055	55	60	1.25	HY-G-070A	70	75	1.5
HY-G-056	56	61	1.25	HY-G-075A	75	80	1.5
HY-G-058	58	63	1.25	HY-G-080A	80	85	1.5
HY-G-060	60	65	1.25	HY-G-085A	85	90	1.5
* HY-G-063	63	68	1.25	HY-G-090A	90	95	1.5
HY-G-065	65	70	1.25	HY-G-095A	95	100	1.5
HY-G-066	66	71	1.25	HY-G-100A	100	105	1.5
HY-G-070	70	75	1.25	HY-G-105A	105	110	1.5
HY-G-071	71	76	1.25	HY-G-106	106	111	1.5
HY-G-075	75	80	1.25	HY-G-110A	110	115	1.5
HY-G-076	76	81	1.25	HY-G-115A	115	120	1.5
HY-G-080	80	85	1.25	HY-G-120A	120	125	1.5
HY-G-081	81	86	1.25	HY-G-125A	125	130	1.5
HY-G-085	85	90	1.25	HY-G-126A	126	131	1.5
HY-G-086	86	91	1.25	HY-G-130A	130	135	1.5
* HY-G-087	87	92	1.25	HY-G-135A	135	140	1.5
HY-G-090	90	95	1.25	HY-G-140A	140	145	1.5
HY-G-091	91	96	1.25	HY-G-145A	145	150	1.5
HY-G-095	95	100	1.25	HY-G-155A	155	165	1.5
HY-G-096	96	101	1.25	HY-G-160A	160	170	1.5
HY-G-100	100	105	1.25	HY-G-080	80	85	1.9
HY-G-105	105	110	1.25	HY-G-085	85	90	1.9
HY-G-106	106	111	1.25	HY-G-090	90	95	1.9
HY-G-108	108	113	1.25	HY-G-095	95	100	1.9
HY-G-110	110	115	1.25	HY-G-110	110	115	1.9
HY-G-115	115	120	1.25	* HY-G-150	150	160	1.9
HY-G-116	116	121	1.25	HY-G-155	155	165	1.9
HY-G-120	120	125	1.25	HY-G-160	160	170	1.9
HY-G-125	125	130	1.25	HY-G-165	165	175	1.9
HY-G-126	126	131	1.25	HY-G-170	170	180	1.9
HY-G-128	128	133	1.25	HY-G-175	175	185	1.9
HY-G-130	130	135	1.25	HY-G-180	180	190	1.9
HY-G-135	135	140	1.25	HY-G-185	185	195	1.9

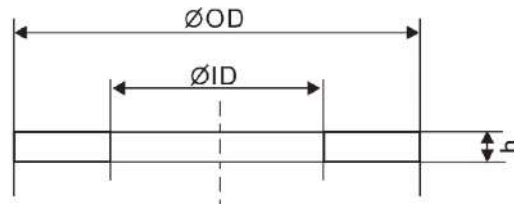
HY-G BACKUP RING



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

ITEM	ID	OD	h	ITEM	ID	OD	h
HY-G-190	190	200	1.9	HY-G-161	161	170.56	1.95
HY-G-195	195	205	1.9	* HY-G-155A	155	165	2.5
HY-G-200	200	210	1.9	HY-G-160A	160	170	2.5
HY-G-210	210	220	1.9	* HY-G-170A	170	180	2.5
HY-G-220	220	230	1.9	HY-G-180A	180	190	2.5
* HY-G-230	230	240	1.9	* HY-G-190A	190	200	2.5
* HY-G-240	240	250	1.9	HY-G-205A	205	215	2.5
HY-G-250	250	260	1.9	* HY-G-215A	215	225	2.5
* HY-G-260	260	270	1.9	* HY-G-220A	220	230	2.5
* HY-G-270	270	280	1.9	* HY-G-230A	230	240	2.5
* HY-G-280	280	290	1.9	* HY-G-240A	240	250	2.5
* HY-G-290	290	300	1.9	* HY-G-250A	250	260	2.5
* HY-G-300	300	310	1.9	* HY-G-270A	270	280	2.5

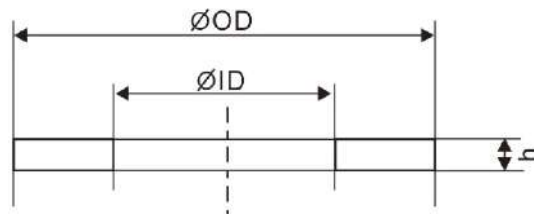
HY BACKUP RING



APPLICATION	
MATERIAL	HY
TEMP.	-35°C~80°C

ITEM	ID	OD	h	ITEM	ID	OD	h
* HY-025	25	33	1	HY-050	50	60	2
HY-252.66	252.66	258.46	1.09	HY-050	50	63	2
HY-017.5	17.5	19.9	1.16	HY-050	50	65	2
HY-021.1	21.1	24.9	1.16	HY-053	53	63	2
HY-017.3	17.3	19.7	1.2	HY-055	55	70	2
HY-020.7	20.7	24.5	1.2	HY-060	60	70	2
HY-022	22	30	1.25	* HY-065	65	75	2
HY-025	25	33	1.25	HY-065	65	80	2
HY-030	30	40	1.5	HY-070	70	80	2
HY-030	30	45	1.5	HY-075	75	90	2
HY-030.2	30.2	42.7	1.5	* HY-075	75	95	2
HY-035	35	45	1.5	HY-080	80	90	2
HY-036	36	44	1.5	HY-080	80	95	2
HY-040	40	50	1.5	HY-085	85	100	2
HY-042	42	52	1.5	HY-090	90	105	2
HY-050	50	60	1.5	HY-100	100	115	2
HY-070	70	80	1.5	HY-225.5	225.5	240.5	2.1
HY-080	80	90	1.5	HY-040	40	50	2.5
HY-014	14	22	2	HY-045	45	55	2.5
HY-016	16	24	2	HY-060	60	70	2.5
HY-020	20	28	2	HY-065	65	75	2.5
HY-022	22	30	2	HY-070	70	80	2.5
HY-025	25	33	2	HY-072	72	85	2.5
HY-025	25	35	2	HY-082	82	95	2.5
HY-030	30	40	2	HY-025	25	33	3
HY-030	30	45	2	HY-030	30	40	3
HY-032	32	42	2	HY-030	30	43	3
HY-032	32	48	2	HY-032	32	48	3
HY-035	35	45	2	HY-035	35	45	3
HY-038	38	48	2	HY-037	37	48	3
HY-040	40	50	2	HY-040	40	53	3
HY-040	40	53	2	HY-050	50	66	3
HY-040	40	60	2	HY-060	60	70	3
HY-042	42	51	2	* HY-090	90	105	3
HY-042	42	55	2	HY-085	85	95	3.8
HY-044	44	50	2	HY-012	12	17	4
HY-045	45	55	2	* HY-352	352	1.52	4.3
HY-045	45	60	2				
(INCH)							
HY-1.125	1.125	1.5	0.066	HY-1.875	1.875	2.25	0.08
HY-2.25	2.25	2.75	0.08				

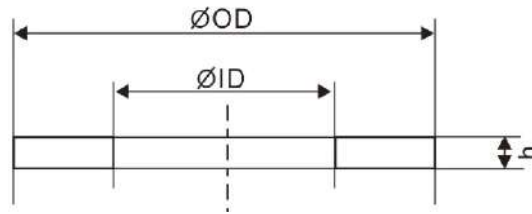
BACKUP RING—4F-P SERIES



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

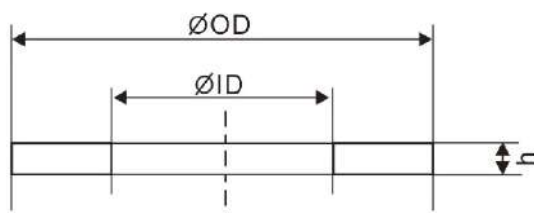
BACKUP RING—4F-P SERIES



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

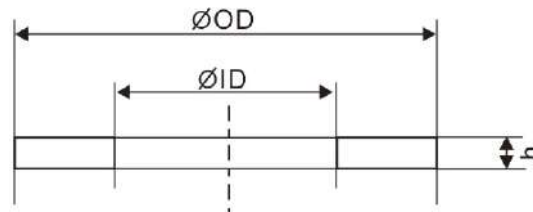
BACKUP RING—4F-P SERIES



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

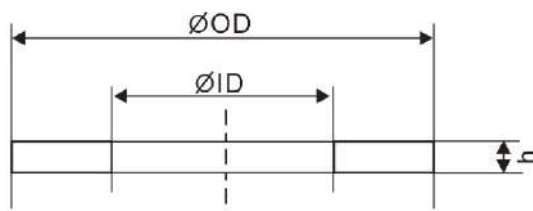
BACKUP RING—4F-G SERIES



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

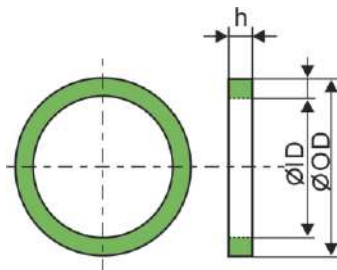
BACKUP RING—4F-G SERIES



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					

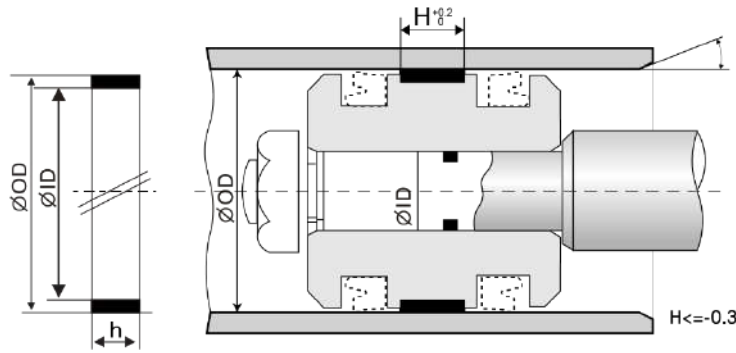
N4W PISTON SEAL BACKUP RING



APPLICATION	
MATERIAL	NY
TEMP.	-40°C~120°C
SPEED	1.5m/s

ITEM	OD	ID	h
* N4W-050	50	45	2.5
* N4W-055	55	50	2.5
* N4W-060	60	55	2.5
* N4W-065	65	60	2.5
* N4W-070	70	65	2.5
* N4W-075	75	70	2.5
* N4W-080	80	75	2.5
N4W-085	85	80	2.5
N4W-090	90	85	2.5
N4W-095	95	90	2.5
N4W-100	100	95	2.5
N4W-105	105	100	2.5
N4W-110	110	105	2.5
N4W-115	115	110	2.5
N4W-095	95	89	3.0
N4W-100	100	94	3.0
N4W-105	105	99	3.0
N4W-110	110	104	3.0
N4W-115	115	109	3.0
N4W-120	120	114	3.0
N4W-125	125	119	3.0
N4W-130	130	124	3.0
N4W-135	135	129	3.0
N4W-140	140	134	3.0
N4W-145	145	139	3.0
N4W-150	150	144	3.0
N4W-160	160	154	3.0
N4W-170	170	164	3.0
N4W-190	190	184	3.0
N4W-215	215	209	3.0
N4W-225	225	219	3.0

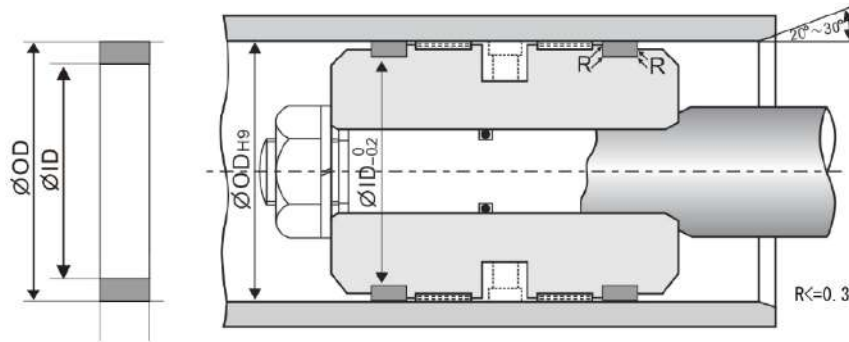
SLIDE RING FOR ROD



APPLICATION	
MATERIAL	PTFE
TEMP.	-55°C~200°C
SPEED	3m/s

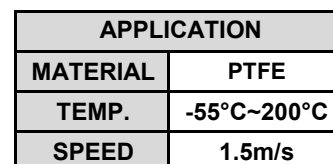
ITEM	ID	OD	h	c/s
SLIDE-045	45	50	9.5	2.5
SLIDE-060	60	65	9.5	2.5
SLIDE-065	65	70	9.5	2.5
SLIDE-070	70	75	9.5	2.5
SLIDE-075	75	80	9.5	2.5
SLIDE-080	80	85	9.5	2.5
SLIDE-085	85	90	9.5	2.5
SLIDE-090	90	95	9.5	2.5
SLIDE-095	95	100	9.5	2.5
SLIDE-100	100	105	9.5	2.5
SLIDE-105	105	110	9.5	2.5
SLIDE-120	120	125	9.5	2.5
SLIDE-080	80	85	14.8	2.5
SLIDE-090	90	95	14.8	2.5
SLIDE-100	95	100	14.8	2.5
SLIDE-100	100	105	14.8	2.5
SLIDE-105	105	110	14.8	2.5
SLIDE-110	110	115	14.8	2.5
SLIDE-115	115	120	14.8	2.5
SLIDE-120	120	125	14.8	2.5
SLIDE-130	130	135	14.8	2.5

WRFC WEAR RING

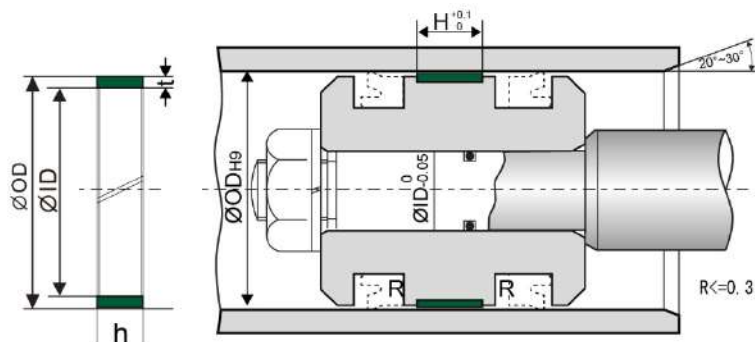


APPLICATION	
MATERIAL	PTFE
TEMP.	-55°C~200°C
SPEED	1.5m/s

ITEM	OD	ID	h	ITEM	OD	ID	h
WRFC-031	31	29	2.9	WRFC-095	95	87	7.9
WRFC-034	34	32	2.9	WRFC-100	100	92	7.9
WRFC-070	70	62	4	WRFC-105	105	97	7.9
WRFC-075	75	67	4	WRFC-110	110	102	7.9
WRFC-080	80	72	4	WRFC-115	115	107	7.9
WRFC-090	90	82	4	WRFC-120	120	112	7.9
WRFC-095	95	87	4	WRFC-125	125	117	7.9
WRFC-100	100	92	4	WRFC-130	130	122	7.9
WRFC-115	115	110	4	WRFC-135	135	127	7.9
WRFC-048	48	43	5.9	WRFC-140	140	132	7.9
WRFC-065	65	57	5.9	WRFC-145	145	137	7.9
WRFC-075	75	67	5.9	WRFC-148	148.8	140.8	7.9
WRFC-070	70	62	5.9	WRFC-150	150	142	7.9
WRFC-080	80	72	5.9	WRFC-155	155	147	7.9
WRFC-085	85	77	5.9	WRFC-160	160	152	7.9
WRFC-090	90	82	5.9	WRFC-165	165	157	7.9
WRFC-095	95	87	5.9	WRFC-170	170	162	7.9
WRFC-100	100	92	5.9	WRFC-175	175	167	7.9
WRFC-105	105	97	5.9	WRFC-180	180	172	7.9
WRFC-110	110	102	5.9	WRFC-185	185	177	7.9
WRFC-115	115	107	5.9	WRFC-190	190	182	7.9
WRFC-115	115	110	5.9	WRFC-200	200	192	7.9
WRFC-120	120	111	5.9	WRFC-210	210	202	7.9
WRFC-120	120	112	5.9	WRFC-220	220	212	7.9
WRFC-125	125	117	5.9	WRFC-275	75	70	9.5
WRFC-130	130	122	5.9	WRFC-085	85	77	9.5
WRFC-135	135	127	5.9	WRFC-090	90	82	9.5
WRFC-140	140	132	5.9	WRFC-095	95	87	9.5
WRFC-145	145	137	5.9	WRFC-100	100	92	9.5
WRFC-150	150	142	5.9	WRFC-105	105	97	9.5
WRFC-160	160	152	5.9	WRFC-110	110	102	9.5
WRFC-165	165	157	5.9	WRFC-115	115	107	9.5
WRFC-170	170	162	5.9	WRFC-120	120	111	9.5
WRFC-175	175	167	5.9	WRFC-120	120	112	9.5
WRFC-180	180	172	5.9	WRFC-125	125	117	9.5
WRFC-185	185	177	5.9	WRFC-130	130	122	9.5
WRFC-190	190	182	5.9	WRFC-135	135	127	9.5
WRFC-200	200	192	5.9	WRFC-140	140	132	9.5
WRFC-085	85	77	7.9	WRFC-145	145	137	9.5
WRFC-090	90	82	7.9	WRFC-150	150	142	9.5

142

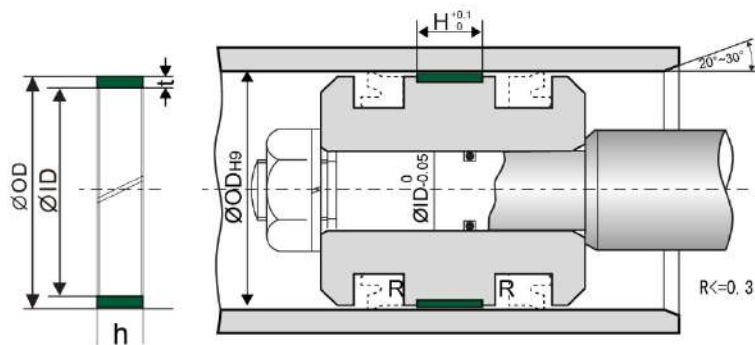
WRPF WEAR RING



APPLICATION	
MATERIAL	PF+FIBER
TEMP.	-50°C~170°C
SPEED	1m/s

ITEM	OD	ID	h	t	MODEL
WRPF-050	50	45	6	2.5	
WRPF-055	55	50	6	2.5	
WRPF-060	60	55	6	2.5	
WRPF-065	65	60	6	2.5	
WRPF-070	70	65	6	2.5	
WRPF-075	75	70	6	2.5	
WRPF-080	80	75	6	2.5	
WRPF-085	85	80	6	2.5	
WRPF-090	90	85	6	2.5	
WRPF-095	95	90	6	2.5	
WRPF-100	100	95	6	2.5	
WRPF-105	105	100	6	2.5	
WRPF-110	110	105	6	2.5	
WRPF-085	85	80	7.9	2.5	
WRPF-095	95	90	7.9	2.5	
WRPF-100	100	95	7.9	2.5	
WRPF-110	110	105	7.9	2.5	
WRPF-115	115	110	7.9	2.5	ZAX200, SK200-6E,
WRPF-120	120	115	7.9	2.5	ZAX200, SK200-8, SK200-6E,
WRPF-125	125	120	7.9	2.5	SK200-6E, ZAX240-3
WRPF-130	130	125	7.9	2.5	ZAX240-3
WRPF-135	135	130	7.9	2.5	ZAX200, SK200-8
WRPF-065	65	60	9.5	2.5	
WRPF-070	70	65	9.5	2.5	
WRPF-075	75	70	9.5	2.5	
WRPF-080	80	75	9.5	2.5	
WRPF-085	85	80	9.5	2.5	
WRPF-090	90	85	9.5	2.5	
WRPF-095	95	90	9.5	2.5	
WRPF-100	100	95	9.5	2.5	
WRPF-105	105	100	9.5	2.5	
WRPF-110	110	105	9.5	2.5	
WRPF-115	115	110	9.5	2.5	
WRPF-120	120	115	9.5	2.5	E320C, E320D
WRPF-125	125	120	9.5	2.5	ZAX450, ZAX470-3
WRPF-130	130	125	9.5	2.5	
WRPF-135	135	130	9.5	2.5	ZAX450
WRPF-140	140	135	9.5	2.5	E320C, E320D, ZAX240-3, ZAX350-3
WRPF-145	145	140	9.5	2.5	ZAX350-3

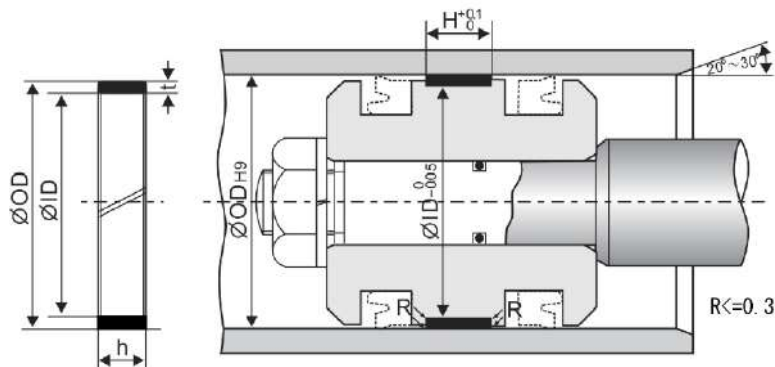
WRPF WEAR RING



APPLICATION	
MATERIAL	PF+FIBER
TEMP.	-50°C~170°C
SPEED	1m/s

ITEM	OD	ID	h	t	MODEL
WRPF-150	150	145	9.5	2.5	
WRPF-160	160	155	9.5	2.5	
WRPF-170	170	165	9.5	2.5	
WRPF-065	65	60	14.8	2.5	
WRPF-095	95	90	14.8	2.5	
WRPF-100	100	95	14.8	2.5	
WRPF-105	105	100	14.8	2.5	
WRPF-110	110	105	14.8	2.5	
WRPF-115	115	110	14.8	2.5	
WRPF-120	120	115	14.8	2.5	
WRPF-140	140	135	14.8	2.5	
WRPF-170	170	165	14.8	2.5	
WRPF-180	180	175	14.8	2.5	
WRPF-190	190	185	14.8	2.5	
* WRPF-180	180	175	20	2.5	
WRPF-045	45	39	2.1	3	
* WRPF-066	66	60	6	3	
WRPF-090	90	84	9.5	3	
WRPF-100	100	94	9.5	3	
WRPF-105	105	99	9.5	3	
WRPF-110	110	104	9.5	3	
WRPF-115	115	109	9.5	3	
WRPF-170	170	164	9.5	3	
WRPF-165	165	159	9.5	3	
WRPF-125	125	119	9.8	3	
* WRPF-110	110	104	12.5	3	
* WRPF-125	125	119	12.5	3	
* WRPF-140	140	134	12.5	3	
WRPF-125	125	119	14.8	3	
WRPF-160	160	154	14.8	3	
WRPF-180	180	174	14.8	3	
WRPF-190	190	184	14.8	3	
WRPF-200	200	194	19.5	3	
WRPF-215	215	209	19.5	3	
WRPF-225	225	219	19.5	3	

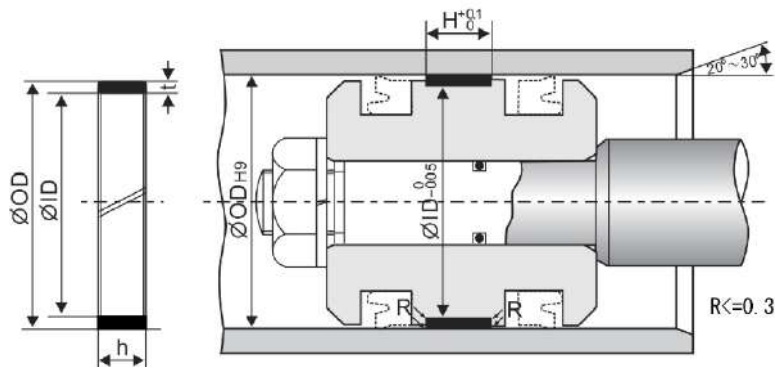
WRNF WEAR RING



APPLICATION	
MATERIAL	NY+FIBER
TEMP.	-50°C~120°C
SPEED	1m/s

ITEM	OD	ID	h	t	ITEM	OD	ID	h	t
WRNF-040	40	37.7	5.0	1.15	WRNF-085	85	81	8.0	2.00
WRNF-020	20	17	3.0	1.50	WRNF-090	90	86	8.0	2.00
WRNF-025	25	22	3.0	1.50	WRNF-095	95	91	8.0	2.00
WRNF-025	25	22	4.0	1.50	WRNF-029	29	25	9.7	2.00
WRNF-030	30	27	4.0	1.50	WRNF-044	44	40	9.7	2.00
WRNF-032	32	29	4.0	1.50	WRNF-045	45	41	9.7	2.00
WRNF-035	35	32	4.0	1.50	WRNF-049	49	45	9.7	2.00
WRNF-050	50	47	8.0	1.50	WRNF-050	50	46	9.7	2.00
WRNF-055	55	52	8.0	1.50	WRNF-054	54	50	9.7	2.00
WRNF-035	35	32	15.0	1.50	WRNF-063	63	59	9.7	2.00
WRNF-048	48	45	22.5	1.50	WRNF-064	64	60	9.7	2.00
WRNF-053	53	50	24.4	1.50	WRNF-033	33	29	10.0	2.00
WRNF-48	48	45	25.0	1.50	WRNF-035	35	31	10.0	2.00
WRNF-030	30	26	5.0	2.00	WRNF-35.4	35.4	31.4	10.0	2.00
WRNF-040	40	36	5.0	2.00	WRNF-35.5	35.5	31.5	10.0	2.00
WRNF-055	55	51	5.0	2.00	WRNF-038	38	34	10.0	2.00
WRNF-040	40	36	6.0	2.00	WRNF-040	40	36	10.0	2.00
WRNF-050	50	46	6.0	2.00	WRNF-050	50	46	10.0	2.00
WRNF-055	55	51	6.0	2.00	WRNF-062	62	58	10.0	2.00
WRNF-060	60	56	6.0	2.00	WRNF-065	65	61	10.0	2.00
WRNF-063	63	59	6.0	2.00	WRNF-080	80	76	10.0	2.00
WRNF-065	65	61	6.0	2.00	WRNF-100	100	96	10.0	2.00
WRNF-070	70	66	6.0	2.00	WRNF-125	125	121	10.0	2.00
WRNF-075	75	71	6.0	2.00	WRNF-045	45	41	12.0	2.00
WRNF-090	90	86	6.0	2.00	WRNF-049	49	45	12.0	2.00
WRNF-019.2	19.2	15.2	8.0	2.00	WRNF-050	50	46	12.0	2.00
WRNF-020	20	16	8.0	2.00	WRNF-063	63	59	12.0	2.00
WRNF-022	22	18	8.0	2.00	WRNF-039	39	35	12.5	2.00
WRNF-024	24	20	8.0	2.00	WRNF-029	29	25	13.0	2.00
WRNF-025	25	21	8.0	2.00	WRNF-041	41	37	15.0	2.00
WRNF-026	26	22	8.0	2.00	WRNF-045	45	41	15.0	2.00
WRNF-028	28	24	8.0	2.00	WRNF-050	50	46	15.0	2.00
WRNF-030	30	26	8.0	2.00	WRNF-075	75	71	15.0	2.00
WRNF-031	31	27	8.0	2.00	WRNF-080	80	76	15.0	2.00
WRNF-31.5	31.5	27.5	8.0	2.00	WRNF-085	85	81	15.0	2.00
WRNF-032	32	28	8.0	2.00	WRNF-090	90	86	15.0	2.00
WRNF-034	34	30	8.0	2.00	WRNF-044	44	40	20.0	2.00
WRNF-35.5	35.5	31.5	8.0	2.00	WRNF-045	45	41	20.0	2.00
WRNF-040	40	36	8.0	2.00	WRNF-050	50	46	20.0	2.00
WRNF-050	50	46	8.0	2.00	WRNF-040	40	35	4.6	2.50
WRNF-055	55	51	8.0	2.00	WRNF-080	80	75	4.6	2.50

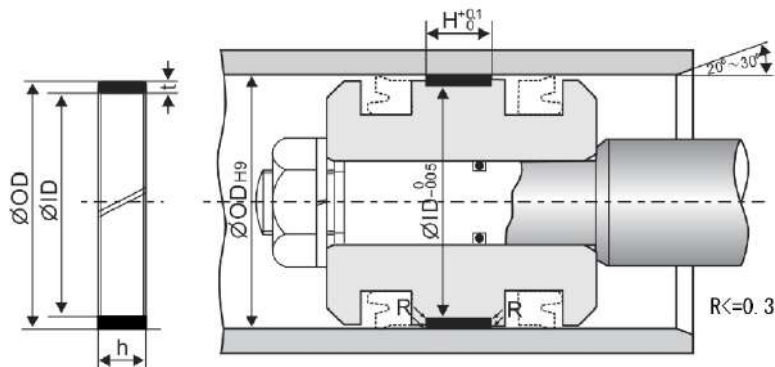
WRNF WEAR RING



APPLICATION	
MATERIAL	NY+FIBER
TEMP.	-50°C~120°C
SPEED	1m/s

ITEM	OD	ID	h	t	ITEM	OD	ID	h	t
WRNF-025	25	20	5.0	2.50	WRNF-105	105	100	8.0	2.50
WRNF-035	35	30	5.0	2.50	WRNF-140	140	135	8.0	2.50
WRNF-040	40	35	5.0	2.50	WRNF-145	145	140	8.0	2.50
WRNF-070	70	65	5.0	2.50	WRNF-150	150	145	8.0	2.50
WRNF-048	48	43	5.4	2.50	WRNF-085	85	80	8.1	2.50
WRNF-063	63	58	5.4	2.50	WRNF-095	95	90	8.1	2.50
WRNF-025	25	20	5.5	2.50	WRNF-100	100	95	8.1	2.50
WRNF-033	33	28	5.5	2.50	WRNF-110	110	105	8.1	2.50
WRNF-037	37	32	5.5	2.50	WRNF-115	115	110	8.1	2.50
WRNF-040	40	35	5.5	2.50	WRNF-120	120	115	8.1	2.50
WRNF-050	50	45	5.5	2.50	WRNF-125	125	120	8.1	2.50
WRNF-060	60	55	5.5	2.50	WRNF-130	130	125	8.1	2.50
WRNF-063	63	58	5.5	2.50	WRNF-135	135	130	8.1	2.50
WRNF-070	70	65	5.5	2.50	WRNF-155	155	150	8.1	2.50
WRNF-080	80	75	5.5	2.50	WRNF-032	32	27	8.9	2.50
WRNF-170	170	165	5.5	2.50	WRNF-037	37	32	8.9	2.50
WRNF-065	65	60	5.6	2.50	WRNF-080	80	75	9.1	2.50
WRNF-050	50	45	5.9	2.50	WRNF-025	25	20	9.5	2.50
WRNF-055	55	50	5.9	2.50	WRNF-030	30	25	9.5	2.50
WRNF-065	65	60	5.9	2.50	WRNF-035	35	30	9.5	2.50
WRNF-070	70	65	5.9	2.50	WRNF-041	41	36	9.5	2.50
WRNF-090	90	85	5.9	2.50	WRNF-045	45	40	9.5	2.50
WRNF-095	95	90	5.9	2.50	WRNF-050	50	45	9.5	2.50
WRNF-100	100	95	5.9	2.50	WRNF-055	55	50	9.5	2.50
WRNF-105	105	100	5.9	2.50	WRNF-056	56	51	9.5	2.50
WRNF-063	63	58	6.0	2.50	WRNF-060	60	55	9.5	2.50
WRNF-075	75	70	6.0	2.50	WRNF-061	61	56	9.5	2.50
WRNF-085	85	80	6.0	2.50	WRNF-063	63	58	9.5	2.50
WRNF-115	115	110	6.0	2.50	WRNF-065	65	60	9.5	2.50
WRNF-110	110	105	6.1	2.50	WRNF-068	68	63	9.5	2.50
WRNF-070	70	65	6.9	2.50	WRNF-070	70	65	9.5	2.50
WRNF-080	80	75	7.0	2.50	WRNF-075	75	70	9.5	2.50
WRNF-055	55	50	7.7	2.50	WRNF-080	80	75	9.5	2.50
WRNF-063	63	58	7.7	2.50	WRNF-085	85	80	9.5	2.50
WRNF-040	40	35	8.0	2.50	WRNF-090	90	85	9.5	2.50
WRNF-050	50	45	8.0	2.50	WRNF-095	95	90	9.5	2.50
WRNF-056	56	51	8.0	2.50	WRNF-100	100	95	9.5	2.50
WRNF-060	60	55	8.0	2.50	WRNF-105	105	100	9.5	2.50
WRNF-065	65	60	8.0	2.50	WRNF-110	110	105	9.5	2.50
WRNF-070	70	65	8.0	2.50	WRNF-115	115	110	9.5	2.50
WRNF-080	80	75	8.0	2.50	WRNF-120	120	115	9.5	2.50

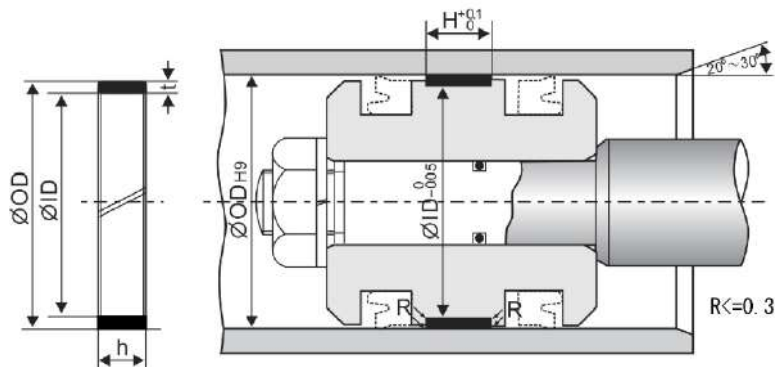
WRNF WEAR RING



APPLICATION	
MATERIAL	NY+FIBER
TEMP.	-50°C~120°C
SPEED	1m/s

ITEM	OD	ID	h	t	ITEM	OD	ID	h	t
WRNF-125	125	120	9.5	2.50	WRNF-150	150	145	12.5	2.50
WRNF-130	130	125	9.5	2.50	WRNF-160	160	155	12.5	2.50
WRNF-135	135	130	9.5	2.50	WRNF-170	170	165	12.5	2.50
WRNF-140	140	135	9.5	2.50	WRNF-110	110	105	12.7	2.50
WRNF-145	145	140	9.5	2.50	WRNF-130	130	125	12.8	2.50
WRNF-150	150	145	9.5	2.50	WRNF-055	55	50	13.0	2.50
WRNF-160	160	155	9.5	2.50	WRNF-063	63	58	13.0	2.50
WRNF-170	170	165	9.5	2.50	WRNF-080	80	75	13.0	2.50
WRNF-180	180	175	9.5	2.50	WRNF-090	90	85	13.0	2.50
WRNF-190	190	185	9.5	2.50	WRNF-100	100	95	13.0	2.50
WRNF-200	200	195	9.5	2.50	WRNF-068	68	63	14.7	2.50
WRNF-055	55	50	9.7	2.50	WRNF-040	40	35	15.0	2.50
WRNF-090	90	85	9.7	2.50	WRNF-043	43	38	15.0	2.50
WRNF-110	110	105	9.7	2.50	WRNF-044.5	44.5	39.5	15.0	2.50
WRNF-115	115	110	9.7	2.50	WRNF-045	45	40	15.0	2.50
WRNF-120	120	115	9.7	2.50	WRNF-050	50	45	15.0	2.50
WRNF-125	125	120	9.7	2.50	WRNF-051.5	51.5	46.5	15.0	2.50
WRNF-130	130	125	9.7	2.50	WRNF-055	55	50	15.0	2.50
WRNF-040	40	35	10.0	2.50	WRNF-056	56	51	15.0	2.50
WRNF-045	45	40	10.0	2.50	WRNF-060	60	55	15.0	2.50
WRNF-055	55	50	10.0	2.50	WRNF-061	61	56	15.0	2.50
WRNF-065	65	60	10.0	2.50	WRNF-063	63	58	15.0	2.50
WRNF-069	69	64	10.0	2.50	WRNF-065	65	60	15.0	2.50
WRNF-070	70	65	10.0	2.50	WRNF-070	70	65	15.0	2.50
WRNF-071	71	66	10.0	2.50	WRNF-075	75	70	15.0	2.50
WRNF-075	75	70	10.0	2.50	WRNF-080	80	75	15.0	2.50
WRNF-080	80	75	10.0	2.50	WRNF-085	85	80	15.0	2.50
WRNF-090	90	85	10.0	2.50	WRNF-090	90	85	15.0	2.50
WRNF-100	100	95	10.0	2.50	WRNF-095	95	90	15.0	2.50
WRNF-170	170	165	10.0	2.50	WRNF-100	100	95	15.0	2.50
WRNF-175	175	170	10.0	2.50	WRNF-105	105	100	15.0	2.50
WRNF-185	185	180	10.0	2.50	WRNF-110	110	105	15.0	2.50
WRNF-100	100	95	11.5	2.50	WRNF-115	115	110	15.0	2.50
WRNF-050	50	45	12.0	2.50	WRNF-120	120	115	15.0	2.50
WRNF-095	95	90	12.5	2.50	WRNF-125	125	120	15.0	2.50
WRNF-115	115	110	12.5	2.50	WRNF-130	130	125	15.0	2.50
WRNF-120	120	115	12.5	2.50	WRNF-135	135	130	15.0	2.50
WRNF-130	130	125	12.5	2.50	WRNF-140	140	135	15.0	2.50
WRNF-135	135	130	12.5	2.50	WRNF-145	145	140	15.0	2.50
WRNF-140	140	135	12.5	2.50	WRNF-150	150	145	15.0	2.50
WRNF-145	145	140	12.5	2.50	WRNF-155	155	150	15.0	2.50

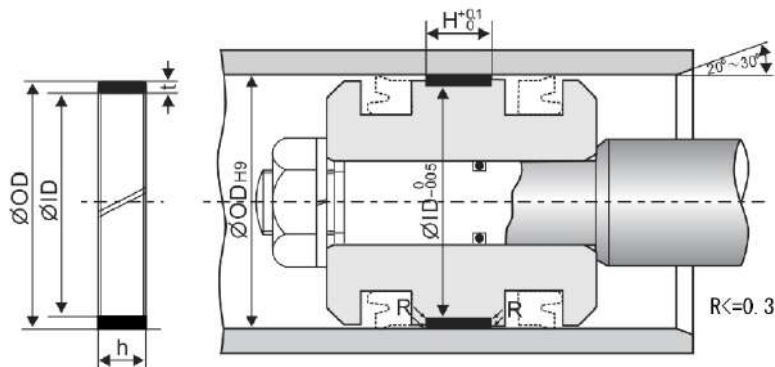
WRNF WEAR RING



APPLICATION	
MATERIAL	NY+FIBER
TEMP.	-50°C~120°C
SPEED	1m/s

ITEM	OD	ID	h	t	ITEM	OD	ID	h	t
WRNF-160	160	155	15.0	2.50	WRNF-160	160	155	20.0	2.50
WRNF-165	165	160	15.0	2.50	WRNF-165	165	160	20.0	2.50
WRNF-170	170	165	15.0	2.50	WRNF-175	175	170	20.0	2.50
WRNF-175	175	170	15.0	2.50	WRNF-180	180	175	20.0	2.50
WRNF-185	185	180	15.0	2.50	WRNF-190	190	185	20.0	2.50
WRNF-190	190	185	15.0	2.50	WRNF-200	200	195	20.0	2.50
WRNF-200	200	195	15.0	2.50	WRNF-215	215	210	20.0	2.50
WRNF-205	205	200	15.0	2.50	WRNF-220	220	215	20.0	2.50
WRNF-220	220	215	15.0	2.50	WRNF-250	250	245	20.0	2.50
WRNF-230	230	225	15.0	2.50	WRNF-055	55	50	25.0	2.50
WRNF-240	240	235	15.0	2.50	WRNF-060	60	55	25.0	2.50
WRNF-250	250	245	15.0	2.50	WRNF-065	65	60	25.0	2.50
WRNF-300	300	295	15.0	2.50	WRNF-070	70	65	25.0	2.50
WRNF-130	130	125	15.7	2.50	WRNF-075	75	70	25.0	2.50
WRNF-055	55	50	16.0	2.50	WRNF-085	85	80	25.0	2.50
WRNF-045	45	40	20.0	2.50	WRNF-090	90	85	25.0	2.50
WRNF-050	50	45	20.0	2.50	WRNF-095	95	90	25.0	2.50
WRNF-060	60	55	20.0	2.50	WRNF-100	100	95	25.0	2.50
WRNF-063	63	58	20.0	2.50	WRNF-105	105	100	25.0	2.50
WRNF-065	65	60	20.0	2.50	WRNF-110	110	105	25.0	2.50
WRNF-066	66	61	20.0	2.50	WRNF-115	115	110	25.0	2.50
WRNF-069	69	64	20.0	2.50	WRNF-120	120	115	25.0	2.50
WRNF-070	70	65	20.0	2.50	WRNF-125	125	120	25.0	2.50
WRNF-071	71	66	20.0	2.50	WRNF-130	130	125	25.0	2.50
WRNF-075	75	70	20.0	2.50	WRNF-135	135	130	25.0	2.50
WRNF-076	76	71	20.0	2.50	WRNF-140	140	135	25.0	2.50
WRNF-080	80	75	20.0	2.50	WRNF-145	145	140	25.0	2.50
WRNF-085	85	80	20.0	2.50	WRNF-155	155	150	25.0	2.50
WRNF-090	90	85	20.0	2.50	WRNF-160	160	155	25.0	2.50
WRNF-100	100	95	20.0	2.50	WRNF-175	175	170	25.0	2.50
WRNF-105	105	100	20.0	2.50	WRNF-180	180	175	25.0	2.50
WRNF-110	110	105	20.0	2.50	WRNF-185	185	180	25.0	2.50
WRNF-115	115	110	20.0	2.50	WRNF-190	190	185	25.0	2.50
WRNF-120	120	115	20.0	2.50	WRNF-195	195	190	25.0	2.50
WRNF-125	125	120	20.0	2.50	WRNF-200	200	195	25.0	2.50
WRNF-130	130	125	20.0	2.50	WRNF-205	205	200	25.0	2.50
WRNF-135	135	130	20.0	2.50	WRNF-220	220	215	25.0	2.50
WRNF-140	140	135	20.0	2.50	WRNF-225	225	220	25.0	2.50
WRNF-145	145	140	20.0	2.50	WRNF-235	235	230	25.0	2.50
WRNF-150	150	145	20.0	2.50	WRNF-240	240	235	25.0	2.50
WRNF-155	155	150	20.0	2.50	WRNF-250	250	245	25.0	2.50

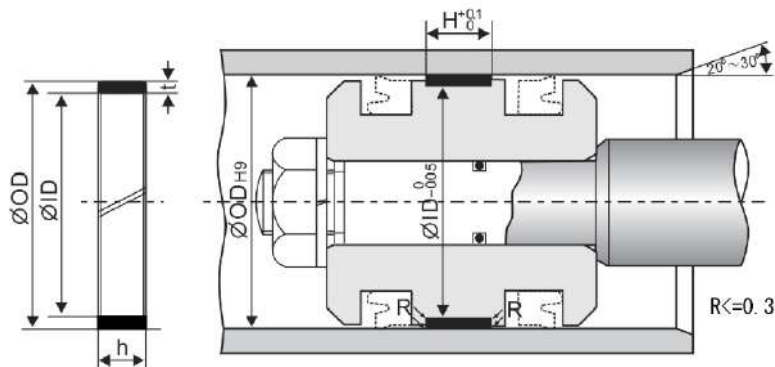
WRNF WEAR RING



APPLICATION	
MATERIAL	NY+FIBER
TEMP.	-50°C~120°C
SPEED	1m/s

ITEM	OD	ID	h	t	ITEM	OD	ID	h	t
WRNF-300	300	295	25.0	2.50	WRNF-095	95	89	10.0	3.00
WRNF-400	400	395	25.0	2.50	WRNF-100	100	94	10.0	3.00
WRNF-420	420	415	25.0	2.50	WRNF-105	105	99	10.0	3.00
WRNF-055	55	50	29.5	2.50	WRNF-110	110	104	10.0	3.00
WRNF-085	85	80	30.0	2.50	WRNF-115	115	109	10.0	3.00
WRNF-400	400	395	40.0	2.50	WRNF-120	120	114	10.0	3.00
WRNF-170	170	165	45.0	2.50	WRNF-125	125	119	10.0	3.00
WRNF-180	180	175	45.0	2.50	WRNF-140	140	134	10.0	3.00
WRNF-080	80	74	4.9	3.00	WRNF-150	150	144	10.0	3.00
WRNF-065	65	59	5.9	3.00	WRNF-155	155	149	10.0	3.00
WRNF-110	110	104	5.9	3.00	WRNF-165	165	159	10.0	3.00
WRNF-120	120	114	5.9	3.00	WRNF-200	200	194	10.0	3.00
WRNF-075	75	69	6.0	3.00	WRNF-055	55	49	10.5	3.00
WRNF-080	80	74	6.0	3.00	WRNF-100	100	94	11.0	3.00
WRNF-085	85	79	6.0	3.00	WRNF-120	120	114	11.1	3.00
WRNF-100	100	94	6.0	3.00	WRNF-055	55	49	12.0	3.00
WRNF-050	50	44	8.0	3.00	WRNF-060	60	54	12.0	3.00
WRNF-055	55	49	8.0	3.00	WRNF-080	80	74	12.0	3.00
WRNF-090	90	84	8.0	3.00	WRNF-110	110	104	12.0	3.00
WRNF-095	95	89	8.0	3.00	WRNF-130	130	124	12.0	3.00
WRNF-110	110	104	8.0	3.00	WRNF-085	85	79	12.5	3.00
WRNF-165	165	159	8.0	3.00	WRNF-090	90	84	12.5	3.00
WRNF-100	100	94	8.8	3.00	WRNF-095	95	89	12.5	3.00
WRNF-055	55	49	9.4	3.00	WRNF-100	100	94	12.5	3.00
WRNF-046	46	40	9.5	3.00	WRNF-105	105	99	12.5	3.00
WRNF-050	50	44	9.5	3.00	WRNF-130	130	124	12.5	3.00
WRNF-051	51	45	9.5	3.00	WRNF-056	56	50	12.7	3.00
WRNF-056	56	50	9.5	3.00	WRNF-060	60	54	12.7	3.00
WRNF-063	63	57	9.5	3.00	WRNF-070	70	64	12.7	3.00
WRNF-170	170	164	9.5	3.00	WRNF-075	75	69	12.7	3.00
WRNF-185	185	179	9.5	3.00	WRNF-080	80	74	12.7	3.00
WRNF-045	45	39	10.0	3.00	WRNF-110	110	104	12.7	3.00
WRNF-050	51	45	10.0	3.00	WRNF-112	112	106	12.7	3.00
WRNF-055	55	49	10.0	3.00	WRNF-131	131	125	12.7	3.00
WRNF-060	60	54	10.0	3.00	WRNF-170	170	164	12.7	3.00
WRNF-065	65	59	10.0	3.00	WRNF-055	55	49	13.0	3.00
WRNF-070	70	64	10.0	3.00	WRNF-063	63	57	13.0	3.00
WRNF-075	75	69	10.0	3.00	WRNF-065	65	59	13.0	3.00
WRNF-080	80	74	10.0	3.00	WRNF-066	66	60	13.0	3.00
WRNF-085	85	79	10.0	3.00	WRNF-076	76	70	13.0	3.00
WRNF-090	90	84	10.0	3.00	WRNF-080	80	74	13.0	3.00

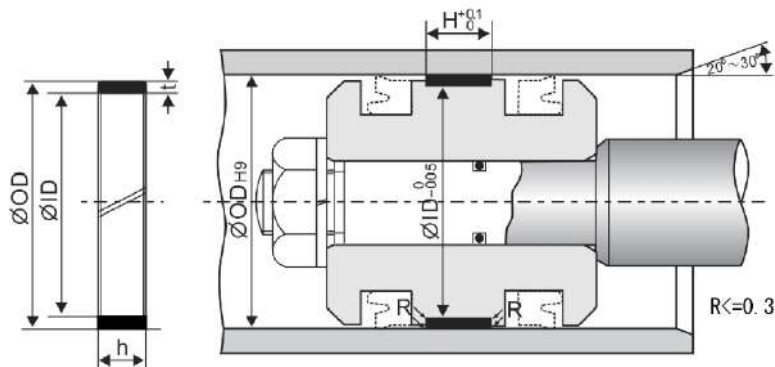
WRNF WEAR RING



APPLICATION	
MATERIAL	NY+FIBER
TEMP.	-50°C~120°C
SPEED	1m/s

ITEM	OD	ID	h	t	ITEM	OD	ID	h	t
WRNF-085	85	79	13.0	3.00	WRNF-180	180	174	15.0	3.00
WRNF-086	86	80	13.0	3.00	WRNF-190	190	184	15.0	3.00
WRNF-090	90	84	13.0	3.00	WRNF-200	200	194	15.0	3.00
WRNF-093	93	87	13.0	3.00	WRNF-220	220	214	15.0	3.00
WRNF-096	96	90	13.0	3.00	WRNF-230	230	224	15.0	3.00
WRNF-100	100	94	13.0	3.00	WRNF-250	250	244	15.0	3.00
WRNF-111	111	105	13.0	3.00	WRNF-053	53	47	16.0	3.00
WRNF-116	116	110	13.0	3.00	WRNF-055	55	49	16.0	3.00
WRNF-125	125	119	13.0	3.00	WRNF-056	56	50	16.0	3.00
WRNF-126	126	120	13.0	3.00	WRNF-060	60	54	16.0	3.00
WRNF-136	136	130	13.0	3.00	WRNF-063	63	57	16.0	3.00
WRNF-140	140	134	13.0	3.00	WRNF-065	65	59	16.0	3.00
WRNF-146	146	140	13.0	3.00	WRNF-070	70	64	16.0	3.00
WRNF-150	150	144	13.0	3.00	WRNF-090	90	84	16.0	3.00
WRNF-170	170	164	13.0	3.00	WRNF-127	127	121	16.0	3.00
WRNF-140	140	134	14.0	3.00	WRNF-170	170	164	17.8	3.00
WRNF-145	45	39	15.0	3.00	WRNF-170	170	164	19.0	3.00
WRNF-050	50	44	15.0	3.00	WRNF-040	40	34	20.0	3.00
WRNF-055	55	49	15.0	3.00	WRNF-050	50	44	20.0	3.00
WRNF-060	60	54	15.0	3.00	WRNF-055	55	49	20.0	3.00
WRNF-055	65	59	15.0	3.00	WRNF-060	60	54	20.0	3.00
WRNF-070	70	64	15.0	3.00	WRNF-070	70	64	20.0	3.00
WRNF-075	75	69	15.0	3.00	WRNF-071	71	65	20.0	3.00
WRNF-080	80	74	15.0	3.00	WRNF-075	75	69	20.0	3.00
WRNF-085	85	79	15.0	3.00	WRNF-080	80	74	20.0	3.00
WRNF-090	90	84	15.0	3.00	WRNF-085	85	79	20.0	3.00
WRNF-095	95	89	15.0	3.00	WRNF-090	90	84	20.0	3.00
WRNF-100	100	94	15.0	3.00	WRNF-095	95	89	20.0	3.00
WRNF-105	105	99	15.0	3.00	WRNF-100	100	94	20.0	3.00
WRNF-108	108	102	15.0	3.00	WRNF-101	101	95	20.0	3.00
WRNF-110	110	104	15.0	3.00	WRNF-110	110	104	20.0	3.00
WRNF-112	112	106	15.0	3.00	WRNF-115	115	109	20.0	3.00
WRNF-115	115	109	15.0	3.00	WRNF-125	125	119	20.0	3.00
WRNF-0120	120	114	15.0	3.00	WRNF-130	130	124	20.0	3.00
WRNF-125	125	119	15.0	3.00	WRNF-133	133	127	20.0	3.00
WRNF-130	130	124	15.0	3.00	WRNF-150	150	144	20.0	3.00
WRNF-140	140	134	15.0	3.00	WRNF-165	165	159	20.0	3.00
WRNF-150	150	144	15.0	3.00	WRNF-170	170	164	20.0	3.00
WRNF-160	160	154	15.0	3.00	WRNF-180	180	174	20.0	3.00
WRNF-165	165	159	15.0	3.00	WRNF-185	185	179	20.0	3.00
WRNF-170	170	164	15.0	3.00	WRNF-190	190	184	20.0	3.00

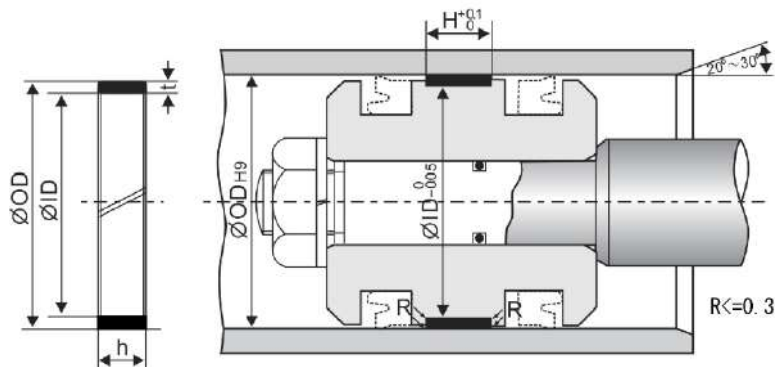
WRNF WEAR RING



APPLICATION	
MATERIAL	NY+FIBER
TEMP.	-50°C~120°C
SPEED	1m/s

ITEM	OD	ID	h	t	ITEM	OD	ID	h	t
WRNF-200	200	194	20.0	3.00	WRNF-112	112	106	30.0	3.00
WRNF-210	210	204	20.0	3.00	WRNF-115	115	109	30.0	3.00
WRNF-215	215	209	20.0	3.00	WRNF-120	120	114	30.0	3.00
WRNF-220	220	214	20.0	3.00	WRNF-125	125	119	30.0	3.00
WRNF-225	225	219	20.0	3.00	WRNF-130	130	124	30.0	3.00
WRNF-250	250	244	20.0	3.00	WRNF-135	135	129	30.0	3.00
WRNF-260	260	254	20.0	3.00	WRNF-140	140	134	30.0	3.00
WRNF-110	110	104	22.0	3.00	WRNF-165	165	159	30.0	3.00
WRNF-051	51	45	22.2	3.00	WRNF-190	190	184	30.0	3.00
WRNF-120	120	114	22.4	3.00	WRNF-200	200	194	30.0	3.00
WRNF-100	100	94	22.5	3.00	WRNF-230	230	224	30.0	3.00
WRNF-110	110	104	22.5	3.00	WRNF-240	240	234	30.0	3.00
WRNF-105	105	99	24.5	3.00	WRNF-110	110	104	35.0	3.00
WRNF-56	56	50	25.0	3.00	WRNF-120	120	114	35.0	3.00
WRNF-062	62	56	25.0	3.00	WRNF-150	150	144	35.0	3.00
WRNF-069	69	63	25.0	3.00	WRNF-120	120	114	40.0	3.00
WRNF-075	75	69	25.0	3.00	WRNF-140	140	134	40.0	3.00
WRNF-080	80	74	25.0	3.00	WRNF-150	150	144	40.0	3.00
WRNF-085	85	79	25.0	3.00	WRNF-160	160	154	40.0	3.00
WRNF-090	90	84	25.0	3.00	WRNF-086	86	80	50.0	3.00
WRNF-095	95	89	25.0	3.00	WRNF-170	170	164	50.0	3.00
WRNF-100	100	94	25.0	3.00	WRNF-175	175	169	50.0	3.00
WRNF-105	105	99	25.0	3.00	WRNF-180	180	174	50.0	3.00
WRNF-110	110	104	25.0	3.00	WRNF-190	190	184	50.0	3.00
WRNF-115	115	109	25.0	3.00	WRNF-200	200	194	50.0	3.00
WRNF-120	120	114	25.0	3.00	WRNF-210	210	204	50.0	3.00
WRNF-125	125	119	25.0	3.00	WRNF-230	230	224	50.0	3.00
WRNF-140	140	134	25.0	3.00	WRNF-200	200	194	60.0	3.00
WRNF-150	150	144	25.0	3.00	WRNF-220	220	214	60.0	3.00
WRNF-210	210	204	25.0	3.00	WRNF-224	224	218	60.0	3.00
WRNF-215	215	209	25.0	3.00	WRNF-230	230	224	60.0	3.00
WRNF-225	225	219	25.0	3.00	WRNF-240	240	234	60.0	3.00
WRNF-230	230	224	25.0	3.00	WRNF-250	250	244	60.0	3.00
WRNF-250	250	244	25.0	3.00	WRNF-115	115	108.8	8.0	3.10
WRNF-100	100	94	28.5	3.00	WRNF-090	90	83.7	15.0	3.15
WRNF-069	69	63	30.0	3.00	WRNF-060	60	53.66	12.7	3.17
WRNF-080	80	74	30.0	3.00	WRNF-127	127	120.65	12.7	3.18
WRNF-85	85	79	30.0	3.00	WRNF-127	127	120.65	15.8	3.18
WRNF-90	90	84	30.0	3.00	WRNF-120	120	113.6	15.0	3.20
WRNF-100	100	94	30.0	3.00	WRNF-125	125	118.6	15.0	3.20
WRNF-110	110	104	30.0	3.00	WRNF-135	135	128.6	19.3	3.20

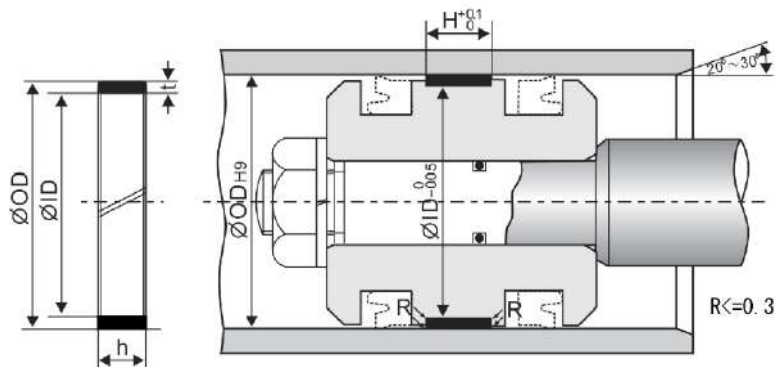
WRNF WEAR RING



APPLICATION	
MATERIAL	NY+FIBER
TEMP.	-50°C~120°C
SPEED	1m/s

ITEM	OD	ID	h	t	ITEM	OD	ID	h	t
WRNF-105	105	98.6	19.4	3.20	WRNF-130	130	123	25.0	3.50
WRNF-145	145	138.6	19.4	3.20	WRNF-135	135	128	25.0	3.50
WRNF-165	165	158.6	19.4	3.20	WRNF-165	165	158	25.0	3.50
WRNF-080	80	73.6	24.3	3.20	WRNF-180	180	173	25.0	3.50
WRNF-090	90	83.4	12.5	3.30	WRNF-135	135	128	27.8	3.50
WRNF-100	100	93.4	16.3	3.30	WRNF-130	130	123	30.0	3.50
WRNF-080	80	73.4	24.3	3.30	WRNF-140	140	133	30.0	3.50
WRNF-063	63	56.4	16.3	3.30	WRNF-190	190	183	30.0	3.50
WRNF-050	50	43	9.5	3.50	WRNF-132	132	125	35.0	3.50
WRNF-135	135	128	9.7	3.50	WRNF-140	140	133	35.0	3.50
WRNF-130	130	123	10.0	3.50	WRNF-150	150	143	35.0	3.50
WRNF-145	145	138	10.0	3.50	WRNF-120	120	113	40.0	3.50
WRNF-110	110	103	12.5	3.50	WRNF-130	130	123	40.0	3.50
WRNF-120	120	113	12.5	3.50	WRNF-140	140	133	40.0	3.50
WRNF-130	130	123	12.5	3.50	WRNF-146	146	139	40.0	3.50
WRNF-120	120	113	15.0	3.50	WRNF-150	150	143	40.0	3.50
WRNF-130	130	123	15.0	3.50	WRNF-157	157	150	40.0	3.50
WRNF-135	135	128	15.0	3.50	WRNF-160	160	153	40.0	3.50
WRNF-145	145	138	15.0	3.50	WRNF-170	170	163	40.0	3.50
WRNF-150	150	143	15.0	3.50	WRNF-140	140	133	45.0	3.50
WRNF-165	165	158	15.0	3.50	WRNF-150	150	143	45.0	3.50
WRNF-115	115	108	16.5	3.50	WRNF-160	160	153	45.0	3.50
WRNF-125	125	118	16.5	3.50	WRNF-170	170	162.4	25.0	3.80
WRNF-130	130	123	16.5	3.50	WRNF-135	135	127.3	9.9	3.85
WRNF-140	140	133	17.5	3.50	WRNF-070	70	62	3.8	4.00
WRNF-150	150	143	17.5	3.50	WRNF-115	115	107	3.9	4.00
WRNF-115	115	108	20.0	3.50	WRNF-070	70	62	4.0	4.00
WRNF-125	125	118	20.0	3.50	WRNF-075	75	67	4.0	4.00
WRNF-130	130	123	20.0	3.50	WRNF-080	80	72	4.0	4.00
WRNF-135	135	128	20.0	3.50	WRNF-085	85	77	4.0	4.00
WRNF-140	140	133	20.0	3.50	WRNF-090	90	82	4.0	4.00
WRNF-145	145	138	20.0	3.50	WRNF-095	95	87	4.0	4.00
WRNF-150	150	143	20.0	3.50	WRNF-100	100	92	4.0	4.00
WRNF-160	160	153	20.0	3.50	WRNF-105	105	97	4.0	4.00
WRNF-150	150	143	20.5	3.50	WRNF-115	115	107	4.0	4.00
WRNF-160	160	153	20.5	3.50	WRNF-120	120	112	5.8	4.00
WRNF-150	150	143	21.0	3.50	WRNF-135	135	127	5.8	4.00
WRNF-160	160	153	21.0	3.50	WRNF-070	70	62	6.0	4.00
WRNF-70	70	63	25.0	3.50	WRNF-085	85	77	6.0	4.00
WRNF-086	86	79	25.0	3.50	WRNF-090	90	82	6.0	4.00
WRNF-115	115	108	25.0	3.50	WRNF-095	95	87	6.0	4.00

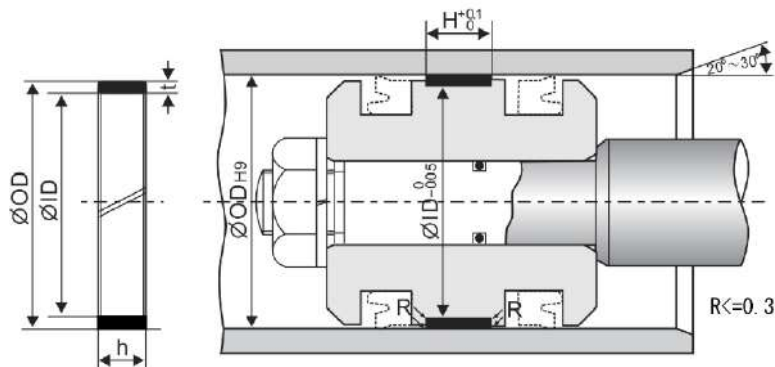
WRNF WEAR RING



APPLICATION	
MATERIAL	NY+FIBER
TEMP.	-50°C~120°C
SPEED	1m/s

ITEM	OD	ID	h	t	ITEM	OD	ID	h	t
WRNF-100	100	92	6.0	4.00	WRNF-140	140	132	10.0	4.00
WRNF-105	105	97	6.0	4.00	WRNF-145	145	137	10.0	4.00
WRNF-115	115	107	6.0	4.00	WRNF-150	150	142	10.0	4.00
WRNF-120	120	112	6.0	4.00	WRNF-160	160	152	10.0	4.00
WRNF-125	125	117	6.0	4.00	WRNF-165	165	157	10.0	4.00
WRNF-130	130	122	6.0	4.00	WRNF-170	170	162	10.0	4.00
WRNF-135	135	127	6.0	4.00	WRNF-180	180	172	10.0	4.00
WRNF-140	140	132	6.0	4.00	WRNF-190	190	182	10.0	4.00
WRNF-145	145	137	6.0	4.00	WRNF-200	200	192	10.0	4.00
WRNF-150	150	142	6.0	4.00	WRNF-070	70	62	12.0	4.00
WRNF-160	160	152	6.0	4.00	WRNF-075	75	67	12.0	4.00
WRNF-170	170	162	6.0	4.00	WRNF-080	80	72	12.0	4.00
WRNF-175	175	167	6.0	4.00	WRNF-085	85	77	12.0	4.00
WRNF-120	120	112	7.9	4.00	WRNF-105	105	97	14.5	4.00
WRNF-130	130	122	7.9	4.00	WRNF-110	110	102	14.5	4.00
WRNF-095	95	87	8.0	4.00	WRNF-080	80	72	15.0	4.00
WRNF-100	100	92	8.0	4.00	WRNF-085	85	77	15.0	4.00
WRNF-105	105	97	8.0	4.00	WRNF-090	90	82	15.0	4.00
WRNF-110	110	102	8.0	4.00	WRNF-095	95	87	15.0	4.00
WRNF-115	115	107	8.0	4.00	WRNF-100	100	92	15.0	4.00
WRNF-125	125	117	8.0	4.00	WRNF-115	115	107	15.0	4.00
WRNF-135	135	127	8.0	4.00	WRNF-120	120	112	15.0	4.00
WRNF-140	140	132	8.0	4.00	WRNF-125	125	117	15.0	4.00
WRNF-145	145	137	8.0	4.00	WRNF-135	135	127	15.0	4.00
WRNF-150	150	142	8.0	4.00	WRNF-160	160	152	15.0	4.00
WRNF-160	160	152	8.0	4.00	WRNF-165	165	157	15.0	4.00
WRNF-170	170	162	8.0	4.00	WRNF-170	170	162	15.0	4.00
WRNF-190	190	182	8.0	4.00	WRNF-180	180	172	15.0	4.00
WRNF-200	200	192	8.0	4.00	WRNF-190	190	182	15.0	4.00
WRNF-170	170	162	9.0	4.00	WRNF-200	200	192	15.0	4.00
WRNF-200	200	192	9.0	4.00	WRNF-250	250	242	15.0	4.00
WRNF-170	170	162	9.4	4.00	WRNF-115	115	107	20.0	4.00
WRNF-500	500	492	9.7	4.00	WRNF-150	150	142	20.0	4.00
WRNF-095	95	87	10.0	4.00	WRNF-170	170	162	20.0	4.00
WRNF-105	105	97	10.0	4.00	WRNF-190	190	182	20.0	4.00
WRNF-110	110	102	10.0	4.00	WRNF-200	200	192	20.0	4.00
WRNF-115	115	107	10.0	4.00	WRNF-230	230	222	20.0	4.00
WRNF-120	120	112	10.0	4.00	WRNF-240	240	232	20.0	4.00
WRNF-125	125	117	10.0	4.00	WRNF-250	250	242	20.0	4.00
WRNF-130	130	122	10.0	4.00	WRNF-140	140	132	22.0	4.00
WRNF-135	135	127	10.0	4.00	WRNF-180	180	172	22.0	4.00

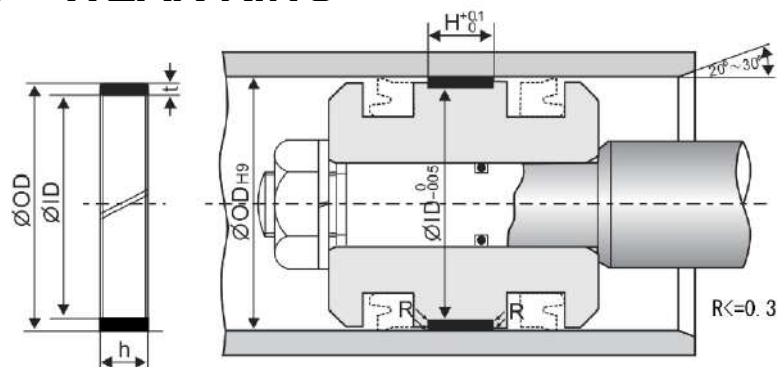
WRNF WEAR RING



APPLICATION	
MATERIAL	NY+FIBER
TEMP.	-50°C~120°C
SPEED	1m/s

ITEM	OD	ID	h	t	ITEM	OD	ID	h	t
WRNF-170	170	162	22.5	4.00	WRNF-205	205	197	50.0	4.00
WRNF-180	180	172	22.5	4.00	WRNF-210	210	202	50.0	4.00
WRNF-200	200	192	22.5	4.00	WRNF-220	220	212	50.0	4.00
WRNF-220	220	212	22.5	4.00	WRNF-224	224	216	50.0	4.00
WRNF-225	225	217	22.5	4.00	WRNF-225	225	217	50.0	4.00
WRNF-160	160	152	25.0	4.00	WRNF-180	180	172	55.0	4.00
WRNF-165	165	157	25.0	4.00	WRNF-190	190	182	55.0	4.00
WRNF-170	170	162	25.0	4.00	WRNF-230	230	222	55.0	4.00
WRNF-175	175	167	25.0	4.00	WRNF-240	240	232	55.0	4.00
WRNF-180	180	172	25.0	4.00	WRNF-250	250	242	55.0	4.00
WRNF-185	185	177	25.0	4.00	WRNF-260	260	252	60.0	4.00
WRNF-190	190	182	25.0	4.00	WRNF-270	270	262	60.0	4.00
WRNF-200	200	192	25.0	4.00	WRNF-275	275	267	60.0	4.00
WRNF-204	204	196	25.0	4.00	WRNF-280	280	272	60.0	4.00
WRNF-210	210	202	25.0	4.00	WRNF-290	290	282	60.0	4.00
WRNF-215	215	207	25.0	4.00	WRNF-300	300	292	60.0	4.00
WRNF-224	224	216	25.0	4.00	WRNF-290	290	282	70.0	4.00
WRNF-225	225	217	25.0	4.00	WRNF-297	297	289	70.0	4.00
WRNF-250	250	242	25.0	4.00	WRNF-300	300	292	70.0	4.00
WRNF-310	310	302	25.0	4.00	WRNF-310	310	302	70.0	4.00
WRNF-360	360	352	25.0	4.00	WRNF-312	312	304	70.0	4.00
WRNF-190	190	182	28.5	4.00	WRNF-320	320	312	70.0	4.00
WRNF-210	210	202	28.5	4.00	WRNF-332	332	324	70.0	4.00
WRNF-215	215	207	28.5	4.00	WRNF-340	340	332	70.0	4.00
WRNF-220	220	212	28.5	4.00	WRNF-350	350	342	70.0	4.00
WRNF-225	225	217	28.5	4.00	WRNF-360	360	352	70.0	4.00
WRNF-225	225	217	30.0	4.00	WRNF-375	375	367	70.0	4.00
WRNF-230	230	222	30.0	4.00	WRNF-380	380	372	70.0	4.00
WRNF-240	240	232	30.0	4.00	WRNF-400	400	392	70.0	4.00
WRNF-250	250	242	30.0	4.00	WRNF-110	110	101	6.0	4.50
WRNF-300	300	292	30.0	4.00	WRNF-120	120	111	6.0	4.50
WRNF-240	240	232	35.0	4.00	WRNF-090	90	81	10.0	4.50
WRNF-165	165	157	45.0	4.00	WRNF-095	95	86	10.0	4.50
WRNF-170	170	162	45.0	4.00	WRNF-100	100	91	10.0	4.50
WRNF-180	180	172	45.0	4.00	WRNF-105	105	96	10.0	4.50
WRNF-185	185	177	45.0	4.00	WRNF-110	110	101	10.0	4.50
WRNF-190	190	182	45.0	4.00	WRNF-115	115	106	10.0	4.50
WRNF-200	200	192	45.0	4.00	WRNF-120	120	111	10.0	4.50
WRNF-140	140	132	48.0	4.00	WRNF-125	125	116	10.0	4.50
WRNF-112	112	104	50.0	4.00	WRNF-090	90	81	12.5	4.50
WRNF-170	170	162	50.0	4.00	WRNF-095	95	86	12.5	4.50

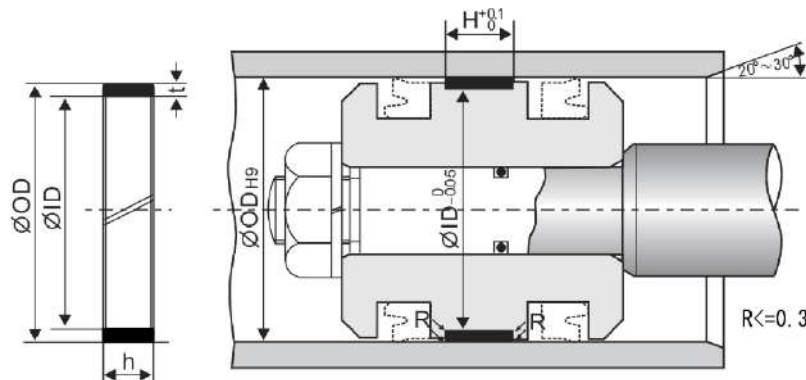
WRNF WEAR RING



APPLICATION	
MATERIAL	NY+FIBER
TEMP.	-50°C~120°C
SPEED	1m/s

ITEM	OD	ID	h	t	ITEM	OD	ID	h	t
WRNF-100	100	91	12.5	4.50	WRNF-225	225	214	50.0	5.50
WRNF-105	105	96	12.5	4.50	WRNF-140	140	128	10.0	6.00
WRNF-110	110	101	12.5	4.50	WRNF-140	140	128	12.5	6.00
WRNF-115	115	106	15.0	4.50	WRNF-145	145	133	12.5	6.00
WRNF-120	120	111	15.0	4.50	WRNF-150	150	138	12.5	6.00
WRNF-135	135	126	30.0	4.50	WRNF-160	160	148	12.5	6.00
WRNF-254	254	244.4	60.0	4.80	WRNF-160	160	148	14.8	6.00
WRNF-125	125	115	10.0	5.00	WRNF-140	140	128	17.5	6.00
WRNF-130	130	120	10.0	5.00	WRNF-150	150	138	17.5	6.00
WRNF-135	135	125	10.0	5.00	WRNF-150	150	138	20.0	6.00
WRNF-140	140	130	10.0	5.00	WRNF-160	160	148	20.0	6.00
WRNF-125	125	115	15.0	5.00	WRNF-170	170	158	20.0	6.00
WRNF-130	130	120	15.0	5.00	WRNF-180	180	168	22.5	6.00
WRNF-135	135	125	15.0	5.00	WRNF-185	185	173	22.5	6.00
WRNF-140	140	130	15.0	5.00	WRNF-200	200	188	22.5	6.00
WRNF-185	185	175	15.0	5.00	WRNF-225	225	213	25.0	6.00
WRNF-225	225	215	25.0	5.00	WRNF-250	250	238	27.5	6.00
WRNF-130	130	119	15.0	5.50	WRNF-430	430	417	50.0	6.50

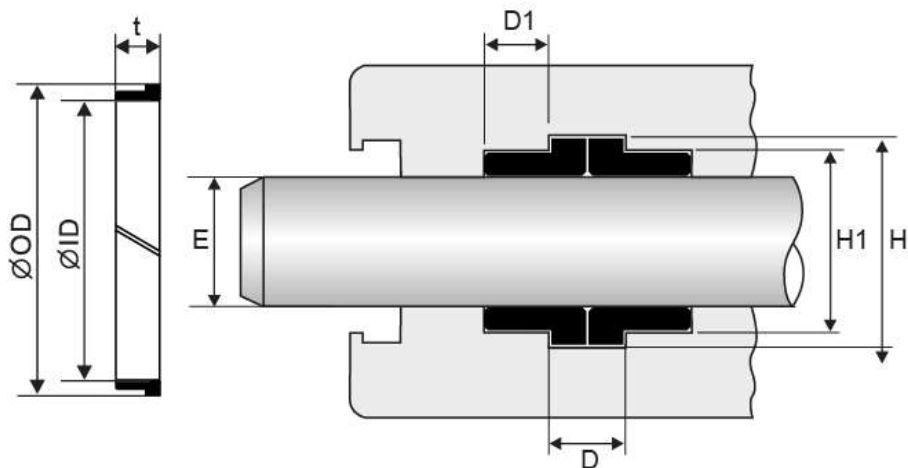
WRNF WEAR RING FOR ROD



APPLICATION	
MATERIAL	NY+FIBER
TEMP.	-58°F~248°F
SPEED	3.2 ft/s

ITEM	ID	OD	h	t	ITEM	ID	OD	h	t
WRNF-035	35	37.5	4.9	1.3	WRNF-110	110	115	12.3	2.5
WRNF-063	63	66	14.8	1.5	WRNF-042	42	47	14.8	2.5
WRNF-088	88	91	21.8	1.5	WRNF-060	60	65	14.8	2.5
WRNF-032	32	36	7.9	2.0	WRNF-095	95	100	14.8	2.5
WRNF-042	42	46	9.4	2.0	WRNF-105	105	110	14.8	2.5
WRNF-035	35	39	9.7	2.0	WRNF-115	115	120	14.8	2.5
WRNF-030	30	34	9.8	2.0	WRNF-165	165	170	14.8	2.5
WRNF-032	32	36	14.8	2.0	WRNF-210	210	215	14.8	2.5
WRNF-063	63	67	14.8	2.0	WRNF-270	270	275	14.8	2.5
WRNF-107	107	111	21.8	2.0	WRNF-080	80	85	17.8	2.5
WRNF-126	126	130	21.8	2.0	WRNF-063	63	68	19.8	2.5
WRNF-145	145	149	21.8	2.0	WRNF-060	60	65	24.8	2.5
WRNF-075	75	80	4.8	2.5	WRNF-270	270	275	24.8	2.5
WRNF-045	45	50	5	2.5	WRNF-300	300	305	24.8	2.5
WRNF-036	36	41	5.3	2.5	WRNF-115	115	120	39.8	2.5
WRNF-025	25	30	5.5	2.5	WRNF-140	140	145	39.8	2.5
WRNF-028	28	33	5.5	2.5	WRNF-160	160	165	39.8	2.5
WRNF-030	30	35	5.5	2.5	WRNF-085	85	91	12.5	3.0
WRNF-032	32	37	5.5	2.5	WRNF-070	70	76	12.6	3.0
WRNF-035	35	40	5.5	2.5	WRNF-055	55	61	12.7	3.0
WRNF-290	290	295	5.5	2.5	WRNF-060	60	66	12.7	3.0
WRNF-110	110	115	6.8	2.5	WRNF-056	56	62	12.8	3.0
WRNF-075	75	80	9.3	2.5	WRNF-090	90	96	12.8	3.0
WRNF-050	50	55	9.35	2.5	WRNF-130	130	136	12.8	3.0
WRNF-050	50	55	9.4	2.5	WRNF-140	140	146	12.8	3.0
WRNF-070	70	75	9.4	2.5	WRNF-110	110	116	14.8	3.0
WRNF-025	25	30	9.5	2.5	WRNF-095	95	101	19.8	3.0
WRNF-030	30	35	9.5	2.5	WRNF-140	140	146	19.8	3.0
WRNF-065	65	70	9.5	2.5	WRNF-165	165	171	21.8	3.0
WRNF-075	75	80	9.5	2.5	WRNF-095	95	101	24.8	3.0
WRNF-080	80	85	9.5	2.5	WRNF-140	140	147	29.8	3.5
WRNF-090	90	95	9.5	2.5	WRNF-140	140	147	39.8	3.5
WRNF-105	105	110	9.5	2.5					
WRNF-135	135	140	9.5	2.5					
WRNF-140	140	145	9.5	2.5					
WRNF-150	150	155	9.5	2.5					
WRNF-165	165	170	9.5	2.5					
WRNF-290	290	295	9.5	2.5					

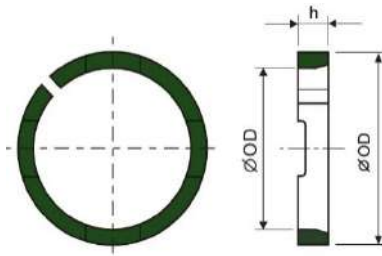
WRL WEAR RING



APPLICATION	
MATERIAL	POM
TEMP.	-35°C~100°C
SPEED	1m/s

ITEM	ID	OD	t	E	D	D1	H	H1
WRL-060	60	71	16	60	10	11	71	66
WRL-078	78	89	16	78	10	11	89	84
WRL-091	91	102	16	91			102	97
WRL-099	99	110	16	99	10	11	110	105
WRL-110	110	121	16	110			121	116
WRL-120	120	131	16	120	10	11	131	126
WRL-130	130	141	16	130			141	136
WRL-141	141	152	16	141	10	11	152	147
WRL-150	150	161	16	150			161	156
WRL-162	162	173	16	162	10	11	173	168
WRL-170	170	182	16	170			182	177
WRL-183	183	194	16	183	10	11	194	189
WRL-192	192	202	16	192			202	197
WRL-207	207	218	16	207	10	11	218	213
* WRL-060	60	68	18	60	8	14	68	65
* WRL-092	92	100	18	92	8	14	100	97

N4B CUSHION SEAL

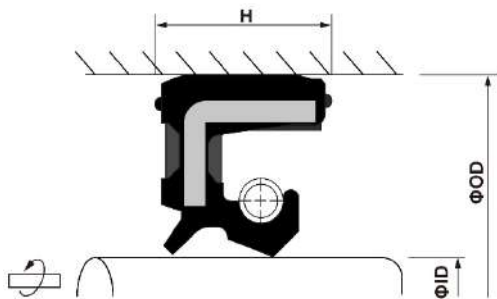


APPLICATION		
MATERIAL	PEI+FIBER	NY+GF
TEMP.	-50°C~170°C	-40°C~120°C
SPEED	1.5 m/s	1.5 m/s

OD

ITEM	ID	OD	h
N4B-18.5	19	22.5	3.5
* N4B-19.4	19.4	23.6	3.5
N4B-23	23	29	5
N4B-26	26	30	5
N4B-32	32	38	6
* N4B-33	33	38	6
N4B-39	39	45	6
N4B-44	44	50	6
N4B-49	49	55	6
N4B-54	54	60	6
N4B-59	59	65	6
N4B-60	60	65	6
N4B-64	64	70	6
N4B-69	69	75	6
N4B-70	70	75	6
N4B-74	74	80	6
N4B-75	75	80	6
N4B-79	79	85	6
N4B-80	80	85	6
N4B-84	84	90	6
N4B-85	85	90	6
N4B-87.5	88	92.5	6
N4B-89	89	95	6
N4B-90	90	95	6
N4B-94	94	100	6
N4B-95	95	100	6
N4B-100	100	105	6
N4B-104	104	110	6
N4B-105	105	110	6
N4B-109	109	115	6
N4B-110	110	115	6

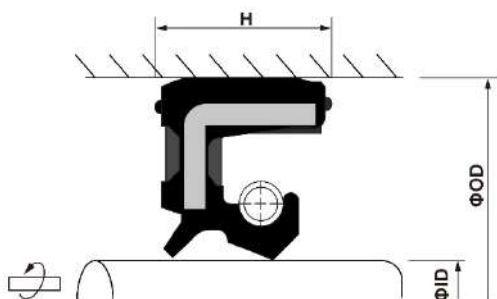
TCV OIL SEAL



APPLICATION		
MATERIAL	NBR+STEEL	FKM+STEEL
TEMP.	-15°C~80°C	-15°C~150°C
PRESSURE	3kgf/cm ²	3kgf/cm ²

ITEM	ID	OD	H	PART NO.
TCV-8	8	22	6/6.5	
TCV-12	12	22	8	
TCV-12	12	25	7	AP0382
TCV-14	14	28	7	AP0526
TCV-15	15	30	7	AP0598
TCV-16	16	28	7	AP0685
TCV-16	16	30	7	AP0687
TCV-17	17	28	8	
TCV-17	17	30	7/8	AP0743
TCV-17	17	32	8	AP0751
TCV-17	17	35	7	AP0759
TCV-17.45	17.45	30.15	7.95	AP0787E
TCV-18	18	30	6/6.5	
TBV-18	18	32	7.9	
TCV-19	19	31.7	5	
TCV-20	20	30	7	
TCV-20	20	35	8	AP1013
TCV-22	22	36	7	
TCV-22	22	42	7	AP1145
TCV-22	22	42	11	AP1148
TCV-22	22	47	8	
TCV-24	24	40	8	AP1260
TCV-25	25	38	7	
TCV-25.4	25.4	44.45	7.02	
TCV-28	28	40	6	
TCV-29.36	29.36	42.82	7.92	
TCV-30	30	42	6	
TCV-30	30	50	11	AP1709G
TCV-30	30	52	11	AP1723
TCV-31.75	31.75	44.45	6.35	
TCV-32	32	45	8	
TCV-32	32	52	11	AP1904
TCV-34.92	34.92	52	6/6.8	
TCV-34.92	34.92	57.15	8.3	
TCV-35	35	50	7	
TCV-35	35	55	11	AP2085H2
TCV-35	35	72	10	
TCV-35	35	72	12	
TCV-36.53	36.53	50.8	7.92	
TCV-38	38	58	11	
TCV-38.1	38.1	57.15	9.5/10.5	8100554

TCV OIL SEAL

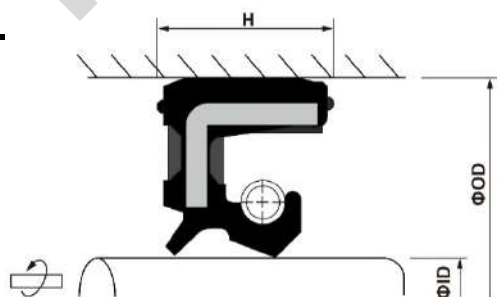


APPLICATION		
MATERIAL	NBR+STEEL	FKM+STEEL
TEMP.	-15°C~80°C	-15°C~150°C
PRESSURE	3kgf/cm ²	3kgf/cm ²

ITEM	ID	OD	H	PART NO.
TCV-40	40	62	11	AP2388F2
TCV-41.28	41.28	53.85	6.35	
TCV-42	42	62	7/7.9	
* TCV-42.8	42.8	63.5	7.94	
TCV-44.45	44.45	60	7/8	
TCV-45	45	55	7	
TCV-45	45	68	7	
TCVY-45	45	68	12/13	
TCV-45	45	80	5/7	
TCV-48	48	62	9	AP2775
TC6Y-48	48	73	12.5/15.	
TCV-50	50	72	7	
TCV-50	50	80	8	
TCVY-55	55	78	12/13	
TC6Y-55	55	78	9.5/11	XP0803E
TCV-60	60	78	9	AP3204F
TCV-60	60	80	7/8	
TCV-60	60	82	9	
TC6Y-60	60	82	10.5/11	
TCV-65	65	88	7	
TCV-65	65	90	10	
TCV-68	68	78	9	
TCV-69	69	90	10	
TCV-70	70	90	7	

TCV OIL SEAL

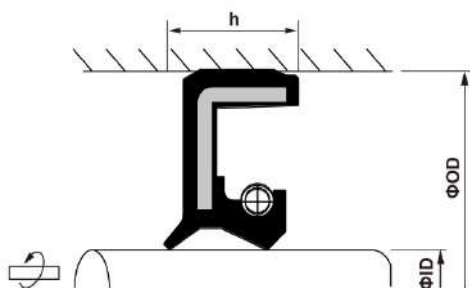
(INCH)



APPLICATION	
MATERIAL	FKM+STEEL
TEMP.	-15°C~150°C
PRESSURE	3kgf/cm ²

ITEM	ID	OD	H
TCV 1.156	1.156	1.686	0.312
TCV 1.432	1.432	1.875	0.25
TCV 1.432*2	1.432	2	0.312
TCV 1.625	1.625	2.12	0.25
TCV 1.625*2.375	1.625	2.375	0.375
TCV 1.495	1.495	2.24	0.315
TCV 1.875	1.875	2.5	0.313

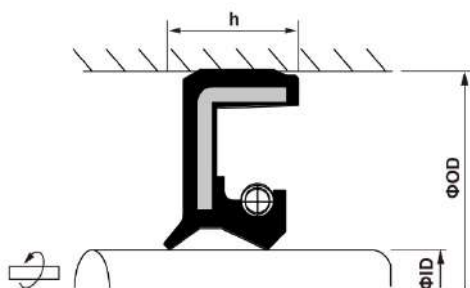
ISP1D OIL SEAL



APPLICATION		
MATERIAL	NBR+STEEL	FKM+STEEL
TEMP.	-15°C~80°C	-15°C~150°C
PRESSURE	3kgf/cm ²	3kgf/cm ²

ITEM	ID	OD	h	NBR	FKM
ISP1D-1.75	1.75	2.5	0.4		•
ISP1D-12.4	12.4	25.4	7.9/8.5	•	
ISP1D-014	14.0	25	7	•	
ISP1D-020	20.0	32	7/7.9	•	
ISP1D-022	22.0	32	7	•	•
ISP1D-022	22.0	36	10/11	•	
ISP1D-025	25.0	35	6/6.7	•	
ISP1D-025	25.0	42	6.5/7.3	•	
ISP1D-025	25.0	47	6	•	
ISP1D-027	27.0	42	7/7.5	•	
* ISP1D-028	28.0	40	6		
ISP1D-028	28.0	40	8/8.9	•	•
ISP1D-028.575	28.575	50.8	6.8/7.3		•
ISP1D-030	30.0	52	7	•	•
ISP1D-035	35.0	47	7/8	•	
ISP1D-035	35.0	50	8/9	•	
ISP1D-035	35.0	52	6/7	•	•
ISP1D-35	35.0	54	6/6.5		•
ISP1D-040	40.0	62	6/7	•	•
ISP1D-40	40.0	67	7/7.5		•
ISP1D-40	40.0	80	8/8.5		•
* ISP1D-042	42.0	62	7/7.9		
ISP1D-44.45	44.45	63.5	6/6.5		•
ISP1D-045	45.0	62	7/8		•
ISP1D-045	45.0	62	9/9.5	•	•
ISP1D-045	45.0	65	6/7		•
ISP1D-045	45.0	65	7/7.9	•	•
ISP1D-045	45.0	68	7		•
ISP1D-45	45.0	80	7/7.5		•
ISP1D-46	46.0	68	7		•
ISP1D-050	50.0	72	7/8	•	•
ISP1D-50	50.0	80	8	•	
ISP1D-052	52.0	72	7/8		•
ISP1D-55	55.0	70	7/7.5		•
ISP1D-055	55.0	70	8/8.5	•	•
ISP1D-055	55.0	72	9/10	•	
ISP1D-055	55.0	75	7/8		•
ISP1D-055	55.0	75	7/7.9	•	
ISP1D-055	55.0	78	8/9		•
* ISP1D-055	55.0	78	12/13		

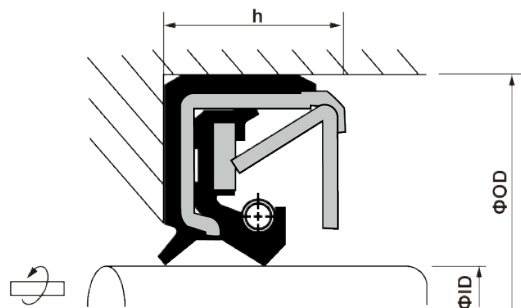
ISP1D OIL SEAL



APPLICATION		
MATERIAL	NBR+STEEL	FKM+STEEL
TEMP.	-15°C~80°C	-15°C~150°C
PRESSURE	3kgf/cm ²	3kgf/cm ²

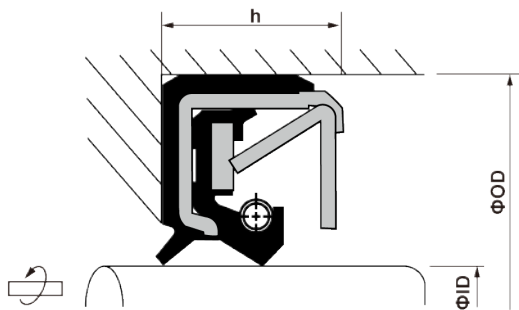
ITEM	ID	OD	h	NBR	FKM
* ISP1D-055	55.0	80	10/10.9		●
ISP1D-055	55.0	90	7		●
ISP1D-60	60.0	90	7/6		●
ISP1D-062	62.0	85	7/8	●	●
ISP1D-070	70.0	90	7	●	●
* ISP1D-090	90.0	110	7/8		●

(inch)					
ISP1D-1.75	1.75	2.5	2/5		



APPLICATION		
MATERIAL	NBR+STEEL	FKM+STEEL
TEMP.	-15°C~60°C	-15°C~150°C
PRESSURE	10kgf/cm ²	10kgf/cm ²

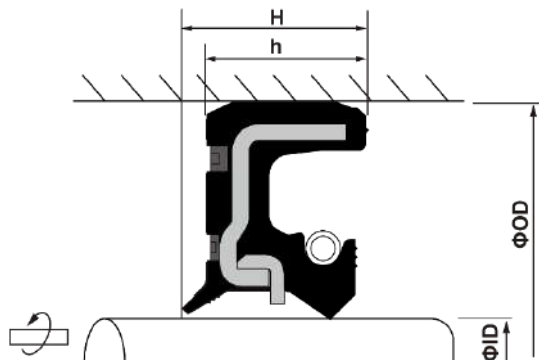
ITEM	ID	OD	h	NBR	FKM
TCN-20*40*11	20	40	11	●	
TCN-22*42*11	22	42	11	●	
TCN-25*45*11	25	45	11	●	●
TCN-25*45*12.5	25	45	12.5	●	●
TCN-28*48*11	28	48	11	●	
TCN-30*50*11	30	50	11	●	●
TCN-30*50*12.5	30	50	12.5	●	
TCN-32*52*11	32	52	11	●	●
* TCN-34*54*11	34	54	11		
TCN-35*55*11	35	55	11	●	●
TCN-35*55*12	35	55	12	●	●
TCN-35*60*15	35	60	15	●	●
TCN-38*58*11	38	58	11	●	●
TCN-40*60*12	40	60	12		●
TCN-40*62*11	40	62	11	●	●
TCN-40*62*12	40	62	12	●	●
TCN-42*65*12	42	65	12	●	●
TCN-45*68*12	45	68	12	●	●
TCN-48*70*12	48	70	12	●	●
TCN-50*72*12	50	72	12	●	●
TCN-52*75*9	52	75	9	●	
TCN-52*75*12	52	75	12	●	●
TCN-55*75*12	55	75	12		●
TCN-55*78*12	55	78	12	●	●
* TCN-55*78*16	55	78	16		
TCN-60*82*12	60	82	12	●	●
TCN-62*85*12	62	85	12	●	●
TCN-65*90*9	65	90	9	●	
TCN-65*90*13	65	90	13	●	●
* TCN-65*85*11	65	85	11		
TCN-68*90*14	68	90	14	●	●
TCN-70*95*13	70	95	13	●	●
TCN-72*95*13	72	95	13	●	●
TCN-75*95*11	75	95	11	●	
TCN-75*100*13	75	100	13	●	●
TCN-80*105*13	80	105	13	●	●
TCN-85*110*13	85	110	13	●	●
* TCN-90*110*10	90	110	10		
TCN-90*115*13	90	115	13	●	●
TCN-95*120*13	95	120	13	●	●



APPLICATION		
MATERIAL	NBR+STEEL	FKM+STEEL
TEMP.	-15°C~60°C	-15°C~150°C
PRESSURE	10kgf/cm ²	10kgf/cm ²

ITEM	ID	OD	h	NBR	FKM
TCN-100*125*13	100	125	13	●	●
TCN-105*135*14	105	135	14	●	●
TCN-110*140*14	110	140	14	●	●
TCN-115*145*14	115	145	14	●	
TCN-120*150*14	120	150	14	●	●
TCN-125*155*14	125	155	14	●	
TCN-130*160*14	130	160	14	●	
TCN-135*165*14	135	165	14	●	
TCN-140*170*14	140	170	14	●	
TCN-150*180*14	150	180	14	●	
TCN-170*200*16	170	200	16	●	
* TCN-190*225*16	190	225	16		
(INCH)					
TCN-1.375*2.25*0.312	1.375	2.25	0.312		●
TCN-1.5*2.25*0.375	1.500	2.25	0.375		●
TCN-1.75*2.5*0.374	1.750	2.50	0.374		●
* TCN-2.75*3.5*0.5	2.750	3.50	0.500		
TCN-33.02*72.29*9.5	33.02	72.29	9.500	●	●
TCNY-22*36*10	22	36	10	●	
TCNY-35*60*15	35	60	15	●	
TCNY-45*65*12	45	65	12	●	●
(INCH)					
TCNY-0.5*1.125*0.25	0.5	1.125	0.25	●	

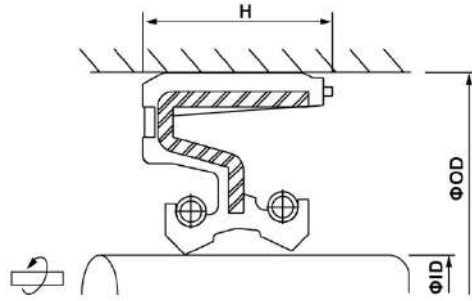
TCZ



APPLICATION		
MATERIAL	NBR+STEEL	FKM+STEEL
TEMP.	-15°C ~ 60°C	-15°C ~ 120°C
PRESSURE	20 kgf/cm ²	20 kgf/cm ²

ITEM	ID	OD	h	H	NBR	FKM
* TCZ-20	20	40	9	10.3		
TCZ-22	22	42	9	10.3	●	●
TCZ-25	25	45	9	10.3	●	●
TCZ-30	30	50	9	10.3	●	●
TCZ-32	32	52	9	10.3	●	●
TCZ-35	35	55	9	10.3	●	●
TCZ-40	40	62	9	10.3	●	●
TCZ-45	45	68	9	10.3	●	●
TCZ-50	50	72	9	10.3	●	●
TCZ-55	55	78	9	10.3	●	●
TCZ-60	60	82	9	10.3	●	●
* TCZ-65	65	90	9	10.3		
TCZ-28	28	48	10	11.4	●	●
(inch)						
TCZ-33.02	33.02	72.29	9.5		●	●
TCZ-2.75	2.75	3.5	0.5		●	●

DCY



APPLICATION		
MATERIAL	FKM+STEEL	NBR+STEEL
TEMP.	-15°C~150°C	-30°C~60°C
PRESSURE	0.3kgf/cm ²	0.3kgf/cm ²

ITEM	ID	OD	h	PART NO.
* DC-015	15	24	6(NBR)	
* DCY-012.5	12.5	26	7(NBR)	
* DCY-022	22	36	10/15(NBR)	
* DCY-028	28	40	8(NBR)	
DCY-040	40	50		
* DCY-041	41	54	11(NBR)	
DCY-045	45	68	12(FKM)	
DCY-055	55	78	12(FKM)	AW3055
DCY-060	60	82	12(FKM)	AW3222
* DCY-125	125	150	13.7(FKM)	
* DC4Y-041	41	53	8/10.5(NBR)	

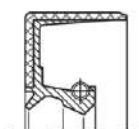
inch

DCY-3.5	3.5	4.5	0.52	
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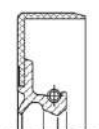
SWING SEAL



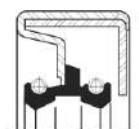
TAY



TB



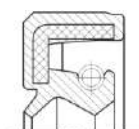
TB2



DA2



DB



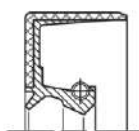
15Z

ITEM	ID	OD	H	MATERIAL	PART NO.	MODEL
TAY-120	120	150	16/18	NBR	BA3494	EX60
TAY-180	180	210	16/18	NBR	BA3366	EX120
TAY-195	195	225	16/18	NBR	BA3659E	EX400
TAY-230	230	260	16/18	NBR	BA4023	H-4187681(EX200-1)
TC6Y-055	55	78	9.5	NBR	XP0803E	K5V
TB-065*77	65	77	12	NBR		
TB-065	65	90	13	SIL	AD3409	
TB-070	70	92	12	SIL	AD3519	
TB-075	75	100	13	NBR	AD3618	
TB-080	80	105	13	NBR	AD3744	
TB-085	85	110	13	NBR	AD3842	PC60-6
TB2-090	90	115	14	NBR		
TB-095	95	120	13	NBR	AD3994	PC100-5
TB2-100	100	125	13	NBR	AD4063	PC60-5
TB2-100	100	125	14	NBR		
TB-105	105	135	14	NBR	AD4153	
TB2-110	110	140	14	NBR	AD4212	
TB2-115	115	145	14	NBR	AD4282	PC200-7
TB-120	120	150	14	NBR	AD4346	
TB2-120	120	155	18	NBR	AD4356	
TB2-125	125	155	14	NBR	AD4399	PC200-6
TB2-130	130	160	14	NBR	AD4451	
TB-140	140	170	14	NBR	AD4542	
TB2-145	145	170	13	NBR		
TB-145	145	175	14	NBR	AD4581	PC120-6
TB-150	150	180	14	NBR	AD4624	ZAX300-3
* TB-155	155	180	16	NBR	AD4667	
TB-160	160	190	16	NBR	AD4713	
* TB-170	170	200	16	NBR	AD4795	
TB-180	180	210	16	NBR	AD4898	
TB-190	190	225	16	NBR	AD4983	ZAX120
TB-220	220	250	16	NBR	AD5205	ZAX200/210
TB2-240	240	275	16	NBR	AD5346	ZAX230/240
TB2-280	280	320	22	NBR	AD5562	ZAX330/E325B
DA2-125	125	155	18	NBR	BW0760F	PC200-6
DA2-140	140	170	18	NBR	BW5669	PC300-7
DAY-230	230	260	21	NBR	BW6659	ZAX450

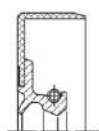
SWING SEAL



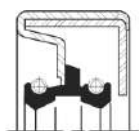
TAY



TB



TB2



DA2



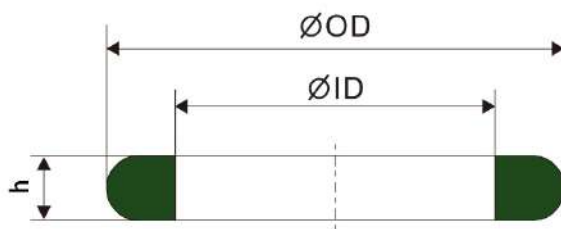
DB



15Z

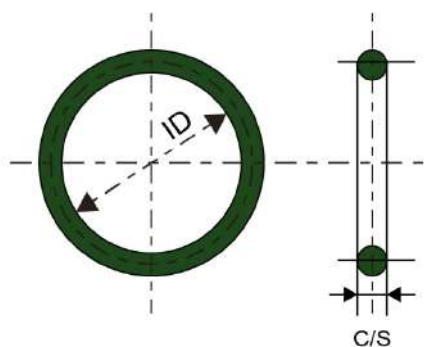
ITEM	ID	OD	H	MATERIAL	PART NO.	MODEL
DB-020	20	40	17	NBR		
* DB-048	48	70	18	NBR	07013-10048	
DB-070	70	95	20	NBR	07013-30070	
DB-075	75	100	20	NBR	07013-10075	
DB-080	80	105	20	NBR	07013-10080	
DB-090	90	115	20	NBR	07013-10090/20090/40090	
DB-090	90	120	18	NBR	6141-21-1332	
DB-100	100	125	20	NBR	07013-10100/BW4068	
DB-110	110	140	22	NBR	07013-20110	E200B
DB-120	120	150	22	NBR	AW4350F	
DB-140	140	170	20	NBR	BW4545	SK 120-3
DB-160	160	190	23	NBR	BW5073	SK 200
DB-200	200	230	16	NBR	BW5054	PC300/400
* DB-200	200	235	26	NBR	BW5180	
DB-232	232	267	21	NBR	BW4527	EX200/220-2/300-3/ZX200
* DB-240	240	275	21	FKM	BZ5284	ZAX850/870
DB-245	245	285	27	NBR	BW4815	SK300
DB-252	252	287	21	NBR	BW5856	ZX300/300-5
DB-260	260	300	28	NBR	BW4813	
DB-230	230	260	21	NBR	BW6659	ZAX450
DB2-122	122	152	21	NBR	BW4680E	EX 60/100-3/PC60-6
* DB2-122	122	155	21	NBR	BW4401E	
DB2-160	160	195	21	NBR	BW4528/4244691	EX100-2
DB2-190	190	225	21	NBR	BW4526EO	EX200-2
DB2-190	190	225	21	ACM	BW4526	
15Z-140	140	170	17	NBR		SK
15Z-150	150	180	15.2	NBR		SK
15Z-155	155	180	15	NBR		SK
15Z-160	160	190	16.5	NBR	2418 R245	SK200
15Z-160	160	190	24	ACM	2418 R259	SK200
19Z-74.8	74.8	90	6	NBR		
19Z-79.8	79.8	95	6	NBR		
31Z-66	66	79	12.5	NBR		
31Z-78	78	105	15.4	NBR		
* SC-140	140	170	12.5	NBR		
SC-165.1	165.1	190.5	13.5	NBR	BC5666	CAT330C

D-RING



ITEM	DESCRIPTION	MATERIAL	PART NO.	MODEL
DRP-148	133.5*148.9*7.7*4	ACM80/FKM	4179343/4252402	EX100
DRP-165	148.7*164.1*7.7*4	ACM80/FKM	4181548/4232766	EX120/200/220
DRP-180	166.3*181.7*7.7*4	ACM80/FKM	4193997/4252401	EX270/300
DRP-185	170*185.4*7.7*4	ACM80/FKM	4181547/4232767	EX200-2/3/5 EX220-2/3/5
DRP-200	187*202.4*7.7*4	ACM80/FKM	4193998/4252400	EX300-2/310
DRP-210	196.7*211.7*7.7*4	ACM80/FKM	4269474	EX300-3
DRP-375	367*384*5	FKM	421-33-11480	
DRP-411	406*423*5	FKM	421-33-11440	
DRI-070	70*80*5.7	PU GREEN	4092712	
DRI-090	90*100*5.7	PU GREEN	4150683	
DRI-110	110*120*5.7	PU GREEN	4292713	
DRI-118	118.6*129.3*5.7	PU GREEN		
DRI-120	120*130*5.7	PU GREEN	4150684	
DRI-125	125*135*5.7	PU GREEN	4117030	
DRI-148	148*158*6	PU GREEN	4117029	
DRI-185	185*192.2*5	PU GREEN	LAM 0058	SK300-2/3
DRI-202	202*209.2*5	PU GREEN	LAM 0059	
DRI-214	214.5*221.7*5	PU GREEN	2441U983S130	
DRI-233	233.9*241.1*5	PU GREEN	2441U984S42	
DRI-246	246*4.6	NBR	3014552	
DRI-160	160*169*3	PU BLUE	YN15V00037S135	SK200-8/SK210-8
DRI-180	180*189*3	PU BLUE	YN15V00037S139	SK200-8/SK210-8
DRI-171	171.1*180.1*3	PU BLUE	YN15V009S15	SK200-5/6
DRI-187	187*194.6*3.4	PU BLUE	YN15V003S15	SK200-5/6
DRI-200	200.5*207.7*3.53	PU BLUE		
DRI-216	216.2*223.4*3.53	PU BLUE	LS15V00004S053	SK350-8/SK460-8
G-195	194.3*5.7	PU BLACK	4468248	ZAX350-3 ZAX350-3G
G-210	209.3*5.7	PU BLACK	4468249	ZAX350-3 ZAX350-3G
BRY	14.5*23.9*3			UH07/UH081

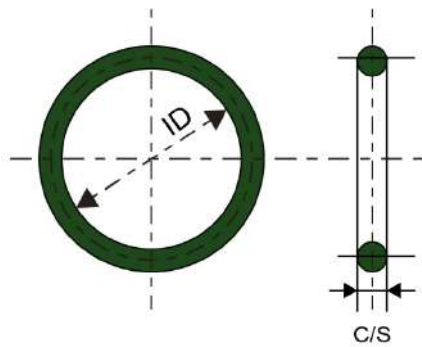
O-RING—POLYURETHANE O-RING



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

ITEM	ID	C/S	COLOUR
P-016	15.8	2.4	GREEN
P-018	17.8	2.4	GREEN
P-021	20.8	2.4	IVORY
P-022A	21.7	3.5	GREEN
P-025	24.7	3.5	GREEN
P-026	25.7	3.5	IVORY
P-028	27.7	3.5	GREEN
P-030	29.7	3.5	GREEN
P-032	31.7	3.5	GREEN,IVORY
P-035	34.7	3.5	GREEN
P-035.5	35.2	3.5	GREEN
P-038	37.7	3.5	GREEN
P-045	44.7	3.5	GREEN
P-048	47.7	3.5	GREEN
P-070	69.6	5.7	GREEN
P-080	79.6	5.7	GREEN
P-085	84.6	5.7	GREEN
P-090	89.6	5.7	GREEN
P-100	99.6	5.7	GREEN
P-110	109.6	5.7	GREEN
P-115	114.6	5.7	GREEN
P-120	119.6	5.7	GREEN
P-125	124.6	5.7	GREEN
P-130	129.6	5.7	GREEN
P-135	134.6	5.7	GREEN
P-140	139.6	5.7	GREEN
P-150	149.6	5.7	GREEN
G-030	29.4	3.1	BLUE
G-035	34.4	3.1	GREEN
G-040	39.4	3.1	GREEN
G-045	44.4	3.1	IVORY
G-060	59.4	3.1	GREEN
G-066	65.4	3.1	IVORY
G-080	79.4	3.1	GREEN
G-085	84.4	3.1	GREEN
G-130	194.3	5.7	

O-RING—POLYURETHANE O-RING



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

ITEM	ID	C/S	COLOUR
G-195	194.3	5.7	BLACK
G-210	209.3	5.7	BLACK
AS-008	4.47	1.78	IVORY,GRAY
AS-009	5.28	1.78	IVORY,GRAY
AS-010	6.07	1.78	IVORY,GRAY
AS-016	15.6	1.78	IVORY
AS-120	25.07	2.62	IVORY
AS-213	23.39	3.53	IVORY
AS-230	63.10	3.53	IVORY
AS-333	62.87	5.33	IVORY
AS-345	100.96	5.33	IVORY
AS-347	107.32	5.33	IVORY
AS-348	110.49	5.33	IVORY
AS-350	116.84	5.33	IVORY
mm	14.5	2.5	BLUE
mm	75	3	IVORY
mm	53.4	3.8	IVORY
mm	47	5	GREEN
* mm	70	5	GREEN
mm	90	5	GREEN
mm	76	8	GREEN
mm	86	8	GREEN
mm	112	8	GREEN

CONTROL VALVE SEAL



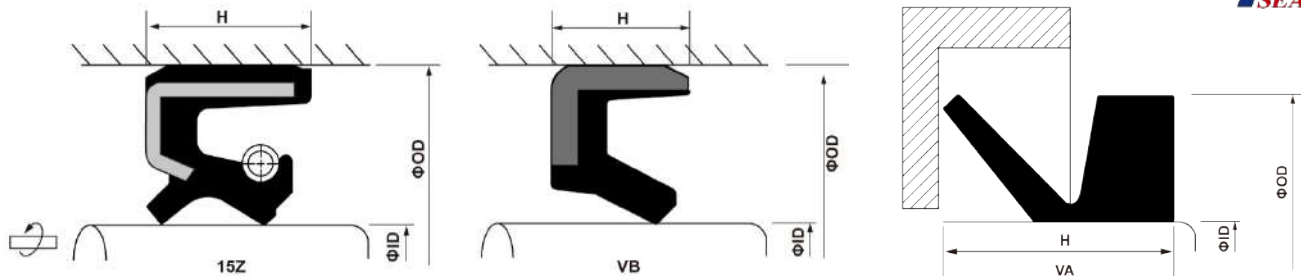
ITEM	ID	OD	H	MATERIAL	PART NO.	MODEL
TC4WY	9	20.2	6/7	NBR	CU2323	MS180
TC4WY	12.0	24	2/7	NBR	AR0378	PC200-1/3/5/6
TC4WY	12	25	1.5/7	NBR	AR01208	
TC4WY	14.0	25	2.1/5.9	NBR	BR2834E	PC60-3
TC4WY	15	27	2.2/6.8	NBR	AR0591	
TC4WY	15.8	30.5	2.9/6.7	NBR	BR2398E	
TC4WY	19	35	2.3/7	NBR	AR0874	PC120-5
TC4WY	20.0	32.2	2/7	NBR	BR2592	
TC4WY	21.4	34.8	2/6.4	NBR	CU2416J	PC 200-3
TC4WY	22.0	34	2.1/6.2	NBR	BR3393EX	
TC4WY	22.0	40	2.5/7	NBR	AR8510E AR02203	PC200-5
TC4WY	26.0	38.6	2.4/6.3	NBR	CU2415J	MS180-1-2
TC4WY	26.0	44	2.5/7	NBR	BR2511-E AR02601	PC300-5
LBH	15.0	19	4.8/5.8	NBR	770220003	UNIC CRANES
LBH	15.0	20	4.8/5.5	NBR	22N57-33561	
KCY-18	18.0	30	3.6/4.5	NBR		
X-117	20.29		2.62	NBR		TOYOTA 4T
KCY-22(LPY)	22.0	34.5	2/5.7	NBR		MS-120-8
X-212	21.82		3.53	NBR		
KCY-25	25.0	37.8	2/5.5	NBR	AR02501	UH081,UH07-5
X-214(X-081-25)	25.0			NBR		
KCY-29(LPY28*41)	29.0	40.8	2/5.5	NBR	AR02901	MS180-8 HD880
X-216(X-028)	28.0			NBR		
KYB-12-POK	12.0	16	2.5/3.3	POK		
KYB-16-POK	16.0	22.0	3.8	POK	21111-33001	EX60
KYB-16-1POK	16.0	20	1.8/3.1	POK		
KYB-16-NBR	16.0	22	3.5	NBR	21111-30301	
KYB-19-1POK	18.7	24.7	3.4/5.8	POK		MS110
O-RING	18.6			NBR		
KYB-19-NY	18.7	24.9	1.8/4	NY		MS120
KYB-19U	17.5			NBR		
KYB-22-POK	21.8	28.2	4.8	POK		LS2600FJ2
KYB-22-NBR	21.6	29.8	4.8	NBR		
KYB-25-POK	25.0	31.0	2.5/5.7	POK		SK07,LS2800EJ
KYB-25-NBR	24.9	32.7	4.1	NBR		
KYB-28-POK	28	34	2.9/5.8	POK	210-11-62203	UH07-7,083,09-7,143
KYB-28-NBR	27.6	34	4.5	NBR	210-11-62402	
KYB-31-POK	31	37	2.5/5.7	POK	211-11-63203	LS4300EJ
KYB-31-NBR	30.7	38.5	4.1	NBR	211-11-62104	
KYB-35-POM	34.7	42.4	1.1/3.7	POM		
KYB-35-NBR	33.7	43.7	5	NBR		
SVI 14	14.0	22	5.7	PU		
SVI 19	19.0	27	6	PU		
KYB-19	19.0	27	4.7	NBR90		
	33.2		2.4	4F	723-56-31730	PC130, PC160, PC190
	42.2		2.4	4F	723-56-31720	PC130, PC160, PC190

PILOT VALVE SEAL



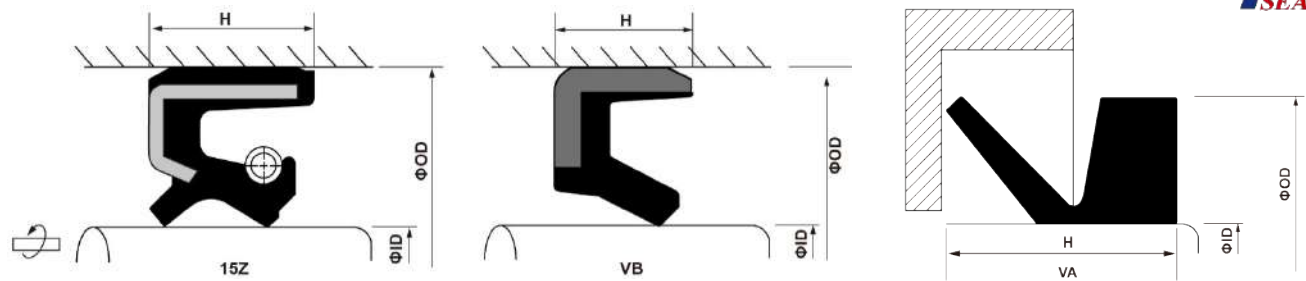
ITEM	ID	OD	H	MATERIAL	PART NO.	MODEL
MUNI-13+PPY-13 (DPKI-13+RUS-13) EX200-1 PILOT VALVE SEALKIT						
RUS-13	13	19	4	PU+NBR	4240151	EX200-1
RUS-12	12	18	3.5	PU+NBR		
DPKI-13	13	19	4/4.5	PU+STEEL	4191490/4240150	EX200-1
USH-13	13	19	4.5	NBR		
USH-14	14	20	3.5	NBR		SK200-8
ISI-10	10	16	4.5	PU		
PS-10	10	13	2	NBR	211700	S220LC-III S280LC-III
PS-12	12	16	2.9	NBR		
MYA-10	10	13	2.1	NBR		
MYA-10A	10	14	2.8	NBR		LS
MYA-12	12	16	2.8	NBR		DH200-2/5
LBH-10	10	16	3.7/5.5	NBR	0870102	
LBH-10	10	17	5/6.5	NBR	4447050	
LBH-12	12	20	4/5.5	NBR	119-5389 8230-3250	VOLVO
LBH-13	13	20	5/6.5	NBR	4276152 4476342	EX200-2
LBH-10	10	16	4/5.5	PU		
LBH-13	13	20	5/6.5	PU		
LBH-12	12	20	3.8/5.5	PU	1195389	
SER-10A	10	14	3/3.9	NBR		325
SER-12	12	16	2.9/3.9	NBR		PC200-3/5
SER-16	16	20	2.9/3.9	NBR		
KFY-10	10	17.5	5/6.5	NBR+STEEL	4477852	ZAX200
TC45Y	12	21.6/24	7/8.5	NBR+STEEL	BR6778E	PC200-1/E200-7
WIPER-009	9.4	17	4.1	NBR		SK200-8
WIPER-014	14	19	1/3.5	NBR		SK200-8
WIPER-014	14	19	2.2/3.2	NY		
NY(DSW)-016	16	20	3/4	NY		
UPI type	10	15	3.5	PU		950F
PCR type				NBR	1473601	924F
UR-P21	10	13.65	2.5	PU		
UR-P21	10	14	2.3	NBR	UR-P21	E200B,HD700,SK,LS
1P-3702				NBR	1P-3702	E320B
1P-3703				NBR	1P-3703	E320B

CENTER JOINT SEAL



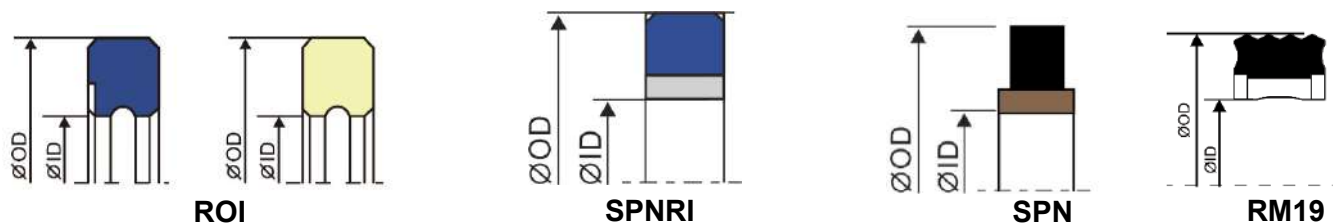
ITEM	ID	OD	H	MATERIAL	MODEL
15Z-020	20	35	8	NBR+STEEL	
15Z-020	20	40	10	NBR+STEEL	
15Z-022	22	42	10	NBR+STEEL	
15Z-025	25	42	10	NBR+STEEL	
15Z-025	25	45	10	NBR+STEEL	
15Z-028	28	48	10	NBR+STEEL	
15Z-030	30	50	10	NBR+STEEL	
15Z-032	32	52	11	NBR+STEEL	
15Z-035	35	55	10	NBR+STEEL	
15Z-038	38	58	10	NBR+STEEL	
15Z-045	45	68	12	FKM+STEEL	
15Z-080	80	100	10	NBR+STEEL	PC-120-5
15Z-090	90	110	10	NBR+STEEL	PC-200
VA-060	54	64	9	NBR	
VA-065	58	68	9	NBR	
VA-070	63	75	11	NBR	
VA-075	67	79	11	NBR	
VA-080	72	84	11	NBR	
VA-085	76	88	11	NBR	
VA-090	81	93	11	NBR	
VA-095	85	97	11	NBR	
VA-100	90	102	11	NBR	
VA-110	99	113	12.8	NBR	
VA-120	108	122	12.8	NBR	
VA-130	117	131	12.8	NBR	
VA-140	126	140	12.8	NBR	
VA-150	135	149	12.8	NBR	
VB-060	60	70	5	NBR+STEEL	
VB-070	70	80	5	NBR+STEEL	
VB-075	75	85	5	NBR+STEEL	
VB-080	80	90	5	NBR+STEEL	SK200
VB-115	115	135	6	NBR+STEEL	EX-60
VB-120	120	135	7	NBR+STEEL	PC200-7
VB-125	125	140	7	NBR+STEEL	EX200-1/4195898
VB-155	155	170	7	NBR+STEEL	EX400
PC5-45	45	57	7.5	NBR	
PC5-60	60	72	8.5	NBR	
PC5-65	65	77	6	NBR	

CENTER JOINT SEAL



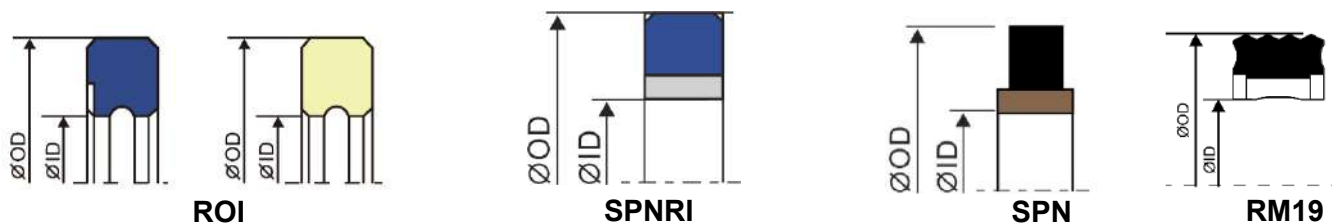
ITEM	ID	OD	H	MATERIAL	MODEL
PC5-90	90	102	8.5	NBR	
PC5-95	95	107	7.5	NBR	
PC5-95	95	112	10	NBR	
PC5-110	110	130	10	NBR	
PC5-115	115	135	10	NBR	
PC5-130	130	150	10	NBR	
PC5-150	150	170	10	NBR	
PC5-180	180	200	10	NBR	
PC5-220	220	245	12.5	NBR	

CENTER JOINT SEAL



ITEM	ID	OD	H	MATERIAL	MODEL
ROI-45	45	53	3.8	PU	
ROI-60	60	70	5	PU	
ROI-65	65	75	5	PU	
ROI-70	70	80	5	PU	
ROI-75	75	85	5	PU	
ROI-80	80	90	5	PU	
ROI-90	90	100	5	PU	4176480
ROI-95	95	105	5	PU	
ROI-100	100	110	5	PU	4165697
ROI-105	105	115	5	PU	
ROI-110	110	120	5	PU	
ROI-115	115	125	5	PU	
ROI-120	120	130	5	PU	
ROI-125	125	135	5	PU	
ROI-130	130	140	5	PU	
ROI-130	130	141.3	4.4	PU	
ROI-140	140	150	5	PU	
ROI-150	150	157	4	PU	
ROI-150	150	160	5	PU	
SPN-54	54	62	3.2	NBR+PTFE	
SPN-80	80	90	4.0	NBR+PTFE	
SPN-70	70	80	4.8	NBR+PTFE	
SPN-80	80	90	4.9	NBR+PTFE	SK200
SPN-90	90	100	4.9	NBR+PTFE	
SPN-95	95	105	4.9	NBR+PTFE	
SPN-100	100	110	4.9	NBR+PTFE	
SPN-110	110	120	4.9	NBR+PTFE	
SPN-115	115	125	4.9	NBR+PTFE	
SPN-120	120	130	4.9	NBR+PTFE	
SPN-125	125	135	4.9	NBR+PTFE	
SPN-130	130	140	4.9	NBR+PTFE	
SPN-160	160	172	5.3	NBR+PTFE	
SPN-80	80	90	6	NBR+UPE	
SPN-55	55	65	6.5	NBR+PTFE	
SPN-55	55	64	5	NBR+PTFE	
SPNRI-75	75	85	4.5	PU+NY	
SPNRI-80	80	90	4.5	PU+NY	703-08-95620
SPNRI-90	90	100	4.5	PU+NY	703-09-95610
SPNRI-95	95	105	4.5	PU+NY	

CENTER JOINT SEAL



ITEM	ID	OD	H	MATERIAL	MODEL
SPNRI-100	100	110	4.5	PU+NY	703-10-95130
SPNRI-110	110	120	4.5	PU+NY	703-10-95120
SRN-45	45	56	4.2	POK+NBR	
SRN-50	50	60	5.0	NBR+PTFE	
SRN-60	60	70	5.0	NBR+PTFE	
SRN-70	70	80	5.0	NBR+PTFE	
SRN-80	80	90	5.0	NBR+PTFE	
SRN-90	90	100	5.0	NBR+PTFE	
SRN-95	95	105	5.0	NBR+PTFE	
SRN-100	100	110	5.0	NBR+PTFE	
SRN-120	120	130	5.0	NBR+PTFE	
SRN-125	125	135	5.0	NBR+PTFE	
SRN-130	130	140	5.0	NBR+PTFE	
SRN-150	150	160	5.0	NBR+PTFE	
YOI-042	42	52	5	PU+PTFE	
YOI-100	100	110	4	PU+PTFE	
YOR-080	80	90	4	NBR+PTFE	
YOR-01 (INCH)	1	1.23	0.144	NBR+PTFE	
D-90	90	105	6	NBR+PTFE	HD900
UHS-090	90	105	9	PU	
LPI-080	80	93	7/9.5	PU	
LPI-090	90	103	7/9.5	PU	
PPY-90	90	100	4.4	PU	EX200-2
ORI P-080	79.6	91	5.7	PU GREEN	
ORI P-090	89.6	101	5.7	PU GREEN	
ORI P-100	99.6	111	5.7	PU GREEN	
SPG-205	215	205	5	NBR+PTFE	
DRP-055	49.5	56.3	2.1	ACM80	KAW
New RM19-95	95	112	10		

PETSEALS SEAL KITS



Available positions: boom, arm, bucket, travel motor, swing motor, adjuster, center joint, main pump, pilot valve

CATERPILLAR	KOMATSU	HITACHI
416C/D	D31-18	EX60-1/2/3
428/428D	D80-85/D85-18/D85A-18	EX100-1/2
	D155A-3/D155AX-3/ D155AX-5 LIFT	EX100M-5
E70B	D275A-5	EX120-1/5
E120B		EX200-1/2/3/5/6
E200B	PC100-1/2/3/5/6	EX220-1/2/3/5/6
E300	PC120-3/5/6/7	EX270
E311B	PC128	EX300-1/2/3/5
E312	PC130-6/8	EX400-1
E313B	PC138	EX450
E320/320B/C/D	PC150-3/5	
E325/325B/C	PC160-7	ZAX110
E330/330B/BL/C/D	PC200-1/2/3/5/6/7/8	ZAX120
	PC220-1/2/3/5/6/8	ZAX200/3/5/8
910	PC228US-1T/UU	ZAX210/LC
916/G916	PC25-1	ZAX210-3
931/931B/C	PC300-1/3/5/6/7	ZAX230-1
950/950B/E	PC350-7	ZAX240-1/3/LC
966/966C/D	PC400-5/6/7	ZAX260
	PC40-7	ZAX270
	PC60-1/2/3/5/6/7	ZAX280
	PW100-3	ZAX330-1/3
MITSUBISHI	WA180-3	ZAX350-1/3
MS120-1/2/8	WA450-1/2/3	ZAX360LC-3
MS180-2/3/8	WA470-1	ZAX400-3/5
	WA500-1	ZAX450
	Brake pump seal kit	UH10
	HD 325-6/405-6/605-7/465-7	UH025-7
		UH045-7
		UH063
		UH081/83
		HPV090
		HPV095

More seal kits to be sorted out from 40000 items upon request in short time

All manufacturer's names, part numbers and descriptions are used for reference purposes only. We do not imply that any part shown is the product of these manufacturers.

PETSEALS SEAL KITS



Available positions: boom, arm, bucket, travel motor, swing motor, adjuster, center joint, main pump, pilot valve

KOBELCO	VOLVO	HYUNDAI
SK07-N2	EC135B	R55-7
SK60-5	EC140B	R60-5/7
SK100-3/5	EC160B	R140-7
SK120-1/2/3/5/6	EC210/B/C	R200-1/5/7
SK125	EC240/EC240B	R210-3/5
SK200-1/2/3/5/6/6E/7/8	EC290	R215-7
SK210-6E/8	EC290B	R220-5
SK220	EC330B	R225-7
SK230-6E	EC330C	R300-5
SK300-2/3/6E	EC360	R320-7
SK310-1/5	EC460B	R360-7
SK330-6E	EW180B	
SK350LC-8	L70	
SK400-3	L90/B/C	
SK904-1/3	L120/B/C/D	
	L150/C	
	Main pump kit 6211660	
SUMITOMO	POCLAIN	DAEWOO
LS2600		DH55V
LS2600F-2		DH130-5
LS2650FJ-2	CK90	DH150-7
LS2800FJ-2		DH220-3
S265		DH220LC-5
SH60		DH225-7
SH120		DH280-3
SH135U-21		DH300-5
SH200-1/2/A3		
	JCB	KATO
	214	HD220-5
	215S	HD450-5/7
	2CX	HD450SE-5
	3CX	HD512
	3D	HD700-7
		HD700SE-7
		HD700V/VII
		HD820-1/3
		HD1250
		HD1250V/VII
		HD1430

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