ASAHI

Cat. No.BE15

JQA−1973
JQA-EM4783

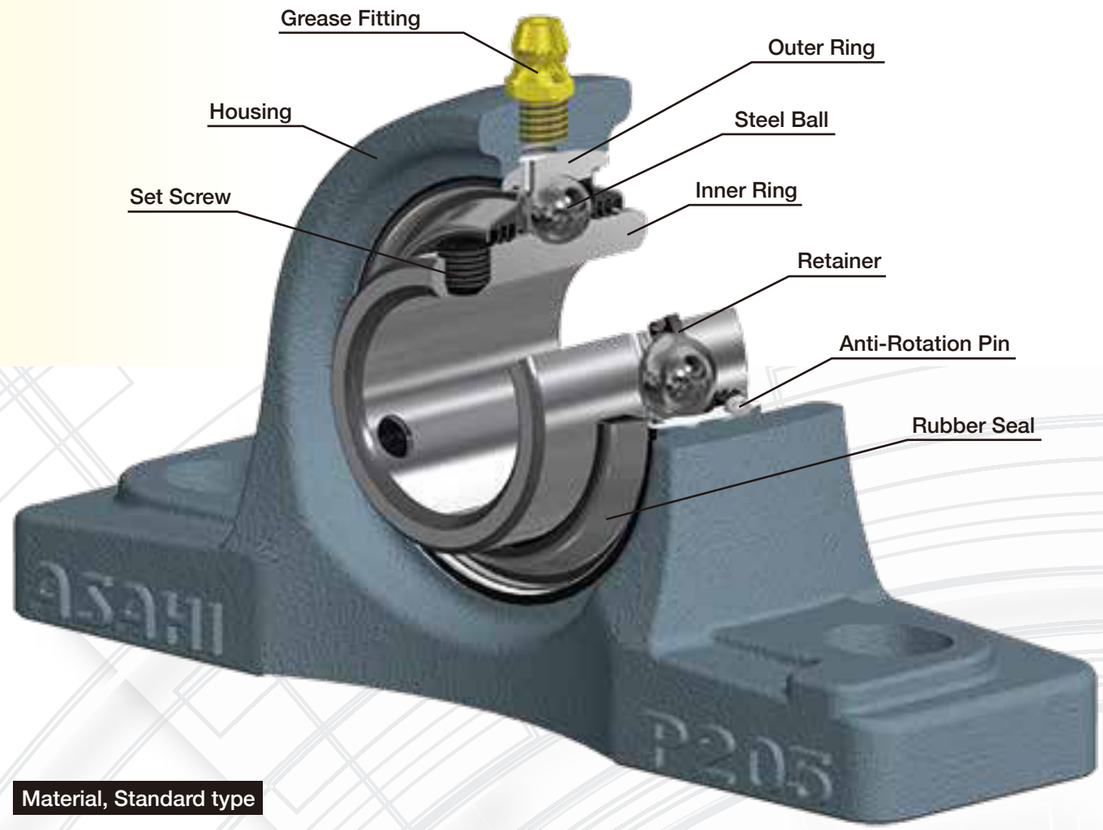
New Triple-lip design
Stainless steel backing plate!!



Insert Ball Bearing Units with Triple-Lip Seals

ASAHI SEIKO CO., LTD.

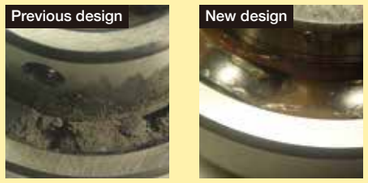
Insert Ball Bearing Units with Triple-Lip Seals
Excellent dustproof and moisture proof efficiencies
Realizing Compact machine design and Longer life



1 Excellent dustproof and moisture proof efficiencies

By improving design of triple-lip seal, longer life is realized; more than 2 times than the previous triple-lip seal, and more than 5 times than the standard seal

Sealing efficiency to powder dust



Operating length 1,450h (Locked)
<<< Operating length 3,000h (Stopped as planned)

※by our own test method

Sealing efficiency to muddy water



	Operating length until stopped
Standard type	335h (large vibration)
With new triple-lip seals	2,220h (large vibration)

※by our own test method
※The test was done with no relubrication, so longer life is expected by regular relubrication

2 Seal backing metal is made of Stainless Steel

All Stainless Steel bearing insert is available by adopting the new triple-lip seal



3 Reducing maintenance cost

Longer life reduces maintenance cost and improve operating ratio

4 Making machine design compact

The new triple-lip seal makes cover type units replaceable depending on operating condition

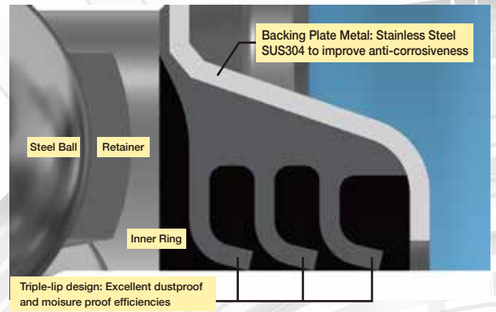
5 Replaceable from standard units

Special Specifications

Seal-backing metal is made of stainless steel, so all stainless bearing insert is available as MUC200V-RT by incorporating the new triple-lip seals and filling food-grade grease. Also other combinations than with UC200 set-screw locking type are possible such as with UK200 adapter locking type or with UG200 eccentric collar locking type. Please contact ASAHI for details.

Material, Standard type

Component Parts		Material
Insert Bearing	Inner/Outer Ring	High Carbon Chrome Bearing Steel - SUJ
	Steel Ball	High Carbon Chrome Bearing Steel - SUJ
	Retainer	Cold Rolled Steel Plate - SPCC
	Rubber Seal	Nitril Rubber - NBR
	Seal Backing Metal	Stainless Steel - SUS304
	Anti-Rotation Pin	High Carbon Chrome Bearing Steel - SUJ
	Grease	Alvania Grease S3
Housing		Grey Cast Iron - FC200
Grease Fitting		Copper alloy



※For size No.201 thru 204 (shaft size 12 mm thru 20 mm), only double-lip seals are available.

Operating Temperature Range

Recommendable operating temperature range is normal to +100°C

Limiting Speed

"Limiting Speed : Limiting dn value 30,000
d: I.D.(mm), n: RPM (r/min)
UC201RD thru UC204RD - Allowable Rotation Speed : 2,500r/min

Relubrication

Bearings are pre-lubricated,
so please relubricate basically same grease as the prelubricated one

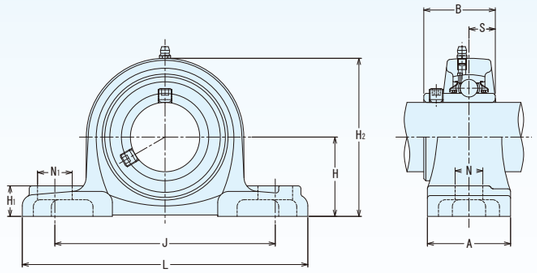
Application Examples

- Steel facilities
- Water and sewage processing equipments
- Garbage disposal equipments
- Aglicaltural machineries
- Food processing machineries

PILLOW BLOCK UNITS

Double-lip seal type
UCP201～204RD

Triple-lip seal type
UCP205～213RT

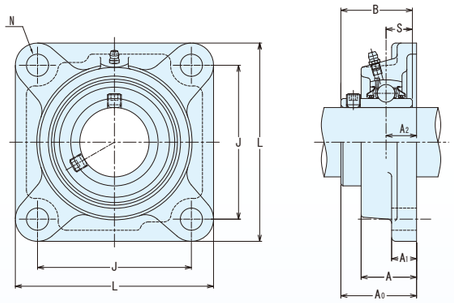


Shaft dia. (mm)	Unit No.	Dimensions(mm)										Bolt Size	Insert Bearing			Housing No.	Weight (kg)
		H	L	A	J	N	N_1	H_1	H_2	B	S		Bearing No.	Basic Load Rating(kN) Cr	Cor		
12	**UCP201RD**	30.2	127	38	95	13	19	15	62	31	12.7	M10	UC201RD	12.8	6.6	P203	0.65
15	**UCP202RD**	30.2	127	38	95	13	19	15	62	31	12.7	M10	UC202RD	12.8	6.6	P203	0.63
17	**UCP203RD**	30.2	127	38	95	13	19	15	62	31	12.7	M10	UC203RD	12.8	6.6	P203	0.62
20	**UCP204RD**	33.3	127	38	95	13	19	15	65	31	12.7	M10	UC204RD	12.8	6.6	P204	0.65
25	**UCP205RT**	36.5	140	38	105	13	16	16	70	34.1	14.3	M10	UC205RT	14	7.9	P205	0.79
30	**UCP206RT**	42.9	165	48	121	17	21	18	83	38.1	15.9	M14	UC206RT	19.6	11.3	P206	1.26
35	**UCP207RT**	47.6	167	48	127	17	21	19	94	42.9	17.5	M14	UC207RT	25.9	15.4	P207	1.59
40	**UCP208RT**	49.2	184	54	137	17	25	19	100	49.2	19	M14	UC208RT	29.3	17.9	P208	1.92
45	**UCP209RT**	54	190	54	146	17	22	20	108	49.2	19	M14	UC209RT	33	20.5	P209	2.19
50	**UCP210RT**	57.2	206	60	159	20	25	22	114	51.6	19	M16	UC210RT	35.5	23.2	P210	2.59
55	**UCP211RT**	63.5	219	60	171	20	25	22	126	55.6	22.2	M16	UC211RT	43	29.4	P211	3.3
60	**UCP212RT**	69.8	241	70	184	20	25	25	138	65.1	25.4	M16	UC212RT	52.5	36.1	P212	4.7
65	**UCP213RT**	76.2	265	70	203	25	29	27	150	65.1	25.4	M20	UC213RT	57.5	40	P213	5.6

FOUR-BOLT FRANGE UNITS

Double-lip seal type
UCF201～204RD

Triple-lip seal type
UCF205～213RT

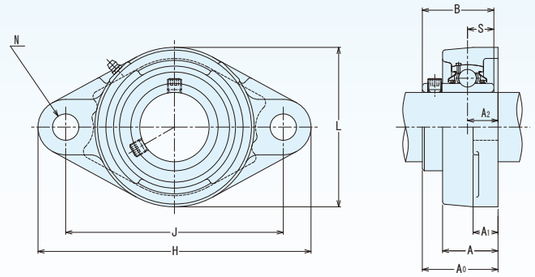


Shaft dia. (mm)	Unit No.	Dimensions(mm)									Bolt Size	Insert Bearing			Housing No.	Weight (kg)
		L	A	J	N	A_1	A_2	A_0	B	S		Bearing No.	Basic Load Rating(kN) Cr	Cor		
12	**UCF201RD**	86	25.5	64	12	12	15	33.3	31	12.7	M10	UC201RD	12.8	6.6	F204	0.63
15	**UCF202RD**	86	25.5	64	12	12	15	33.3	31	12.7	M10	UC202RD	12.8	6.6	F204	0.61
17	**UCF203RD**	86	25.5	64	12	12	15	33.3	31	12.7	M10	UC203RD	12.8	6.6	F204	0.60
20	**UCF204RD**	86	25.5	64	12	12	15	33.3	31	12.7	M10	UC204RD	12.8	6.6	F204	0.58
25	**UCF205RT**	95	27	70	12	14	16	35.8	34.1	14.3	M10	UC205RT	14	7.9	F205	0.72
30	**UCF206RT**	108	31	83	12	14	18	40.2	38.1	15.9	M10	UC206RT	19.6	11.3	F206	1.01
35	**UCF207RT**	117	34	92	14	16	19	44.4	42.9	17.5	M12	UC207RT	25.9	15.4	F207	1.38
40	**UCF208RT**	130	36	102	16	16	21	51.2	49.2	19	M14	UC208RT	29.3	17.9	F208	1.77
45	**UCF209RT**	137	38	105	16	18	22	52.2	49.2	19	M14	UC209RT	33	20.5	F209	2.07
50	**UCF210RT**	143	40	111	16	18	22	54.6	51.6	19	M14	UC210RT	35.5	23.2	F210	2.36
55	**UCF211RT**	162	43	130	19	20	25	58.4	55.6	22.2	M16	UC211RT	43	29.4	F211	3.4
60	**UCF212RT**	175	48	143	19	20	29	68.7	65.1	25.4	M16	UC212RT	52.5	36.1	F212	4.02
65	**UCF213RT**	187	50	149	19	20	30	69.7	65.1	25.4	M16	UC213RT	57.5	40	F213	4.98

TWO-BOLT FLANGE UNITS

Double-lip seal type
UCFL201～204RD

Triple-lip seal type
UCFL205～213RT

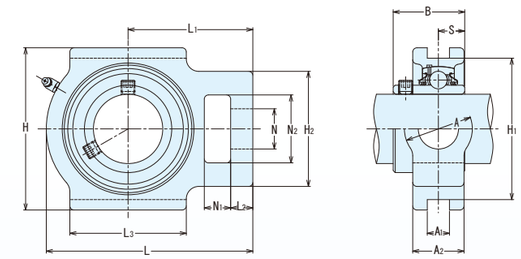


Shaft dia. (mm)	Unit No.	Dimensions(mm)										Bolt Size	Insert Bearing			Housing No.	Weight (kg)
		H	L	A	J	N	A_1	A_2	A_0	B	S		Bearing No.	Basic Load Rating(kN) Cr	Cor		
12	**UCFL201RD**	113	60	25.5	90	12	12	15	33.3	31	12.7	M10	UC201RD	12.8	6.6	FL204	0.47
15	**UCFL202RD**	113	60	25.5	90	12	12	15	33.3	31	12.7	M10	UC202RD	12.8	6.6	FL204	0.45
17	**UCFL203RD**	113	60	25.5	90	12	12	15	33.3	31	12.7	M10	UC203RD	12.8	6.6	FL204	0.44
20	**UCFL204RD**	113	60	25.5	90	12	12	15	33.3	31	12.7	M10	UC204RD	12.8	6.6	FL204	0.42
25	**UCFL205RT**	130	68	27	99	16	14	16	35.8	34.1	14.3	M14	UC205RT	14	7.9	FL205	0.59
30	**UCFL206RT**	148	80	31	117	16	14	18	40.2	38.1	15.9	M14	UC206RT	19.6	11.3	FL206	0.90
35	**UCFL207RT**	161	90	34	130	16	16	19	44.4	42.9	17.5	M14	UC207RT	25.9	15.4	FL207	1.2
40	**UCFL208RT**	175	100	36	144	16	16	21	51.2	49.2	19	M14	UC208RT	29.3	17.9	FL208	1.51
45	**UCFL209RT**	188	108	38	148	19	18	22	52.2	49.2	19	M16	UC209RT	33	20.5	FL209	1.9
50	**UCFL210RT**	197	115	40	157	19	18	22	54.6	51.6	19	M16	UC210RT	35.5	23.2	FL210	2.2
55	**UCFL211RT**	224	130	43	184	19	20	25	58.4	55.6	22.2	M16	UC211RT	43	29.4	FL211	3.2
60	**UCFL212RT**	250	140	48	202	23	20	29	68.7	65.1	25.4	M20	UC212RT	52.5	36.1	FL212	4.1
65	**UCFL213RT**	258	155	50	210	23	24	30	69.7	65.1	25.4	M20	UC213RT	57.5	40	FL213	5.1

TAKE-UP UNITS

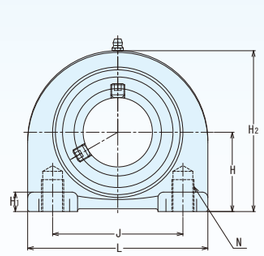
Double-lip seal type
UCT201～204RD

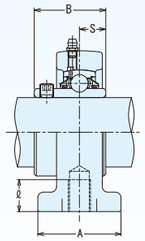
Triple-lip seal type
UCT205～213RT



Shaft dia. (mm)	Unit No.	Dimensions(mm)														Insert Bearing			Housing No.	Weight (kg)
		A	A_1	A_2	H	H_1	H_2	L	L_1	L_2	L_3	N	N_1	N_2	B	S	Bearing No.	Basic Load Rating(kN) Cr	Cor		
12	**UCT201RD**	32	12	21	89	76	51	94	61	10	51	19	16	32	31	12.7	UC201RD	12.8	6.6	T204	0.79
15	**UCT202RD**	32	12	21	89	76	51	94	61	10	51	19	16	32	31	12.7	UC202RD	12.8	6.6	T204	0.77
17	**UCT203RD**	32	12	21	89	76	51	94	61	10	51	19	16	32	31	12.7	UC203RD	12.8	6.6	T204	0.76
20	**UCT204RD**	32	12	21	89	76	51	94	61	10	51	19	16	32	31	12.7	UC204RD	12.8	6.6	T204	0.74
25	**UCT205RT**	32	12	24	89	76	51	97	62	10	51	19	16	32	34.1	14.3	UC205RT	14	7.9	T205	0.82
30	**UCT206RT**	37	12	28	102	89	56	113	70	10	57	22	16	37	38.1	15.9	UC206RT	19.6	11.3	T206	1.3
35	**UCT207RT**	37	12	30	102	89	64	129	78	13	64	22	16	37	42.9	17.5	UC207RT	25.9	15.4	T207	1.6
40	**UCT208RT**	49	16	33	114	102	83	144	88	16	83	29	19	49	49.2	19	UC208RT	29.3	17.9	T208	2.4
45	**UCT209RT**	49	16	35	117	102	83	144	87	16	83	29	19	49	49.2	19	UC209RT	33	20.5	T209	2.4
50	**UCT210RT**	49	16	37	117	102	83	149	90	16	86	29	19	49	51.6	19	UC210RT	35.5	23.2	T210	2.5
55	**UCT211RT**	64	22	38	146	130	102	171	106	19	95	35	25	64	55.6	22.2	UC211RT	43	29.4	T211	4.0
60	**UCT212RT**	64	22	42	146	130	102	194	119	19	102	35	32	64	65.1	25.4	UC212RT	52.5	36.1	T212	5.1
65	**UCT213RT**	70	26	44	167	151	111	224	137	21	121	41	32	70	65.1	25.4	UC213RT	57.5	40	T213	7.0

TAPPED BASE PILLOW BLOCK UNITS



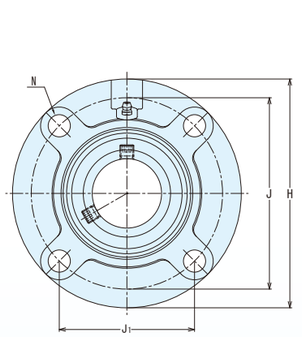


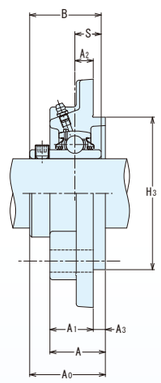
Double-lip seal type UCPA201～204RD

Triple-lip seal type UCPA205～210RT

Shaft dia. (mm)	Unit No.	Dimensions(mm)										Insert Bearing			Housing No.	Weight (kg)
		H	L	A	J	N	ℓ	H1	H2	B	S	Bearing No.	Basic Load Rating(kN) Cr	Cor		
12	**UCPA201RD**	30.2	76	38	52	M10×1.5	12	8	62	31	12.7	UC201RD	12.8	6.6	PA204	0.55
15	**UCPA202RD**	30.2	76	38	52	M10×1.5	12	8	62	31	12.7	UC202RD	12.8	6.6	PA204	0.53
17	**UCPA203RD**	30.2	76	38	52	M10×1.5	12	8	62	31	12.7	UC203RD	12.8	6.6	PA204	0.52
20	**UCPA204RD**	30.2	76	38	52	M10×1.5	12	8	62	31	12.7	UC204RD	12.8	6.6	PA204	0.50
25	**UCPA205RT**	36.5	84	38	56	M10×1.5	15	10	72	34.1	14.3	UC205RT	14	7.9	PA205	0.72
30	**UCPA206RT**	42.9	94	48	66	M14×2	18	10	84	38.1	15.9	UC206RT	19.6	11.3	PA206	1.02
35	**UCPA207RT**	47.6	110	48	80	M14×2	20	12	95	42.9	17.5	UC207RT	25.9	15.4	PA207	1.58
40	**UCPA208RT**	49.2	116	54	84	M14×2	20	12	100	49.2	19	UC208RT	29.3	17.9	PA208	1.84
45	**UCPA209RT**	54.2	120	54	90	M14×2	25	12	108	49.2	19	UC209RT	33	20.5	PA209	2.06
50	**UCPA210RT**	57.2	130	60	94	M16×2	25	14	116	51.6	19	UC210RT	35.5	23.2	PA210	2.44

FLANGE CARTRIDGE UNITS



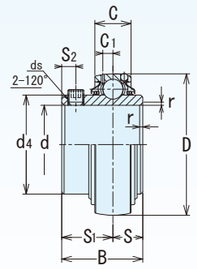


Double-lip seal type UCFC201～204RD

Triple-lip seal type UCFC205～213RT

Shaft dia. (mm)	Unit No.	Dimensions(mm)												Bolt Size	Insert Bearing			Housing No.	Weight (kg)
		H	A1	J	J1	N	A2	A3	A	H3	A0	B	S		Bearing No.	Basic Load Rating(kN) Cr	Cor		
12	**UCFC201RD**	100	20.5	78	55.1	12	10	5	25.5	62	33.3	31	12.7	M10	UC201RD	12.8	6.6	FC204	0.89
15	**UCFC202RD**	100	20.5	78	55.1	12	10	5	25.5	62	33.3	31	12.7	M10	UC202RD	12.8	6.6	FC204	0.87
17	**UCFC203RD**	100	20.5	78	55.1	12	10	5	25.5	62	33.3	31	12.7	M10	UC203RD	12.8	6.6	FC204	0.86
20	**UCFC204RD**	100	20.5	78	55.1	12	10	5	25.5	62	33.3	31	12.7	M10	UC204RD	12.8	6.6	FC204	0.84
25	**UCFC205RT**	115	21	90	63.6	12	10	6	27	70	35.8	34.1	14.3	M10	UC205RT	14	7.9	FC205	0.97
30	**UCFC206RT**	125	23	100	70.7	12	10	8	31	80	40.2	38.1	15.9	M10	UC206RT	19.6	11.3	FC206	1.18
35	**UCFC207RT**	135	26	110	77.8	14	11	8	34	90	44.4	42.9	17.5	M12	UC207RT	25.9	15.4	FC207	1.55
40	**UCFC208RT**	145	26	120	84.8	14	11	10	36	100	51.2	49.2	19	M12	UC208RT	29.3	17.9	FC208	1.85
45	**UCFC209RT**	160	26	132	93.3	16	10	12	38	105	52.2	49.2	19	M14	UC209RT	33	20.5	FC209	2.42
50	**UCFC210RT**	165	28	138	97.6	16	10	12	40	110	54.6	51.6	19	M14	UC210RT	35.5	23.2	FC210	2.71
55	**UCFC211RT**	185	31	150	106.1	19	13	12	43	125	58.4	55.6	22.2	M16	UC211RT	43	29.4	FC211	3.9
60	**UCFC212RT**	195	36	160	113.1	19	17	12	48	135	68.7	65.1	25.4	M16	UC212RT	52.5	36.1	FC212	4.55
65	**UCFC213RT**	205	36	170	120.2	19	16	14	50	145	69.7	65.1	25.4	M16	UC213RT	57.5	40	FC213	5.11

INSERT BEARINGS Standard series



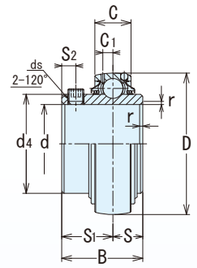
Double-lip seal type UC201～204RD

Triple-lip seal type UC205～213RT

Shaft dia. (mm)	Unit No.	Dimensions(mm)											Insert Bearing		Weight (kg)
		d	D	B	C	rs min	S	S1	S2	ds	C1	d1	Basic Load Rating(kN) Cr	Cor	
12	**UC201RD**	12	47	31	17	0.6	12.7	18.3	4.5	M6×0.75	4.5	29	12.8	6.6	0.21
15	**UC202RD**	15	47	31	17	0.6	12.7	18.3	4.5	M6×0.75	4.5	29	12.8	6.6	0.19
17	**UC203RD**	17	47	31	17	0.6	12.7	18.3	4.5	M6×0.75	4.5	29	12.8	6.6	0.18
20	**UC204RD**	20	47	31	17	1	12.7	18.3	4.5	M6×0.75	4.5	29	12.8	6.6	0.16
25	**UC205RT**	25	52	34.1	17	1	14.3	19.8	5	M6×0.75	4.5	34	14	7.9	0.19
30	**UC206RT**	30	62	38.1	19	1	15.9	22.2	5	M6×0.75	5.1	40.5	19.6	11.3	0.31
35	**UC207RT**	35	72	42.9	20	1.5	17.5	25.4	6	M8×1	5.8	48	25.9	15.4	0.48
40	**UC208RT**	40	80	49.2	21	1.5	19	30.2	8	M8×1	6.2	53	29.3	17.9	0.62
45	**UC209RT**	45	85	49.2	22	1.5	19	30.2	8	M8×1	6.5	57.3	33	20.5	0.67
50	**UC210RT**	50	90	51.6	23	1.5	19	32.6	9	M10×1.25	6.5	63	35.5	23.2	0.78
55	**UC211RT**	55	100	55.6	24	2	22.2	33.4	9	M10×1.25	7.3	70	43	29.4	1.03
60	**UC212RT**	60	110	65.1	26	2	25.4	39.7	10	M10×1.25	7.7	77	52.5	36.1	1.45
65	**UC213RT**	65	120	65.1	27	2	25.4	39.7	10	M10×1.25	8.3	82.1	57.5	40	1.71

INSERT BEARINGS All Stainless Steel

Food Grade Gease filled for Food Processing Machineries



Double-lip seal type MUC201V～204V-RD

Triple-lip seal type MUC205V～213V-RT

Shaft dia. (mm)	Unit No.	Dimensions(mm)											Insert Bearing		Weight (kg)
		d	D	B	C	rs min	S	S1	S2	ds	C1	d4	Basic Load Rating(kN) Cr	Cor	
12	**MUC201V-RD**	12	47	31	17	0.6	12.7	18.3	5	M5×0.8	4.5	29	10.9	5.3	0.21
15	**MUC202V-RD**	15	47	31	17	0.6	12.7	18.3	5	M5×0.8	4.5	29	10.9	5.3	0.19
17	**MUC203V-RD**	17	47	31	17	0.6	12.7	18.3	5	M5×0.8	4.5	29	10.9	5.3	0.18
20	**MUC204V-RD**	20	47	31	17	1	12.7	18.3	5	M5×0.8	4.5	29	10.9	5.3	0.16
25	**MUC205V-RT**	25	52	34.1	17	1	14.3	19.8	5	M5×0.8	4.5	34	11.9	6.3	0.19
30	**MUC206V-RT**	30	62	38.1	19	1	15.9	22.2	5	M5×0.8	5.1	40.5	16.7	9.0	0.31
35	**MUC207V-RT**	35	72	42.9	20	1.5	17.5	25.4	7	M6×0.75	5.8	48	22.0	12.3	0.48
40	**MUC208V-RT**	40	80	49.2	21	1.5	19	30.2	8	M6×0.75	6.2	53	24.9	14.3	0.62
45	**MUC209V-RT**	45	85	49.2	22	1.5	19	30.2	8	M6×0.75	6.5	57.3	28.1	16.4	0.67
50	**MUC210V-RT**	50	90	51.6	23	1.5	19	32.6	9	M8×1	6.5	63	30.2	18.6	0.78
55	**MUC211V-RT**	55	100	55.6	24	2	22.2	33.4	9	M8×1	7.3	70	36.6	23.5	1.03
60	**MUC212V-RT**	60	110	65.1	26	2	25.4	39.7	10	M10×1.25	7.7	77	44.6	28.9	1.45
65	**MUC213V-RT**	65	120	65.1	27	2	25.4	39.7	10	M10×1.25	8.3	82.1	48.9	32	1.71

Note For a part of bearing sizes, set-screw position (S2) and its sizes (ds) are not same as those of standard UC200 standard series above.
For stainless steel housings, please refer to catalog No.BE04-13, Stainless Steel bearing units.

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