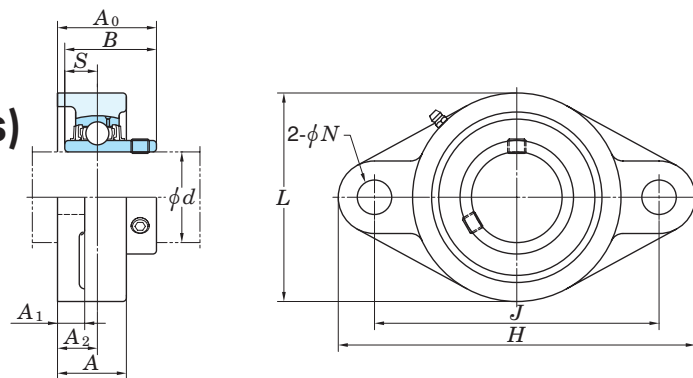


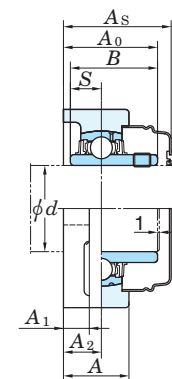
Ball bearing units rhombic-flanged type UCFL (with set screws) d 12 ~ 55 mm



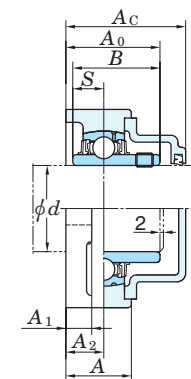
Shaft dia. (mm) d	Dimensions (mm)										Bolt size	Unit No.	Housing No.
	H	L	A	J	N	A_1	A_2	A_0	B	S			
12	113	60	25.5	90	12	11	15	33.3	31	12.7	M10	UCFL201	FL204
15	113	60	25.5	90	12	11	15	33.3	31	12.7	M10	UCFL202	FL204
17	113	60	25.5	90	12	11	15	33.3	31	12.7	M10	UCFL203	FL204
20	113	60	25.5	90	12	11	15	33.3	31	12.7	M10	UCFL204	FL204
25	130	68	27	99	16	13	16	35.8	34.1	14.3	M14	UCFL205	FL205
	141	83	30	117	12	13	18	40.2	38.1	15.9	M10	UCFLX05	FLX05
	150	80	29	113	19	13	16	39	38	15	M16	UCFL305	FL305
30	148	80	31	117	16	13	18	40.2	38.1	15.9	M14	UCFL206	FL206
	156	95	34	130	16	14	19	44.4	42.9	17.5	M14	UCFLX06	FLX06
	180	90	32	134	23	15	18	44	43	17	M20	UCFL306	FL306
35	161	90	34	130	16	14	19	44.4	42.9	17.5	M14	UCFL207	FL207
	171	105	38	144	16	14	21	51.2	49.2	19	M14	UCFLX07	FLX07
	185	100	36	141	23	16	20	49	48	19	M20	UCFL307	FL307
40	175	100	36	144	16	14	21	51.2	49.2	19	M14	UCFL208	FL208
	179	111	40	148	16	14	22	52.2	49.2	19	M14	UCFLX08	FLX08
	200	112	40	158	23	17	23	56	52	19	M20	UCFL308	FL308
45	188	108	38	148	19	15	22	52.2	49.2	19	M16	UCFL209	FL209
	189	116	40	157	16	14	23	55.6	51.6	19	M14	UCFLX09	FLX09
	230	125	44	177	25	18	25	60	57	22	M22	UCFL309	FL309
50	197	115	40	157	19	15	22	54.6	51.6	19	M16	UCFL210	FL210
	216	133	44	184	19	20	26	59.4	55.6	22.2	M16	UCFLX10	FLX10
	240	140	48	187	25	19	28	67	61	22	M22	UCFL310	FL310
55	224	130	43	184	19	18	25	58.4	55.6	22.2	M16	UCFL211	FL211
	250	150	52	198	25	20	30	71	66	25	M22	UCFL311	FL311

[Remarks] 1) Applicable sizes of grease nipples are shown below.
A-1/4-28UNF 201~210, X05~X09, 305~308
A-PT 1/8 211~217, X10~X17, 309~328

Pressed steel cover



Cast iron cover



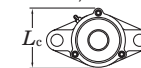
Tolerances for housing

unit : mm				unit : mm			
housing No.			ΔN_s	housing No.			ΔA_{2s} X
FL204~FL218	FLX05~FLX10	FL305~FL311	± 0.2	FL204~FL210	FLX05~FLX10	FL305~FL310	± 0.5 0.7
		FL312~FL328	± 0.3	FL211~FL218		FL311~FL328	± 0.8 1

ΔN_s : deviation of bolt hole diameter.

FL204JE3, FL205JE3 (with cast iron covers) are shown below.

FL204JE3 $L_c = 65$ mm
FL205JE3 $L_c = 73$ mm



ΔA_{2s} : deviation of distance from mounting face to centre of spherical bearing seating.

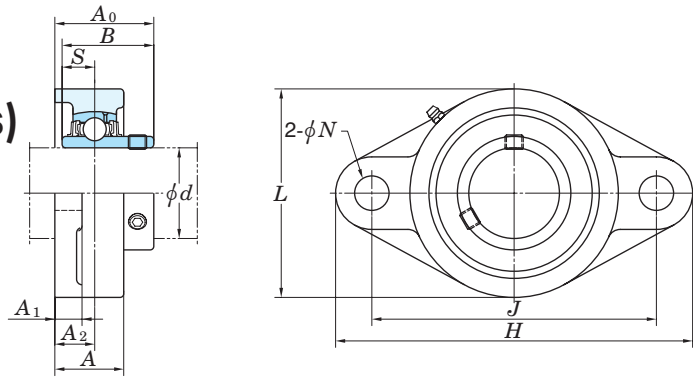
X : positional tolerance of bolt hole.

No.	Applicable bearing			Unit No. with covers				Cover dimensions (mm)		(Refer.) Unit mass (kg)	
	Basic load ratings (kN)		Factor f_0	Pressed steel covers		Cast iron covers		A_s	A_c	Pressed steel covers	Cast iron covers
	C_r	C_{0r}		Open ends	Closed end	Open ends	Closed end				
UC201	12.8	6.65	13.2	UCFL201C	UCFL201D	—	—	37	—	0.50	—
UC202	12.8	6.65	13.2	UCFL202C	UCFL202D	—	—	37	—	0.48	—
UC203	12.8	6.65	13.2	UCFL203C	UCFL203D	—	—	37	—	0.47	—
UC204	12.8	6.65	13.2	UCFL204C	UCFL204D	UCFL204FC	UCFL204FD	37	46	0.45	0.60
UC205	14.0	7.85	13.9	UCFL205C	UCFL205D	UCFL205FC	UCFL205FD	40	49	0.64	0.83
UCX05	19.5	11.3	13.9	UCFLX05C	UCFLX05D	—	—	44	—	1.1	—
UC305	21.2	10.9	12.6	—	—	UCFL305C	UCFL305D	—	54	1.1	1.4
UC206	19.5	11.3	13.9	UCFL206C	UCFL206D	UCFL206FC	UCFL206FD	44	53	0.93	1.2
UCX06	25.7	15.4	13.9	UCFLX06C	UCFLX06D	—	—	49	—	1.5	—
UC306	26.7	15.0	13.3	—	—	UCFL306C	UCFL306D	—	59	1.5	1.8
UC207	25.7	15.4	13.9	UCFL207C	UCFL207D	UCFL207FC	UCFL207FD	49	58	1.2	1.6
UCX07	29.1	17.8	14.0	UCFLX07C	UCFLX07D	—	—	55	—	1.9	—
UC307	33.4	19.3	13.2	—	—	UCFL307C	UCFL307D	—	64	1.8	2.2
UC208	29.1	17.8	14.0	UCFL208C	UCFL208D	UCFL208FC	UCFL208FD	55	64	1.6	2.0
UCX08	32.7	20.3	14.0	UCFLX08C	UCFLX08D	—	—	56	—	2.1	—
UC308	40.7	24.0	13.2	—	—	UCFL308C	UCFL308D	—	71	2.5	3.0
UC209	32.7	20.3	14.0	UCFL209C	UCFL209D	UCFL209FC	UCFL209FD	56	66	1.9	2.3
UCX09	35.1	23.3	14.4	UCFLX09C	UCFLX09D	—	—	60	—	2.4	—
UC309	48.9	29.5	13.3	—	—	UCFL309C	UCFL309D	—	76	3.5	4.1
UC210	35.1	23.3	14.4	UCFL210C	UCFL210D	UCFL210FC	UCFL210FD	59	70.5	2.2	2.7
UCX10	43.4	29.4	14.4	UCFLX10C	UCFLX10D	—	—	64	—	3.8	—
UC310	62.0	38.3	13.2	—	—	UCFL310C	UCFL310D	—	83	4.4	5.2
UC211	43.4	29.4	14.4	UCFL211C	UCFL211D	UCFL211FC	UCFL211FD	63	74.5	3.3	3.9
UC311	71.6	45.0	13.2	—	—	UCFL311C	UCFL311D	—	87	5.3	6.2

2) Bearings with triple-lip seals are indicated by L3 after the bearing and unit number. (UCFS307JL3, UC307L3)

3) For more detailed information, refer to ball bearing for unit specification tables.

**Ball bearing units
rhombic-flanged type
UCFL (with set screws)**
 d 60 ~ 140 mm



Shaft dia. (mm)	Dimensions (mm)										Bolt size	Unit No.	Housing No.
d	H	L	A	J	N	A_1	A_2	A_0	B	S			
60	250	140	48	202	23	18	29	68.7	65.1	25.4	M20	UCFL212	FL212
	270	160	56	212	31	22	33	78	71	26	M27	UCFL312	FL312
65	258	155	50	210	23	20	30	69.7	65.1	25.4	M20	UCFL213	FL213
	295	175	58	240	31	25	33	78	75	30	M27	UCFL313	FL313
70	265	160	54	216	23	20	31	75.4	74.6	30.2	M20	UCFL214	FL214
	315	185	61	250	35	28	36	81	78	33	M30	UCFL314	FL314
75	275	165	56	225	23	20	34	78.5	77.8	33.3	M20	UCFL215	FL215
	320	195	66	260	35	30	39	89	82	32	M30	UCFL315	FL315
80	290	180	58	233	25	20	34	83.3	82.6	33.3	M22	UCFL216	FL216
	355	210	68	285	38	32	38	90	86	34	M33	UCFL316	FL316
85	305	190	63	248	25	22	36	87.6	85.7	34.1	M22	UCFL217	FL217
	370	220	74	300	38	32	44	100	96	40	M33	UCFL317	FL317
90	320	205	68	265	25	23	40	96.3	96	39.7	M22	UCFL218	FL218
	385	235	76	315	38	36	44	100	96	40	M33	UCFL318	FL318
95	405	250	94	330	41	40	59	121	103	41	M36	UCFL319	FL319
100	440	270	94	360	44	40	59	125	108	42	M39	UCFL320	FL320
105	440	270	94	360	44	40	59	127	112	44	M39	UCFL321	FL321
110	470	300	96	390	44	42	60	131	117	46	M39	UCFL322	FL322
120	520	330	110	430	47	48	65	140	126	51	M42	UCFL324	FL324
130	550	360	115	460	47	50	65	146	135	54	M42	UCFL326	FL326
140	600	400	125	500	51	60	75	161	145	59	M45	UCFL328	FL328

[Remarks] 1) Applicable sizes of grease nipples are shown below.
A-1/4-28UNF..... 201~210, X05~X09, 305~308
A-PT 1/8 211~217, X10~X17, 309~328

Tolerances for housing

unit : mm

unit : mm

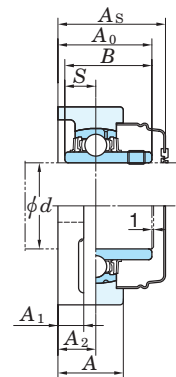
ΔN_s	housing No.			ΔA_{2s}	X
± 0.2	FL204~ FL210	FLX05~ FLX10	FL305~ FL310	± 0.5	0.7
± 0.3	FL211~ FL218		FL311~ FL328	± 0.8	1

diameter.

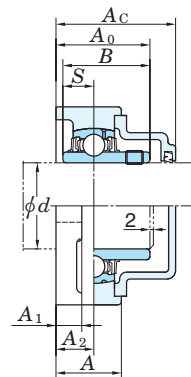
ΔA_{2s} : deviation of distance from mounting face to centre of spherical bearing seating.

X : positional tolerance of bolt hole.

Pressed steel cover



Cast iron cover



No.	Applicable bearing		Factor f_0	Unit No. with covers				Cover dimensions (mm)		(Refer.) Unit mass (kg)	
	Basic load ratings (kN)			Pressed steel covers		Cast iron covers		A_s	A_c	Pressed steel covers	Cast iron covers
	C_r	C_{0r}		Open ends	Closed end	Open ends	Closed end				
UC212	52.4	36.2	14.4	UCFL212C	UCFL212D	UCFL212FC	UCFL212FD	73	86	4.2	5.0
UC312	81.9	52.2	13.2	—	—	UCFL312C	UCFL312D	—	95	6.5	7.7
UC213	57.2	40.1	14.4	UCFL213C	UCFL213D	UCFL213FC	UCFL213FD	74	87	5.1	5.9
UC313	92.7	59.9	13.2	—	—	UCFL313C	UCFL313D	—	94	8.5	9.6
UC214	62.2	44.1	14.5	UCFL214C	UCFL214D	UCFL214FC	UCFL214FD	80	93	5.7	6.6
UC314	104	68.2	13.2	—	—	UCFL314C	UCFL314D	—	98	9.7	10.8
UC215	67.4	48.3	14.5	UCFL215C	UCFL215D	UCFL215FC	UCFL215FD	83	96	6.4	7.4
UC315	113	77.2	13.2	—	—	UCFL315C	UCFL315D	—	106	11.3	12.6
UC216	72.7	53.0	14.6	UCFL216C	UCFL216D	UCFL216FC	UCFL216FD	88	103	7.8	9.0
UC316	123	86.7	13.3	—	—	UCFL316C	UCFL316D	—	107	14.4	15.8
UC217	84.0	61.9	14.5	UCFL217C	UCFL217D	UCFL217FC	UCFL217FD	92	107	9.8	11.2
UC317	133	96.8	13.3	—	—	UCFL317C	UCFL317D	—	117	16.0	17.6
UC218	96.1	71.5	14.5	UCFL218C	UCFL218D	UCFL218FC	UCFL218FD	101	116	12.3	13.8
UC318	143	107	13.3	—	—	UCFL318C	UCFL318D	—	119	19.0	20.9
UC319	153	119	13.3	—	—	UCFL319C	UCFL319D	—	140	24.6	26.8
UC320	173	141	13.2	—	—	UCFL320C	UCFL320D	—	146	29.4	32.2
UC321	184	153	13.2	—	—	UCFL321C	UCFL321D	—	148	34.4	37.4
UC322	205	180	13.2	—	—	UCFL322C	UCFL322D	—	154	36.2	39.6
UC324	207	185	13.5	—	—	UCFL324C	UCFL324D	—	163	51.6	56.4
UC326	229	214	13.6	—	—	UCFL326C	UCFL326D	—	172	61.6	67.7
UC328	253	246	13.6	—	—	UCFL328C	UCFL328D	—	186	68.4	76.1

2) Bearings with triple-lip seals are indicated by L3 after the bearing and unit number.
(UCFS307JL3, UC307L3)
3) For more detailed information, refer to ball bearing for unit specification tables.