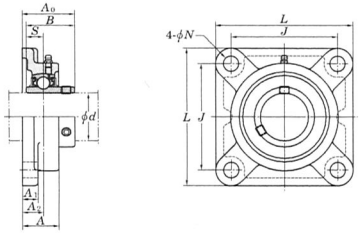
Koyo

UCF-E
Cylindrical bore (with set screws)
d 12 ~ 55 mm



Variations of tolerance of distance from mounting surface to center of spherical bore (Δ_{A2s}) and tolerance of position of bolt hole (X)

Unit: mm

Housing No.		Δ_{A2s}	X
F204E~F210E	FX05E~FX10E	±0.5	0.7
F211E~F217E	FX11E~FX17E	±0.8	1

Variations of tolerance of bolt hole diameter (Δ_{Ns})

Unit: mm

Housing No.		Δ_{Ns}
F204E~F217E	FX05E~FX17E	±0.2

Shaft Dia. mm	Shaft Dia. inch	Dimensions inch / mm									Bolt Size inch	Unit No.	Housing No.	Bearing No.		Basic Load Ratings kN		Fatigue Load Limit kN	Factor	Mass
d		*L*	*A*	*J*	*N*	A_1	A_2	A_0	*B*	*S*						C_r	C_{0r}	C_u	f_0	kg
12	1/2											UCF201E		UC201						0.64
												UCF201-8E		UC201-8						
15												UCF202E		UC202						0.62
	5/8	3 3/8	1	2 33/64	7/16	7/16	19/32	1 5/16	1.220	0.500	3/8	UCF202-10E	F204E	UC202-10		12.8	6.65	0.302	13.2	
17		86	25.5	64	11	11	15	33.3	31	12.7		UCF203E		UC203						0.61
	3/4											UCF204-12E		UC204-12						
20												UCF204E		UC204						0.59
	7/8											UCF205-14E		UC205-14						
	15/16	3 3/4	1 1/16	2 3/4	15/32	1/2	5/8	1 13/32	1.343	0.563	3/8	UCF205-15E	F205E	UC205-15		14.0	7.85	0.357	13.9	0.83
25		95	27	70	12	13	16	35.8	34.1	14.3		UCF205E		UC205						
	1											UCF205-16E		UC205-16						
		4 1/4	1 3/16	3 17/64	15/32	1/2	45/64	1 19/32	1.500	0.626	3/8	UCFX05E	FX05E	UCX05		19.5	11.3	0.514	13.9	1.2
	1	108	30	83	12	13	18	40.2	38.1	15.9		UCFX05-16E		UCX05-16						
	1 1/8											UCF206-18E		UC206-18						
		4 1/4	1 7/32	3 17/64	33/64	1/2	45/64	1 19/32	1.500	0.626	7/16	UCF206E	F206E	UC206		19.5	11.3	0.514	13.9	1.1
	1 3/16	108	31	83	13	13	18	40.2	38.1	15.9		UCF206-19E		UC206-19						
30	1 1/4											UCF206-20E		UC206-20						
		4 19/32	1 11/32	3 5/8	33/64	9/16	3/4	1 3/4	1.689	0.689	7/16	UCFX06E	FX06E	UCX06		25.7	15.4	0.700	13.9	1.6
	1 3/16	117	34	92	13	14	19	44.4	42.9	17.5		UCFX06-19E		UCX06-19						
	1 1/4											UCFX06-20E		UCX06-20						
	1 1/4											UCF207-20E		UC207-20						
	1 5/16											UCF207-21E		UC207-21						
	1 3/8	4 19/32	1 11/32	3 5/8	33/64	19/32	3/4	1 3/4	1.689	0.689	7/16	UCF207-22E	F207E	UC207-22		25.7	15.4	0.700	13.9	1.5
		117	34	92	13	15	19	44.4	42.9	17.5		UCF207E		UC207						
35	1 7/16											UCF207-23E		UC207-23						
	1 3/8	5 1/8	1 1/2	4 1/64	33/64	9/16	53/64	2 1/32	1.937	0.748	7/16	UCFX07-22E	FX07E	UCX07-22		29.1	17.8	0.809	14.0	2.0
	1 7/16	130	38	102	13	14	21	51.2	49.2	19		UCFX07E		UCX07						
												UCFX07-23E		UCX07-23						
	1 1/2	5 1/8	1 13/32	4 1/64	35/64	19/32	53/64	2 1/32	1.937	0.748	1/2	UCF208-24E	F208E	UC208-24		29.1	17.8	0.809	14.0	1.9
	1 9/16	130	36	102	14	15	21	51.2	49.2	19		UCF208-25E		UC208-25						
40												UCF208E		UC208						
	1 1/2	5 13/32	1 9/16	4 9/64	19/32	9/16	55/64	2 1/16	1.937	0.748	1/2	UCFX08-24E	FX08E	UCX08-24		34.1	21.3	0.968	14.0	2.4
		137	40	105	15	14	22	52.2	49.2	19		UCFX08E		UCX08						
45	1 3/4	5 5/8	1 9/16	4 3/8	19/32	9/16	29/32	2 3/16	2.031	0.748	1/2	UCFX09-28E	FX09E	UCX09-28		35.1	23.3	1.06	14.4	2.7
		143	40	111	15	14	23	55.6	51.6	19		UCFX09E		UCX09						
	1 15/16	6 3/8	1 23/32	5 1/8	21/32	25/32	1 1/32	2 11/32	2.189	0.874	9/16	UCFX10-31E	FX10E	UCX10-31		43.4	29.4	1.34	14.4	3.7
50	2	162	44	130	16.5	20	26	59.4	55.6	22.2		UCFX10E		UCX10						
												UCFX10-32E		UCX10-32						
	2											UCF211-32E		UC211-32						
	2 1/8	6 3/8	1 11/16	5 1/8	43/64	23/32	63/64	2 5/16	2.189	0.874	5/8	UCF211-34E	F211E	UC211-34		43.4	29.4	1.34	14.4	3.4
		162	43	130	17	18	25	58.4	55.6	22.2		UCF211E		UC211						
55	2 3/16											UCF211-35E		UC211-35						
		6 7/8	1 15/16	5 5/8	21/32	25/32	1 9/64	2 23/32	2.563	1.000	9/16	UCFX11E	FX11E	UCX11		52.4	36.2	1.65	14.4	4.9
	2 3/16	175	49	143	16.5	20	29	68.7	65.1	25.4		UCFX11-35E		UCX11-35						
	2 1/4											UCFX11-36E		UCX11-36						

Remarks 1. In Part No. of unit, fitting codes follow bore diameter numbers. (See **Table 2.5** in P.11.)
2. Part No. of applicable grease nipples are shown below.
A-1/4-28UNF ..... 201~210, X05~X09
A-R1/8 ..... 211~217, X10~X17
3. As for the triple-lip seal type product (from 201 to 205 are the double-lip seal type products), supplementary code L3 (L2) follows the Part No. of unit or bearing. (Example of Part No. : UCF206EJL3, UC206L3)
4. For the dimensions and forms of applicable bearings, see the dimensional tables of ball bearing for unit.
5. Housings of spheroidal graphite iron casting are also available.