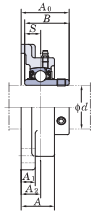
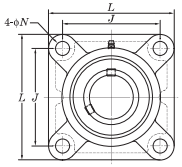
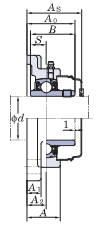
UCF
Cylindrical bore (with set screws)
d 12 ~ (45) mm

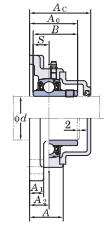




With Pressed Steel Cover



With Cast Iron Cover



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
F204~F210	FX05~FX10	F305~F310	±0.5	0.7
F211~F218	FX11~FX20	F311~F328	±0.8	1

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

Unit: mm

Housing No.			Δ_{dN}
F204~F218	FX05~FX18	F305~F315	±0.2
	FX20	F316~F328	±0.3

Shaft Dia. mm	Shaft Dia. inch	Dimensions inch / mm d	L	A	J	N	A_1	A_2	A_0	B	S	Bolt Size inch	Bolt Size mm	Standard Unit No.	Housing No.	Bearing No.	Mass kg	Basic Load Ratings kN C_r	Basic Load Ratings kN C_{0r}	Factor f_0	With Pressed Steel Cover Unit No. Open Type	With Pressed Steel Cover Unit No. Closed Type	With Pressed Steel Cover Dimension mm	With Pressed Steel Cover Dimension inch A_8	With Pressed Steel Cover Mass kg	With Cast Iron Cover Unit No. Open Type	With Cast Iron Cover Unit No. Closed Type	With Cast Iron Cover Dimension mm	With Cast Iron Cover Dimension inch A_C	With Cast Iron Cover Mass kg
12	1/2													UCF201		UC201	0.64				UCF201C	UCF201D	37.5	1 15/32	0.64	–	–	–	–	–
														UCF201-8		UC201-8	0.64				–	–	–	–	–	–	–	–	–	–
15														UCF202		UC202	0.62				UCF202C	UCF202D	37.5	1 15/32	0.62	–	–	–	–	–
	5/8	3 3/8	1	2 33/64	15/32	7/16	19/32	1 5/16	1.220	0.500	3/8			UCF202-10	F204	UC202-10	0.62	12.8	6.65	13.2	–	–	–	–	–	–	–	–	–	–
		86	25.5	64	12	11	15	33.3	31	12.7		M10		UCF203		UC203	0.61				UCF203C	UCF203D	37.5	1 15/32	0.61	–	–	–	–	–
17														UCF204-12		UC204-12	0.61				–	–	–	–	–	–	–	–	–	–
	3/4													UCF204		UC204	0.59				UCF204C	UCF204D	37.5	1 15/32	0.59	UCF204FC	UCF204FD	46	1 13/16	0.74
	7/8													UCF205-14		UC205-14	0.83				–	–	–	–	–	–	–	–	–	–
	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			UCF205-15	F205	UC205-15	0.83	14.0	7.85	13.9	–	–	–	–	–	–	–	–	–	–
		95	27	70	12	13	16	35.8	34.1	14.3		M10		UCF205		UC205	0.83				UCF205C	UCF205D	40.5	1 19/32	0.83	UCF205FC	UCF205FD	49	1 15/16	1.0
25	1													UCF205-16		UC205-16	0.83				–	–	–	–	–	–	–	–	–	–
		4 1/4	1 3/16	3 17/64	15/32	1/2	45/64	1 19/32	1.500	0.626	3/8			UCFX05	FX05	UCX05	1.2	19.5	11.3	13.9	UCFX05C	UCFX05D	44.5	1 3/4	1.2	–	–	–	–	–
	1	108	30	83	12	13	18	40.2	38.1	15.9		M10		UCFX05-16		UCX05-16	1.2				–	–	–	–	–	–	–	–	–	–
		4 11/32	1 5/32	3 5/32	5/8	1/2	5/8	1 17/32	1.496	0.591	1/2			UCF305	F305	UC305	1.3	21.2	10.9	12.6	–	–	–	–	–	UCF305C	UCF305D	54	2 1/8	1.6
	1	110	29	80	16	13	16	39	38	15		M14		UCF305-16		UC305-16	1.3				–	–	–	–	–	–	–	–	–	–
	1 1/8													UCF206-18		UC206-18	1.1				–	–	–	–	–	–	–	–	–	–
		4 1/4	1 7/32	3 17/64	15/32	1/2	45/64	1 19/32	1.500	0.626	3/8			UCF206	F206	UC206	1.1	19.5	11.3	13.9	UCF206C	UCF206D	44.5	1 3/4	1.1	UCF206FC	UCF206FD	53	2 3/32	1.4
	1 3/16	108	31	83	12	13	18	40.2	38.1	15.9		M10		UCF206-19		UC206-19	1.1				–	–	–	–	–	–	–	–	–	–
	1 1/4													UCF206-20		UC206-20	1.1				–	–	–	–	–	–	–	–	–	–
30														UCFX06		UCX06	1.6				UCFX06C	UCFX06D	49	1 15/16	1.6	–	–	–	–	–
	1 3/16	4 19/32	1 11/32	3 5/8	5/8	9/16	3/4	1 3/4	1.689	0.689	1/2			UCFX06-19	FX06	UCX06-19	1.6	25.7	15.4	13.9	–	–	–	–	–	–	–	–	–	–
	1 1/4	117	34	92	16	14	19	44.4	42.9	17.5		M14		UCFX06-20		UCX06-20	1.6				–	–	–	–	–	–	–	–	–	–
	–	4 29/32	1 1/4	3 47/64	5/8	19/32	45/64	1 23/32	1.693	0.669	1/2			UCF306	F306	UC306	1.9	26.7	15.0	13.3	–	–	–	–	–	UCF306C	UCF306D	59	2 5/16	2.2
	1 1/4													UCF207-20		UC207-20	1.5				–	–	–	–	–	–	–	–	–	–
	1 5/16													UCF207-21		UC207-21	1.5				–	–	–	–	–	–	–	–	–	–
	1 3/8	4 19/32	1 11/32	3 5/8	35/64	19/32	3/4	1 3/4	1.689	0.689	7/16			UCF207-22	F207	UC207-22	1.5	25.7	15.4	13.9	–	–	–	–	–	–	–	–	–	–
		117	34	92	14	15	19	44.4	42.9	17.5		M12		UCF207		UC207	1.5				UCF207C	UCF207D	49	1 15/16	1.5	UCF207FC	UCF207FD	58	2 9/32	1.9
35	1 7/16													UCF207-23		UC207-23	1.5				–	–	–	–	–	–	–	–	–	–
	1 3/8													UCFX07-22		UCX07-22	2.0				–	–	–	–	–	–	–	–	–	–
		5 1/8	1 1/2	4 1/64	5/8	9/16	53/64	2 1/32	1.937	0.748	1/2			UCFX07	FX07	UCX07	2.0	29.1	17.8	14.0	UCFX07C	UCFX07D	55.5	2 3/16	2.0	–	–	–	–	–
	1 7/16	130	38	102	16	14	21	51.2	49.2	19		M14		UCFX07-23		UCX07-23	2.0				–	–	–	–	–	–	–	–	–	–
	–	5 5/16	1 13/32	3 15/16	3/4	5/8	25/32	1 15/16	1.890	0.748	5/8			UCF307	F307	UC307	2.3	33.4	19.3	13.2	–	–	–	–	–	UCF307C	UCF307D	64	2 17/32	2.7
	1 1/2													UCF208-24		UC208-24	1.9				–	–	–	–	–	–	–	–	–	–
	1 9/16	5 1/8	1 13/32	4 1/64	5/8	19/32	53/64	2 1/32	1.937	0.748	1/2			UCF208-25	F208	UC208-25	1.9	29.1	17.8	14.0	–	–	–	–	–	–	–	–	–	–
		130	36	102	16	15	21	51.2	49.2	19		M14		UCF208		UC208	1.9				UCF208C	UCF208D	55.5	2 3/16	1.9	UCF208FC	UCF208FD	64	2 17/32	2.3
40	1 1/2													UCFX08-24		UCX08-24	2.4				–	–	–	–	–	–	–	–	–	–
		5 13/32	1 9/16	4 9/64	3/4	9/16	55/64	2 1/16	1.937	0.748	5/8			UCFX08	FX08	UCX08	2.4	34.1	21.3	14.0	UCFX08C	UCFX08D	56.5	2 7/32	2.4	–	–	–	–	–
	1 1/2	137	40	105	19	14	22	52.2	49.2	19		M16		UCF308-24		UC308-24	3.1				–	–	–	–	–	–	–	–	–	–
		5 29/32	1 9/16	4 13/32	3/4	21/32	29/32	2 7/32	2.047	0.748	5/8			UCF308	F308	UC308	3.1	40.7	24.0	13.2	–	–	–	–	–	UCF308C	UCF308D	71	2 25/32	3.6
	1 5/8	150	40	112	19	17	23	56	52	19		M16		UCF209-26		UC209-26	2.2				–	–	–	–	–	–	–	–	–	–
	1 11/16	5 13/32	1 1/2	4 9/64	5/8	5/8	55/64	2 1/16	1.937	0.748	1/2			UCF209-27	F209	UC209-27	2.2	34.1	21.3	14.0	–	–	–	–	–	–	–	–	–	–
	1 3/4	137	38	105	16	16	22	52.2	49.2	19		M14		UCF209-28		UC209-28	2.2				–	–	–	–	–	–	–	–	–	–
45														UCF209		UC209	2.2				UCF209C	UCF209D	56.5	2 7/32	2.2	UCF209FC	UCF209FD	66	2 19/32	2.6
	1 11/16													UCFX09-27		UCX09-27	2.7				–	–	–	–	–	–	–	–	–	–
	1 3/4	5 5/8	1 9/16	4 3/8	3/4	9/16	29/32	2 3/16	2.031	0.748	5/8			UCFX09-28	FX09	UCX09-28	2.7	35.1	23.3	14.4	–	–	–	–	–	–	–	–	–	–
		143	40	111	19	14	23	55.6	51.6	19		M16		UCFX09		UCX09	2.7				UCFX09C	UCFX09D	60	2 3/8	2.7	–	–	–	–	–

Remarks
1. In Part No. of unit and units with covers, fitting codes follow bore diameter numbers. (See **Table 10.5** in P.62.)
2. Part No. of applicable grease fittings are shown below.
A-1/4-28UNF ..... 201~210, X05~X09, 305~308
A-R1/8 ..... 211~218, X10~X20, 309~328
3. As for the triple seal type product (from 201 to 205 are the double seal type products), suffix code L3 (L2) follows the Part No. of unit or bearing. (Example of Part No. : UCF206JL3, UC206L3)
4. For the dimensions and forms of applicable bearings, see the dimensional tables of ball bearing for unit.
5. Housings of nodular graphite cast iron are also available.