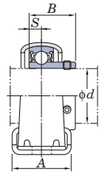
SBPP
Cylindrical bore
(with set screws)
d 12 ~ 30 mm

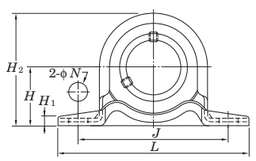
SAPP
Cylindrical bore
(with eccentric locking collar)

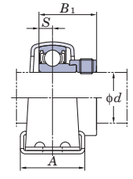
SBPP

SAPP



SBPP





SAPP

Shaft Dia mm	Shaft Dia inch	Dimensions inch / mm										Bolt Size inch / mm	Unit No.	Bearing No.		Unit No.	Bearing No.	Housing No.	Basic Load Ratings kN		Factor	Mass kg	
d		H	L	A	J	N	H_1	H_2	S	SBPP B	SAPP B_1								C_r	C_{0r}	f_0	SBPP	SAPP
12													**SBPP201**	SB201		**SAPP201**	SA201						
	1/2												**SBPP201-8**	SB201-8		**SAPP201-8**	SA201-8						
15		7/8	3 3/8	31/32	2 43/64	3/8	1/8	1 23/32	0.236	0.866	1.122	5/16	**SBPP202**	SB202		**SAPP202**	SA202	PP203	9.55	4.80	13.2	0.16	0.19
	5/8	22.2	86	25	68	9.5	3.2	43.8	6	22	28.5	M8	**SBPP202-10**	SB202-10		**SAPP202-10**	SA202-10						
17													**SBPP203**	SB203		**SAPP203**	SA203						
20	3/4	1	3 27/32	1 1/4	2 63/64	3/8	1/8	2	0.276	0.984	1.161	5/16	**SBPP204-12**	SB204-12		**SAPP204-12**	SA204-12	PP204	12.8	6.65	13.2	0.23	0.23
		25.4	98	32	76	9.5	3.2	50.5	7	25	29.5	M8	**SBPP204**	SB204		**SAPP204**	SA204						
	7/8												**SBPP205-14**	SB205-14		**SAPP205-14**	SA205-14						
25	15/16	1 1/8	4 1/4	1 1/4	3 25/64	29/64	5/32	2 7/32	0.295	1.063	1.201	3/8	**SBPP205-15**	SB205-15		**SAPP205-15**	SA205-15	PP205	14.0	7.85	13.9	0.28	0.32
		28.6	108	32	86	11.5	4	56.6	7.5	27	30.5	M10	**SBPP205**	SB205		**SAPP205**	SA205						
	1												**SBPP205-16**	SB205-16		**SAPP205-16**	SA205-16						
	1 1/8												**SBPP206-18**	SB206-18		**SAPP206-18**	SA206-18						
30		1 5/16	4 19/32	1 1/2	3 3/4	29/64	5/32	2 5/8	0.315	1.181	1.335	3/8	**SBPP206**	SB206		**SAPP206**	SA206	PP206	19.5	11.3	13.9	0.47	0.50
	1 3/16	33.3	117	38	95	11.5	4	66.3	8	30	33.9	M10	**SBPP206-19**	SB206-19		**SAPP206-19**	SA206-19						
	1 1/4												**SBPP206-20**	SB206-20		**SAPP206-20**	SA206-20						

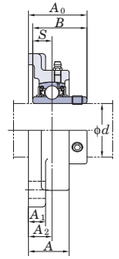
Remark For the dimensions and forms of applicable bearings, see the dimensional tables of ball bearing for unit.

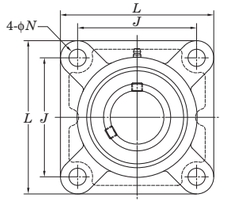
Variations of tolerance of distance between centers of bolt holes (Δ_{As}) and variations of tolerance of bolt hole diameter (Δ_{Ns})

Unit: mm

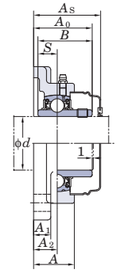
Housing No.	Δ_{As}	Δ_{Ns}
PP203~PP206	±0.4	±0.5

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

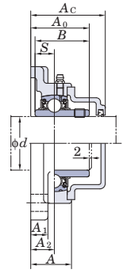




With Pressed Steel Cover



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_{Ns})

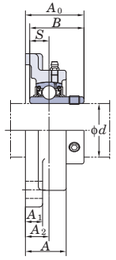
Unit: mm

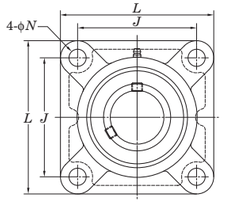
Housing No.			Δ_{Ns}
F204~F218	FX05~FX18	F305~F315	±0.2
	FX20	F316~F328	±0.3

Shaft Dia. d (mm)	Shaft Dia. d (inch)	Dimensions (inch) L	A	J	N	A_1	A_2	A_0	B	S	Dimensions (mm) L	A	J	N	A_1	A_2	A_0	B	S	Bolt Size (inch)	Bolt Size (mm)	Standard Unit No.	Standard Housing No.	Standard 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 A_s (mm)	With Pressed Steel Cover Dimension A_s (inch)	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 A_c (mm)	With Cast Iron Cover Dimension A_c (inch)	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	86	25.5	64	12	11	15	33.3	31	12.7	3/8	M10	**UCF202-10**	F204	UC202-10	0.62	12.8	6.65	13.2	–	–	–	–	–	–	–	–	–	–
17																						**UCF203**		UC203	0.61				UCF203C	UCF203D	37.5	1 15/32	0.61	–	–	–	–	–
	3/4																					**UCF204-12**		UC204-12	0.61				–	–	–	–	–	–	–	–	–	–
20																						**UCF204**		UC204	0.59				UCF204C	UCF204D	37.5	1 15/32	0.59	UCF204FC	UCF204FD	46	1 13/16	0.74
25	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	95	27	70	12	13	16	35.8	34.1	14.3	3/8	M10	**UCF205-15**	F205	UC205-15	0.83	14.0	7.85	13.9	–	–	–	–	–	–	–	–	–	–
	1																					**UCF205**		UC205	0.83				UCF205C	UCF205D	40.5	1 19/32	0.83	UCF205FC	UCF205FD	49	1 15/16	1.0
																						UCF205-16		UC205-16	0.83				–	–	–	–	–	–	–	–	–	–
	1	4 1/4	1 3/16	3 17/64	15/32	1/2	45/64	1 19/32	1.500	0.626	108	30	83	12	13	18	40.2	38.1	15.9	3/8	M10	**UCFX05**	FX05	UCX05	1.2	19.5	11.3	13.9	UCFX05C	UCFX05D	44.5	1 3/4	1.2	–	–	–	–	–
																						UCFX05-16		UCX05-16	1.2				–	–	–	–	–	–	–	–	–	–
	1	4 11/32	1 5/32	3 5/32	5/8	1/2	5/8	1 17/32	1.496	0.591	110	29	80	16	13	16	39	38	15	1/2	M14	**UCF305**	F305	UC305	1.3	21.2	10.9	12.6	–	–	–	–	–	UCF305C	UCF305D	54	2 1/8	1.6
																						UCF305-16		UC305-16	1.3				–	–	–	–	–	–	–	–	–	–
30	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				–	–	–	–	–	–	–	–	–	–
		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**		UCX06	1.6				UCFX06C	UCFX06D	49	1 15/16	1.6	–	–	–	–	–
	1 3/16	117	34	92	16	14	19	44.4	42.9	17.5											M14	**UCFX06-19**	FX06	UCX06-19	1.6	25.7	15.4	13.9	–	–	–	–	–	–	–	–	–	–
	1 1/4																					**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	125	32	95	16	15	18	44	43	17	1/2	M14	**UCF306**	F306	UC306	1.9	26.7	15.0	13.3	–	–	–	–	–	UCF306C	UCF306D	59	2 5/16	2.2
35	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
	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	135	36	100	19	16	20	49	48	19	5/8	M16	**UCF307**	F307	UC307	2.3	33.4	19.3	13.2	–	–	–	–	–	UCF307C	UCF307D	64	2 17/32	2.7
40	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
	1 1/2	5 13/32	1 9/16	4 9/64	3/4	9/16	55/64	2 1/16	1.937	0.748										5/8		**UCFX08-24**	FX08	UCX08-24	2.4	34.1	21.3	14.0	–	–	–	–	–	–	–	–	–	–
		137	40	105	19	14	22	52.2	49.2	19											M16	**UCFX08**		UCX08	2.4				UCFX08C	UCFX08D	56.5	2 7/32	2.4	–	–	–	–	–
	1 1/2	5 29/32	1 9/16	4 13/32	3/4	21/32	29/32	2 7/32	2.047	0.748										5/8		**UCF308-24**	F308	UC308-24	3.1	40.7	24.0	13.2	–	–	–	–	–	–	–	–	–	–
		150	40	112	19	17	23	56	52	19											M16	**UCF308**		UC308	3.1				–	–	–	–	–	UCF308C	UCF308D	71	2 25/32	3.6
45	1 5/8																					**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				–	–	–	–	–	–	–	–	–	–
																						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	–	–	–	–	–

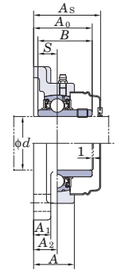
Remarks
1. In Part No. of unit and units with covers, fitting codes follow bore diameter numbers. (See **Table 10.5** in P.62.)
2. Part No. of applicable grease fittings are shown below.
   A-1/4-28UNF ..... 201~210, X05~X09, 305~308
   A-R1/8 ..... 211~218, X10~X20, 309~328
3. As for the triple seal 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.

UCF
Cylindrical bore (with set screws)
d (45) ~ (75) mm

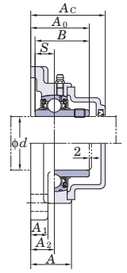




With Pressed Steel Cover



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_{Ns})

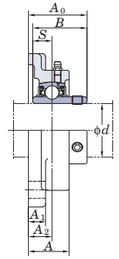
Unit: mm

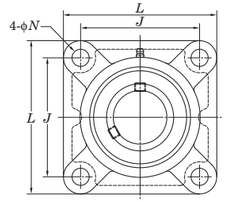
Housing No.			Δ_{Ns}
F204~F218	FX05~FX18	F305~F315	±0.2
	FX20	F316~F328	±0.3

Shaft Dia. mm	Shaft Dia. inch	Dimensions inch / mm									Bolt Size inch / mm	Standard Unit No.	Standard Housing No.	Standard 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 / inch A_s	Mass kg	With Cast Iron Cover Unit No. Open Type	With Cast Iron Cover Unit No. Closed Type	With Cast Iron Cover Dimension mm / inch A_c	Mass kg
d		L	A	J	N	A_1	A_2	A_0	B	S																
45	1 3/4	6 5/16	1 23/32	4 59/64	3/4	23/32	63/64	2 3/8	2.244	0.866	5/8	**UCF309-28**	F309	UC309-28	4.0	48.9	29.5	13.3	–	–	– –	–	–	–	– –	–
		160	44	125	19	18	25	60	57	22	M16	**UCF309**		UC309	4.0				–	–	– –	–	UCF309C	UCF309D	76 3	4.6
50	1 7/8											**UCF210-30**	F210	UC210-30	2.5	35.1	23.3	14.4	–	–	– –	–	–	–	– –	–
	1 15/16	5 5/8	1 9/16	4 3/8	5/8	5/8	55/64	2 5/32	2.031	0.748	1/2	**UCF210-31**		UC210-31	2.5				–	–	– –	–	–	–	– –	–
		143	40	111	16	16	22	54.6	51.6	19	M14	**UCF210**		UC210	2.5				UCF210C	UCF210D	59 2 5/16	2.5	UCF210FC	UCF210FD	70.5 2 25/32	3.0
	2											**UCF210-32**		UC210-32	2.5				–	–	– –	–	–	–	– –	–
	1 15/16											**UCFX10-31**	FX10	UCX10-31	3.7	43.4	29.4	14.4	–	–	– –	–	–	–	– –	–
		6 3/8	1 23/32	5 1/8	3/4	25/32	1 1/32	2 11/32	2.189	0.874	5/8	**UCFX10**		UCX10	3.7				UCFX10C	UCFX10D	64 2 17/32	3.7	–	–	– –	–
	2	162	44	130	19	20	26	59.4	55.6	22.2	M16	**UCFX10-32**		UCX10-32	3.7				–	–	– –	–	–	–	– –	–
	–	6 7/8	1 7/8	5 13/64	29/32	3/4	1 7/64	2 5/8	2.402	0.866	3/4	**UCF310**	F310	UC310	5.1	62.0	38.3	13.2	–	–	– –	–	UCF310C	UCF310D	83 3 9/32	5.9
		175	48	132	23	19	28	67	61	22	M20															
55	2											**UCF211-32**	F211	UC211-32	3.4	43.4	29.4	14.4	–	–	– –	–	–	–	– –	–
	2 1/8	6 3/8	1 11/16	5 1/8	3/4	23/32	63/64	2 5/16	2.189	0.874	5/8	**UCF211-34**		UC211-34	3.4				–	–	– –	–	–	–	– –	–
		162	43	130	19	18	25	58.4	55.6	22.2	M16	**UCF211**		UC211	3.4				UCF211C	UCF211D	63 2 15/32	3.4	UCF211FC	UCF211FD	74.5 2 15/16	4.0
	2 3/16											**UCF211-35**		UC211-35	3.4				–	–	– –	–	–	–	– –	–
		6 7/8	1 15/16	5 5/8	3/4	25/32	1 9/64	2 23/32	2.563	1.000	5/8	**UCFX11**	FX11	UCX11	4.9	52.4	36.2	14.4	UCFX11C	UCFX11D	73.5 2 29/32	4.9	–	–	– –	–
	2 3/16	175	49	143	19	20	29	68.7	65.1	25.4	M16	**UCFX11-35**		UCX11-35	4.9				–	–	– –	–	–	–	– –	–
	2 1/4											**UCFX11-36**		UCX11-36	4.9				–	–	– –	–	–	–	– –	–
	2											**UCF311-32**	F311	UC311-32	5.6	71.6	45.0	13.2	–	–	– –	–	–	–	– –	–
		7 9/32	2 1/16	5 33/64	29/32	25/32	1 3/16	2 25/32	2.598	0.984	3/4	**UCF311**		UC311	5.6				–	–	– –	–	UCF311C	UCF311D	87 3 7/16	6.5
	2 3/16	185	52	140	23	20	30	71	66	25	M20	**UCF311-35**		UC311-35	5.6				–	–	– –	–	–	–	– –	–
60	2 1/4											**UCF212-36**	F212	UC212-36	4.2	52.4	36.2	14.4	–	–	– –	–	–	–	– –	–
		6 7/8	1 7/8	5 5/8	3/4	23/32	1 9/64	2 23/32	2.563	1.000	5/8	**UCF212**		UC212	4.2				UCF212C	UCF212D	73.5 2 29/32	4.2	UCF212FC	UCF212FD	86 3 3/8	5.0
	2 3/8	175	48	143	19	18	29	68.7	65.1	25.4	M16	**UCF212-38**		UC212-38	4.2				–	–	– –	–	–	–	– –	–
	2 7/16											**UCF212-39**		UC212-39	4.2				–	–	– –	–	–	–	– –	–
		7 3/8	2 5/16	5 55/64	3/4	13/16	1 11/32	2 29/32	2.563	1.000	5/8	**UCFX12**	FX12	UCX12	5.7	57.2	40.1	14.4	UCFX12C	UCFX12D	78.5 3 3/32	5.7	–	–	– –	–
	2 7/16	187	59	149	19	21	34	73.7	65.1	25.4	M16	**UCFX12-39**		UCX12-39	5.7				–	–	– –	–	–	–	– –	–
		7 11/16	2 7/32	5 29/32	29/32	7/8	1 19/64	3 1/16	2.795	1.024	3/4	**UCF312**	F312	UC312	6.9	81.9	52.2	13.2	–	–	– –	–	UCF312C	UCF312D	95 3 3/4	8.1
	2 7/16	195	56	150	23	22	33	78	71	26	M20	**UCF312-39**		UC312-39	6.9				–	–	– –	–	–	–	– –	–
65	2 1/2	7 3/8	1 31/32	5 55/64	3/4	7/8	1 3/16	2 3/4	2.563	1.000	5/8	**UCF213-40**	F213	UC213-40	5.2	57.2	40.1	14.4	–	–	– –	–	–	–	– –	–
		187	50	149	19	22	30	69.7	65.1	25.4	M16	**UCF213**		UC213	5.2				UCF213C	UCF213D	74.5 2 15/16	5.2	UCF213FC	UCF213FD	87 3 7/16	6.0
	2 1/2	7 3/8	2 5/16	5 55/64	3/4	13/16	1 11/32	3 3/32	2.937	1.189	5/8	**UCFX13-40**	FX13	UCX13-40	6.3	62.2	44.1	14.5	–	–	– –	–	–	–	– –	–
		187	59	149	19	21	34	78.4	74.6	30.2	M16	**UCFX13**		UCX13	6.3				UCFX13C	UCFX13D	83.5 3 9/32	6.3	–	–	– –	–
	2 1/2	8 3/16	2 9/32	6 17/32	29/32	7/8	1 19/64	3 1/16	2.953	1.181	3/4	**UCF313-40**	F313	UC313-40	7.8	92.7	59.9	13.2	–	–	– –	–	–	–	– –	–
		208	58	166	23	22	33	78	75	30	M20	**UCF313**		UC313	7.8				–	–	– –	–	UCF313C	UCF313D	94 3 11/16	8.9
70	2 3/4	7 19/32	2 1/8	5 63/64	3/4	7/8	1 7/32	2 31/32	2.937	1.189	5/8	**UCF214-44**	F214	UC214-44	5.9	62.2	44.1	14.5	–	–	– –	–	–	–	– –	–
		193	54	152	19	22	31	75.4	74.6	30.2	M16	**UCF214**		UC214	5.9				UCF214C	UCF214D	80.5 3 5/32	5.9	UCF214FC	UCF214FD	93 3 21/32	6.8
	2 3/4	7 3/4	2 3/8	5 63/64	29/32	7/8	1 29/64	3 7/32	3.063	1.331	3/4	**UCFX14-44**	FX14	UCX14-44	7.0	67.4	48.3	14.5	–	–	– –	–	–	–	– –	–
		197	60	152	23	22	37	81.5	77.8	33.3	M20	**UCFX14**		UCX14	7.0				UCFX14C	UCFX14D	86.5 3 13/32	7.0	–	–	– –	–
	2 3/4	8 29/32	2 13/32	7 1/64	63/64	31/32	1 27/64	3 3/16	3.071	1.299	7/8	**UCF314-44**	F314	UC314-44	10.1	104	68.2	13.2	–	–	– –	–	–	–	– –	–
		226	61	178	25	25	36	81	78	33	M22	**UCF314**		UC314	10.1				–	–	– –	–	UCF314C	UCF314D	98 3 27/32	11.2
75	2 15/16											**UCF215-47**	F215	UC215-47	6.4	67.4	48.3	14.5	–	–	– –	–	–	–	– –	–
		7 7/8	2 7/32	6 17/64	3/4	7/8	1 11/32	3 3/32	3.063	1.311	5/8	**UCF215**		UC215	6.4				UCF215C	UCF215D	83.5 3 9/32	6.4	UCF215FC	UCF215FD	96 3 25/32	7.4
	3	200	56	159	19	22	34	78.5	77.8	33.3	M16	**UCF215-48**		UC215-48	6.4				–	–	– –	–	–	–	– –	–
	2 15/16											**UCFX15-47**	FX15	UCX15-47	8.4	72.7	53.0	14.6	–	–	– –	–	–	–	– –	–
		7 3/4	2 11/16	5 63/64	29/32	15/16	1 9/16	3 17/32	3.252	1.311	3/4	**UCFX15**		UCX15	8.4				UCFX15C	UCFX15D	94.5 3 23/32	8.4	–	–	– –	–
	3	197	68	152	23	24	40	89.3	82.6	33.3	M20	**UCFX15-48**		UCX15-48	8.4				–	–	– –	–	–	–	– –	–

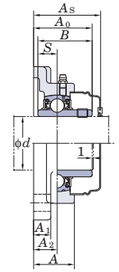
Remarks
1. In Part No. of unit and units with covers, fitting codes follow bore diameter numbers. (See **Table 10.5** in P.62.)
2. Part No. of applicable grease fittings are shown below.
   A-1/4-28UNF ..... 201~210, X05~X09, 305~308
   A-R1/8 ..... 211~218, X10~X20, 309~328
3. As for the triple seal 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.

UCF
Cylindrical bore (with set screws)
d (75) ~ 140 mm

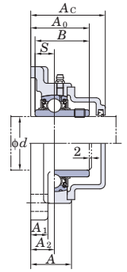




With Pressed Steel Cover



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_{Ns})

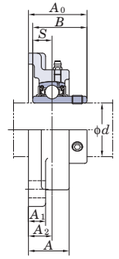
Unit: mm

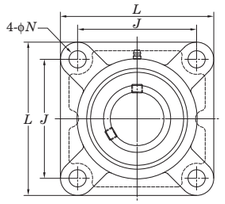
Housing No.			Δ_{Ns}
F204~F218	FX05~FX18	F305~F315	±0.2
	FX20	F316~F328	±0.3

Shaft Dia. mm	Shaft Dia. inch	Dimensions inch / mm L	A	J	N	A_1	A_2	A_0	B	S	Bolt Size inch / mm	Standard Unit No.	Housing No.	Bearing No.	Mass kg	Basic Load Ratings kN C_r	C_{0r}	Factor f_0	With Pressed Steel Cover Unit No. Open Type	Closed Type	Dimension mm / inch A_s	Mass kg	With Cast Iron Cover Unit No. Open Type	Closed Type	Dimension mm / inch A_c	Mass kg
75	2 15/16	9 9/32	2 19/32	7 1/4	63/64	31/32	1 17/32	3 1/2	3.228	1.260	7/8	UCF315-47	F315	UC315-47	11.6				–	–	– –	–	–	–	– –	–
		236	66	184	25	25	39	89	82	32	M22	UCF315		UC315	11.6	113	77.2	13.2	–	–	– –	–	UCF315C	UCF315D	106 4 3/16	12.9
	3											UCF315-48		UC315-48	11.6				–	–	– –	–	–	–	– –	–
80	3 1/8	8 3/16	2 9/32	6 1/2	29/32	7/8	1 11/32	3 9/32	3.252	1.311	3/4	UCF216-50	F216	UC216-50	7.3				–	–	– –	–	–	–	– –	–
		208	58	165	23	22	34	83.3	82.6	33.3	M20	UCF216		UC216	7.3	72.7	53.0	14.6	UCF216C	UCF216D	88.5 3 15/32	7.3	UCF216FC	UCF216FD	103 4 1/16	8.5
	–	8 7/16	2 3/4	6 47/64	29/32	15/16	1 9/16	3 19/32	3.374	1.343	3/4	UCFX16	FX16	UCX16	9.4	84.0	61.9	14.5	UCFX16C	UCFX16D	96.5 3 13/16	9.4	–	–	– –	–
		214	70	171	23	24	40	91.6	85.7	34.1	M20																
	–	9 27/32	2 11/16	7 23/32	1 7/32	1 1/16	1 1/2	3 17/32	3.386	1.339	1	UCF316	F316	UC316	12.8	123	86.7	13.3	–	–	– –	–	UCF316C	UCF316D	107 4 7/32	14.2
		250	68	196	31	27	38	90	86	34	M27																
85	3 1/4	8 21/32	2 15/32	6 57/64	29/32	15/16	1 13/32	3 7/16	3.374	1.343	3/4	UCF217-52	F217	UC217-52	8.9				–	–	– –	–	–	–	– –	–
		220	63	175	23	24	36	87.6	85.7	34.1	M20	UCF217		UC217	8.9	84.0	61.9	14.5	UCF217C	UCF217D	92.5 3 21/32	8.9	UCF217FC	UCF217FD	107 4 7/32	10.3
	3 7/16	8 7/16	2 3/4	6 47/64	29/32	15/16	1 9/16	3 25/32	3.780	1.563	3/4	UCFX17	FX17	UCX17	10.8				UCFX17C	UCFX17D	101.5 4	10.8	–	–	– –	–
		214	70	171	23	24	40	96.3	96	39.7	M20	UCFX17-55		UCX17-55	10.8	96.1	71.5	14.5	–	–	– –	–	–	–	– –	–
	–	10 1/4	2 29/32	8 1/32	1 7/32	1 1/16	1 47/64	3 15/16	3.780	1.575	1	UCF317	F317	UC317	15.3	133	96.8	13.3	–	–	– –	–	UCF317C	UCF317D	117 4 19/32	16.9
		260	74	204	31	27	44	100	96	40	M27																
90	3 1/2	9 1/4	2 11/16	7 23/64	29/32	31/32	1 9/16	3 25/32	3.780	1.563	3/4	UCF218-56	F218	UC218-56	11.4				–	–	– –	–	–	–	– –	–
		235	68	187	23	25	40	96.3	96	39.7	M20	UCF218		UC218	11.4	96.1	71.5	14.5	UCF218C	UCF218D	101.5 4	11.4	UCF218FC	UCF218FD	116 4 9/16	12.9
	–	8 7/16	3	6 47/64	29/32	15/16	1 49/64	4 3/16	4.094	1.689	3/4	UCFX18	FX18	UCX18	11.9	109	81.9	14.4	–	–	– –	–	UCFX18C	UCFX18C	124 4 7/8	13.6
		214	76	171	23	24	45	106.1	104	42.9	M20																
	3 1/2	11 1/32	3	8 1/2	1 3/8	1 3/16	1 47/64	3 15/16	3.780	1.575	1 1/8	UCF318-56	F318	UC318-56	18.9				–	–	– –	–	–	–	– –	–
		280	76	216	35	30	44	100	96	40	M30	UCF318		UC318	18.9	143	107	13.3	–	–	– –	–	UCF318C	UCF318D	119 4 11/16	20.8
95	–	11 13/32	3 11/16	8 31/32	1 3/8	1 3/16	2 21/64	4 3/4	4.055	1.614	1 1/8	UCF319	F319	UC319	21.6	153	119	13.3	–	–	– –	–	UCF319C	UCF319D	140 5 1/2	23.8
		290	94	228	35	30	59	121	103	41	M30																
100	3 15/16	10 9/16	3 13/16	8 5/16	1 7/32	1 3/32	2 21/64	5	4.626	1.937	1	UCFX20	FX20	UCX20	19.4				–	–	– –	–	UCFX20C	UCFX20D	152 5 31/32	21.6
	4	268	97	211	31	28	59	127.3	117.5	49.2	M27	UCFX20-63		UCX20-63	19.4	133	105	14.4	–	–	– –	–	–	–	– –	–
												UCFX20-64		UCX20-64	19.4				–	–	– –	–	–	–	– –	–
	3 15/16	12 7/32	3 11/16	9 17/32	1 1/2	1 1/4	2 21/64	4 29/32	4.252	1.654	1 1/4	UCF320	F320	UC320	25.8				–	–	– –	–	UCF320C	UCF320D	146 5 3/4	28.6
	4	310	94	242	38	32	59	125	108	42	M33	UCF320-63		UC320-63	25.8	173	141	13.2	–	–	– –	–	–	–	– –	–
												UCF320-64		UC320-64	25.8				–	–	– –	–	–	–	– –	–
105	–	12 7/32	3 11/16	9 17/32	1 1/2	1 1/4	2 21/64	5	4.409	1.732	1 1/4	UCF321	F321	UC321	30.2	184	153	13.2	–	–	– –	–	UCF321C	UCF321D	148 5 13/16	33.2
		310	94	242	38	32	59	127	112	44	M33																
110	–	13 3/8	3 25/32	10 15/32	1 39/64	1 3/8	2 23/64	5 5/32	4.606	1.811	1 3/8	UCF322	F322	UC322	35.3	205	180	13.2	–	–	– –	–	UCF322C	UCF322D	154 6 1/16	41.7
		340	96	266	41	35	60	131	117	46	M36																
120	–	14 9/16	4 11/32	11 27/64	1 39/64	1 9/16	2 9/16	5 1/2	4.961	2.008	1 3/8	UCF324	F324	UC324	47.3	207	185	13.5	–	–	– –	–	UCF324C	UCF324D	163 6 13/32	52.1
		370	110	290	41	40	65	140	126	51	M36																
130	–	16 5/32	4 17/32	12 19/32	1 39/64	1 25/32	2 9/16	5 3/4	5.315	2.126	1 3/8	UCF326	F326	UC326	65.5	229	214	13.6	–	–	– –	–	UCF326C	UCF326D	172 6 25/32	71.6
		410	115	320	41	45	65	146	135	54	M36																
140	–	17 23/32	4 29/32	13 25/32	1 39/64	2 5/32	2 61/64	6 11/32	5.709	2.323	1 3/8	UCF328	F328	UC328	80.4	253	246	13.6	–	–	– –	–	UCF328C	UCF328D	186 7 5/16	89
		450	125	350	41	55	75	161	145	59	M36																

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.

UCF-E
Cylindrical bore (with set screws)
d 12 ~ 50 mm





Shaft Dia. mm	Shaft Dia. inch	Dimensions inch / mm L	A	J	N	A_1	A_2	A_0	B	S	Bolt Size inch	Unit No.	Housing No.	Bearing No.	Basic Load Ratings kN C_r	C_{0r}	Factor f_0	Mass 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		UCF202-10E	F204E	UC202-10	12.8	6.65	13.2	
		86	25.5	64	11	11	15	33.3	31	12.7	3/8							
17												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		UCF205-15E	F205E	UC205-15	14.0	7.85	13.9	0.83
25		95	27	70	12	13	16	35.8	34.1	14.3	3/8	UCF205E		UC205				
	1											UCF205-16E		UC205-16				
	1	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	13.9	1.2
		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		UCF206E		UC206				
	1 3/16	108	31	83	13	13	18	40.2	38.1	15.9	7/16	UCF206-19E	F206E	UC206-19	19.5	11.3	13.9	1.1
30	1 1/4											UCF206-20E		UC206-20				
												UCFX06E		UCX06				
	1 3/16	4 19/32	1 11/32	3 5/8	33/64	9/16	3/4	1 3/4	1.689	0.689	7/16	UCFX06-19E	FX06E	UCX06-19	25.7	15.4	13.9	1.6
	1 1/4	117	34	92	13	14	19	44.4	42.9	17.5		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	13.9	1.5
35		117	34	92	13	15	19	44.4	42.9	17.5		UCF207E		UC207				
	1 7/16											UCF207-23E		UC207-23				
	1 3/8											UCFX07-22E		UCX07-22				
		5 1/8	1 1/2	4 1/64	33/64	9/16	53/64	2 1/32	1.937	0.748		UCFX07E	FX07E	UCX07	29.1	17.8	14.0	2.0
	1 7/16	130	38	102	13	14	21	51.2	49.2	19	7/16	UCFX07-23E		UCX07-23				
	1 1/2											UCF208-24E		UC208-24				
	1 9/16	5 1/8	1 13/32	4 1/64	35/64	19/32	53/64	2 1/32	1.937	0.748		UCF208-25E	F208E	UC208-25	29.1	17.8	14.0	1.9
40		130	36	102	14	15	21	51.2	49.2	19	1/2	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	14.0	2.4
		137	40	105	15	14	22	52.2	49.2	19		UCFX08E		UCX08				
	1 5/8											UCF209-26E		UC209-26				
	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		UCF209-27E	F209E	UC209-27	34.1	21.3	14.0	2.2
	1 3/4	137	38	105	16	16	22	52.2	49.2	19	1/2	UCF209-28E		UC209-28				
45												UCF209E		UC209				
	1 11/16											UCFX09-27E		UCX09-27				
	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		UCFX09-28E	FX09E	UCX09-28	35.1	23.3	14.4	2.7
		143	40	111	15	14	23	55.6	51.6	19	1/2	UCFX09E		UCX09				
	1 7/8											UCF210-30E		UC210-30				
	1 15/16	5 5/8	1 9/16	4 3/8	5/8	5/8	55/64	2 5/32	2.031	0.748		UCF210-31E	F210E	UC210-31	35.1	23.3	14.4	2.5
		143	40	111	16	16	22	54.6	51.6	19	1/2	UCF210E		UC210				
50	2											UCF210-32E		UC210-32				
	1 15/16											UCFX10-31E		UCX10-31				
		6 3/8	1 23/32	5 1/8	21/32	25/32	1 1/32	2 11/32	2.189	0.874		UCFX10E	FX10E	UCX10	43.4	29.4	14.4	3.7
	2	162	44	130	16.5	20	26	59.4	55.6	22.2	9/16	UCFX10-32E		UCX10-32				

Remarks
1. In Part No. of unit, 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
   A-R1/8 ..... 211~217, X10~X17
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. : UCF206EJL3, 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.

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

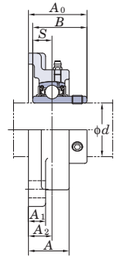
Housing No.		Δ_{A2s}	X
F204E~F210E	FX05E~FX10E	±0.5	0.7
F211E~F217E	FX11E~FX17E	±0.8	1

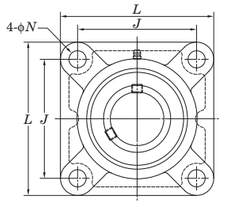
Variations of tolerance of bolt hole diameter (Δ_{Ns})

Unit: mm

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

UCF-E
Cylindrical bore (with set screws)
d 55 ~ 85 mm





Shaft Dia. mm	Shaft Dia. inch	Dimensions inch / mm L	A	J	N	A1	A2	A0	B	S	Bolt Size inch	Unit No.	Housing No.	Bearing No.	Basic Load Ratings kN Cr	Basic Load Ratings kN C0r	Factor f0	Mass kg
55	2	6 3/8	1 11/16	5 1/8	43/64	23/32	63/64	2 5/16	2.189	0.874	5/8	UCF211-32E	F211E	UC211-32	43.4	29.4	14.4	3.4
	2 1/8	162	43	130	17	18	25	58.4	55.6	22.2		UCF211-34E		UC211-34				
												UCF211E		UC211				
	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	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				
60	2 1/4	6 7/8	1 7/8	5 5/8	43/64	23/32	1 9/64	2 23/32	2.563	1.000	5/8	UCF212-36E	F212E	UC212-36	52.4	36.2	14.4	4.2
		175	48	143	17	18	29	68.7	65.1	25.4		UCF212E		UC212				
	2 3/8											UCF212-38E		UC212-38				
	2 7/16											UCF212-39E		UC212-39				
		7 3/8	2 5/16	5 55/64	21/32	13/16	1 11/32	2 29/32	2.563	1.000	9/16	UCFX12E	FX12E	UCX12	57.2	40.1	14.4	5.7
	2 7/16	187	59	149	16.5	21	34	73.7	65.1	25.4		UCFX12-39E		UCX12-39				
65	2 1/2	7 3/8	1 31/32	5 55/64	43/64	7/8	1 3/16	2 3/4	2.563	1.000	5/8	UCF213-40E	F213E	UC213-40	57.2	40.1	14.4	5.2
		187	50	149	17	22	30	69.7	65.1	25.4		UCF213E		UC213				
	2 1/2	7 3/8	1 31/32	5 55/64	21/32	13/16	1 11/32	3 3/32	2.937	1.189	9/16	UCFX13-40E	FX13E	UCX13-40	62.2	44.1	14.5	6.3
		187	59	149	16.5	21	34	78.4	74.6	30.2		UCFX13E		UCX13				
70	2 3/4	7 19/32	2 1/8	5 63/64	3/4	7/8	1 7/32	2 31/32	2.937	1.189	5/8	UCF214-44E	F214E	UC214-44	62.2	44.1	14.5	5.9
		193	54	152	19	22	31	75.4	74.6	30.2		UCF214E		UC214				
	2 3/4	7 3/4	2 3/8	5 63/64	25/32	7/8	1 29/64	3 7/32	3.063	1.331	11/16	UCFX14-44E	FX14E	UCX14-44	67.4	48.3	14.5	7.0
		197	60	152	20	22	37	81.5	77.8	33.3		UCFX14E		UCX14				
75	2 15/16	7 7/8	2 7/32	6 17/64	3/4	7/8	1 11/32	3 3/32	3.063	1.311	5/8	UCF215-47E	F215E	UC215-47	67.4	48.3	14.5	6.4
		200	56	159	19	22	34	78.5	77.8	33.3		UCF215E		UC215				
	3											UCF215-48E		UC215-48				
	2 15/16	7 3/4	2 11/16	5 63/64	25/32	15/16	1 9/16	3 17/32	3.252	1.311	11/16	UCFX15-47E	FX15E	UCX15-47	72.7	53.0	14.6	8.4
		197	68	152	20	24	40	89.3	82.6	33.3		UCFX15E		UCX15				
	3											UCFX15-48E		UCX15-48				
80	3 1/8	8 3/16	2 9/32	6 1/2	3/4	7/8	1 11/32	3 9/32	3.252	1.311	11/16	UCF216-50E	F216E	UC216-50	72.7	53.0	14.6	7.3
		208	58	165	19	22	34	83.3	82.6	33.3		UCF216E		UC216				
	–	8 7/16	2 3/4	6 47/64	25/32	15/16	1 9/16	3 19/32	3.374	1.343	11/16	UCFX16E	FX16E	UCX16	84.0	61.9	14.5	9.4
		214	70	171	20	24	40	91.6	85.7	34.1								
85	3 1/4	8 21/32	2 15/32	6 57/64	3/4	15/16	1 13/32	3 7/16	3.374	1.343	11/16	UCF217-52E	F217E	UC217-52	84.0	61.9	14.5	8.9
		220	63	175	19	24	36	87.6	85.7	34.1		UCF217E		UC217				
	3 7/16	8 7/16	2 3/4	6 47/64	25/32	15/16	1 9/16	3 25/32	3.780	1.563	11/16	UCFX17E	FX17E	UCX17	96.1	71.5	14.5	10.8
		214	70	171	20	24	40	96.3	96	39.7		UCFX17-55E		UCX17-55				

Remarks
1. In Part No. of unit, 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
   A-R1/8 ..... 211~217, X10~X17
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. : UCF206EJL3, 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.

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

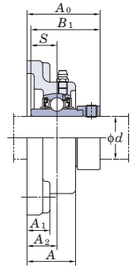
Housing No.		Δ_{A2s}	X
F204E~F210E	FX05E~FX10E	±0.5	0.7
F211E~F217E	FX11E~FX17E	±0.8	1

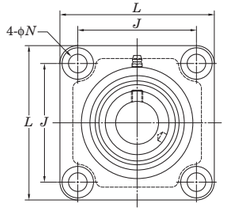
Variations of tolerance of bolt hole diameter (Δ_{Ns})

Unit: mm

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

NANF
Cylindrical bore
(with eccentric locking collar)
d 12 ~ 60 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
NF204~NF210	±0.5	0.7
NF211~NF212	±0.8	1

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

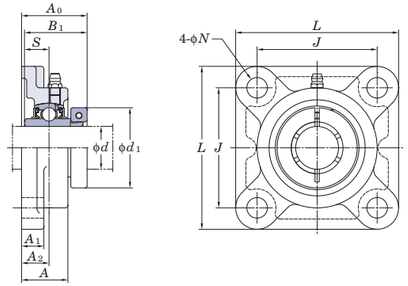
Unit: mm

Housing No.	Δ_{Ns}
NF204~NF212	±0.2

Shaft Dia mm	Shaft Dia inch	Dimensions inch / mm L	A	J	N	A_1	A_2	A_0	B_1	S	Bolt Size inch	Unit No.	Housing No.	Bearing No.		Basic Load Ratings kN C_r	C_{0r}	Factor f_0	Mass kg
12	1/2											NANF201		NA201					
												NANF201-8		NA201-8					
15												NANF202		NA202					
	5/8	3 3/8	1 5/32	2 33/64	7/16	19/32	3/4	1 25/32	1.720	0.673	3/8	NANF202-10	NF204	NA202-10		12.8	6.65	13.2	0.73
17		86	29.5	64	11	15	19	45.6	43.7	17.1		NANF203		NA203					
	3/4											NANF204-12		NA204-12					
20												NANF204		NA204					
25	7/8																		
	15/16	3 3/4	1 7/32	2 3/4	15/32	19/32	25/32	1 27/32	1.748	0.689	7/16	NANF205-14	NF205	NA205-14		14.0	7.85	13.9	0.95
		95	31	70	12	15	20	46.9	44.4	17.5		NANF205-15		NA205-15					
	1											NANF205		NA205					
												NANF205-16		NA205-16					
30	1 1/8											NANF206-18		NA206-18					
		4 1/4	1 11/32	3 17/64	33/64	5/8	53/64	2	1.906	0.720	7/16	NANF206	NF206	NA206		19.5	11.3	13.9	1.4
	1 3/16	108	34	83	13	16	21	51.1	48.4	18.3		NANF206-19		NA206-19					
	1 1/4											NANF206-20		NA206-20					
35	1 1/4											NANF207-20		NA207-20					
	1 5/16											NANF207-21		NA207-21					
	1 3/8	4 19/32	1 7/16	3 5/8	33/64	21/32	27/32	2 1/8	2.012	0.740	7/16	NANF207-22	NF207	NA207-22		25.7	15.4	13.9	1.8
		117	36.5	92	13	17	21.5	53.8	51.1	18.8		NANF207		NA207					
	1 7/16											NANF207-23		NA207-23					
40	1 1/2											NANF208-24		NA208-24					
	1 9/16	5 1/8	1 17/32	4 1/64	35/64	21/32	15/16	2 5/16	2.217	0.843	1/2	NANF208-25	NF208	NA208-25		29.1	17.8	14.0	2.2
		130	39	102	14	17	24	58.9	56.3	21.4		NANF208		NA208					
45	1 5/8											NANF209-26		NA209-26					
	1 11/16	5 13/32	1 9/16	4 9/64	5/8	23/32	15/16	2 5/16	2.217	0.843	9/16	NANF209-27	NF209	NA209-27		34.1	21.3	14.0	2.6
	1 3/4	137	40	105	16	18	24	58.9	56.3	21.4		NANF209-28		NA209-28					
												NANF209		NA209					
50	1 7/8											NANF210-30		NA210-30					
	1 15/16	5 5/8	1 27/32	4 3/8	43/64	25/32	1 1/8	2 5/8	2.469	0.969	9/16	NANF210-31	NF210	NA210-31		35.1	23.3	14.4	3.0
	2	143	46.5	111	17	20	28.5	66.6	62.7	24.6		NANF210		NA210					
												NANF210-32		NA210-32					
55	2											NANF211-32		NA211-32					
	2 1/8	6 3/8	1 31/32	5 1/8	43/64	13/16	1 17/64	2 31/32	2.811	1.094	5/8	NANF211-34	NF211	NA211-34		43.4	29.4	14.4	4.1
	2 3/16	162	50	130	17	21	32	75.6	71.4	27.8		NANF211		NA211					
												NANF211-35		NA211-35					
60	2 1/4											NANF212-36		NA212-36					
		6 7/8	2 5/32	5 5/8	43/64	13/16	1 27/64	3 1/4	3.063	1.220	5/8	NANF212	NF212	NA212		52.4	36.2	14.4	4.9
	2 3/8	175	55	143	17	21	36	82.8	77.8	31		NANF212-38		NA212-38					
	2 7/16											NANF212-39		NA212-39					

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
   A-R1/8 ..... 211~212
3. For the dimensions and forms of applicable bearings, see the dimensional tables of ball bearing for unit.
4. Housings of nodular graphite cast iron are also available.

NCF
Cylindrical bore
(with concentric locking collar)
d 20 ~ 60 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
F204~F210	±0.5	0.7
F211~F212	±0.8	1

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

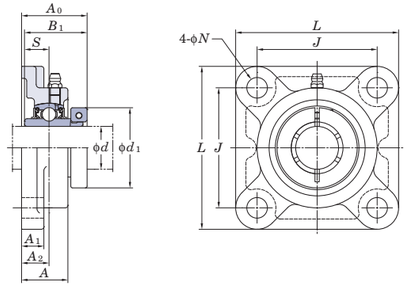
Unit: mm

Housing No.	Δ_{Ns}
F204~F212	±0.2

Shaft Dia. mm	Shaft Dia. inch	Dimensions inch / mm L	A	J	N	A_1	A_2	A_0	B_1	S	d_1	Bolt Size inch / mm	Unit No.	Housing No.	Bearing No.		Basic Load Ratings kN C_r	C_{0r}	Factor f_0	Mass kg
20	3/4	3 3/8	1	2 33/64	15/32	7/16	19/32	1 3/8	1 9/32	0.500	1 3/4	3/8	**NCF204-12**	F204	NC204-12		12.8	6.65	13.2	0.73
		86	25.5	64	12	11	15	34.8	32.5	12.7	44.5	M10	**NCF204**		NC204					
25	7/8												**NCF205-14**	F205	NC205-14		14.0	7.85	13.9	1.0
	15/16	3 3/4	1 1/16	2 3/4	15/32	1/2	5/8	1 1/2	1 7/16	0.563	1 15/16	3/8	**NCF205-15**		NC205-15					
		95	27	70	12	13	16	38.2	36.5	14.3	49.2	M10	**NCF205**		NC205					
	1												**NCF205-16**		NC205-16					
30	1 1/8												**NCF206-18**	F206	NC206-18		19.5	11.3	13.9	1.3
		4 1/4	1 7/32	3 17/64	15/32	1/2	45/64	1 21/32	1 9/16	0.626	2 3/16	3/8	**NCF206**		NC206					
	1 3/16	108	31	83	12	13	18	41.8	39.7	15.9	55.6	M10	**NCF206-19**		NC206-19					
	1 1/4												**NCF206-20**		NC206-20					
35	1 1/4	4 19/32	1 11/32	3 5/8	35/64	19/32	3/4	1 13/16	1 3/4	0.689	2 7/16	7/16	**NCF207-20**	F207	NC207-20		25.7	15.4	13.9	1.8
		117	34	92	14	15	19	46	44.5	17.5	61.9	M12								
	1 3/8												**NCF207-22**	F207	NC207-22		25.7	15.4	13.9	1.8
		4 19/32	1 11/32	3 5/8	35/64	19/32	3/4	1 13/16	1 3/4	0.689	2 9/16	7/16	**NCF207**		NC207					
	1 7/16	117	34	92	14	15	19	46	44.5	17.5	65.1	M12	**NCF207-23**		NC207-23					
40	1 1/2	5 1/8	1 13/32	4 1/64	5/8	19/32	53/64	2 3/32	2	0.748	2 11/16	1/2	**NCF208-24**	F208	NC208-24		29.1	17.8	14.0	2.3
		130	36	102	16	15	21	52.8	50.8	19	68.3	M14	**NCF208**		NC208					
45	1 5/8	5 13/32	1 1/2	4 9/64	5/8	5/8	55/64	2 1/8	2	0.748	2 13/16	1/2	**NCF209-26**	F209	NC209-26		34.1	21.3	14.0	2.6
		137	38	105	16	16	22	53.8	50.8	19	71.4	M14								
	1 11/16												**NCF209-27**	F209	NC209-27		34.1	21.3	14.0	2.6
	1 3/4	5 13/32	1 1/2	4 9/64	5/8	5/8	55/64	2 1/8	2	0.748	2 15/16	1/2	**NCF209-28**		NC209-28					
		137	38	105	16	16	22	53.8	50.8	19	74.6	M14	**NCF209**		NC209					
50	1 15/16												**NCF210-31**	F210	NC210-31		35.1	23.3	14.4	3.1
		5 5/8	1 9/16	4 3/8	5/8	5/8	55/64	2 7/32	2 3/32	0.748	3 3/8	1/2	**NCF210**		NC210					
	2	143	40	111	16	16	22	56.1	53.1	19	85.7	M14	**NCF210-32**		NC210-32					
55	2	6 3/8	1 11/16	5 1/8	3/4	23/32	63/64	2 11/32	2 1/4	0.874	3 1/2	5/8	**NCF211-32**	F211	NC211-32		43.4	29.4	14.4	3.8
		162	43	130	19	18	25	59.9	57.1	22.2	88.9	M16								
	2 3/16	6 3/8	1 11/16	5 1/8	3/4	23/32	63/64	2 11/32	2 1/4	0.874	3 5/8	5/8	**NCF211**	F211	NC211		43.4	29.4	14.4	3.8
		162	43	130	19	18	25	59.9	57.1	22.2	92.1	M16	**NCF211-35**		NC211-35					
60	2 1/4	6 7/8	1 7/8	5 5/8	3/4	23/32	1 9/64	2 25/32	2 5/8	1.000	4 1/16	5/8	**NCF212-36**	F212	NC212-36		52.4	36.2	14.4	4.9
		175	48	143	19	18	29	70.3	66.7	25.4	103.2	M16								
	2 7/16	6 7/8	1 7/8	5 5/8	3/4	23/32	1 9/64	2 25/32	2 5/8	1.000	4 1/8	5/8	**NCF212**	F212	NC212		52.4	36.2	14.4	4.9
		175	48	143	19	18	29	70.3	66.7	25.4	104.8	M16	**NCF212-39**		NC212-39					

Remarks
1. In Part No. of unit, fitting codes follow bore diameter codes. (See **Table 10.5** in P.62.)
2. Part No. of applicable grease fittings are shown below.
   A-1/4-28UNF ..... 204~210
   A-R1/8 ..... 211~212
3. For the dimensions and forms of applicable bearings, see the dimensional tables of ball bearing for unit.
4. Representative examples of the forms of housing are indicated.

NCF-E
Cylindrical bore
(with concentric locking collar)
d 20 ~ 60 mm



Shaft Dia. mm	Shaft Dia. inch	Dimensions inch/mm L	A	J	N	A_1	A_2	A_0	B_1	S	d_1	Bolt Size inch	Unit No.	Housing No.	Bearing No.		Basic Load Ratings kN C_r	C_{0r}	Factor f_0	Mass kg
20	3/4	3 3/8	1	2 33/64	7/16	7/16	19/32	1 3/8	1 9/32	0.500	1 3/4	3/8	**NCF204-12E**	F204E	NC204-12		12.8	6.65	13.2	0.73
		86	25.5	64	11	11	15	34.8	32.5	12.7	44.5		**NCF204E**		NC204					
25	7/8											3/8	**NCF205-14E**	F205E	NC205-14		14.0	7.85	13.9	1.0
	15/16	3 3/4	1 1/16	2 3/4	15/32	1/2	5/8	1 1/2	1 7/16	0.563	1 15/16		**NCF205-15E**		NC205-15					
		95	27	70	12	13	16	38.2	36.5	14.3	49.2		**NCF205E**		NC205					
	1												**NCF205-16E**		NC205-16					
30	1 1/8											7/16	**NCF206-18E**	F206E	NC206-18		19.5	11.3	13.9	1.3
		4 1/4	1 7/32	3 17/64	33/64	1/2	45/64	1 21/32	1 9/16	0.626	2 3/16		**NCF206E**		NC206					
	1 3/16	108	31	83	13	13	18	41.8	39.7	15.9	55.6		**NCF206-19E**		NC206-19					
	1 1/4												**NCF206-20E**		NC206-20					
35	1 1/4	4 19/32	1 11/32	3 5/8	33/64	19/32	3/4	1 13/16	1 3/4	0.689	2 7/16	7/16	**NCF207-20E**	F207E	NC207-20		25.7	15.4	13.9	1.8
		117	34	92	13	15	19	46	44.5	17.5	61.9									
	1 3/8											7/16	**NCF207-22E**	F207E	NC207-22		25.7	15.4	13.9	1.8
		4 19/32	1 11/32	3 5/8	33/64	19/32	3/4	1 13/16	1 3/4	0.689	2 9/16		**NCF207E**		NC207					
	1 7/16	117	34	92	13	15	19	46	44.5	17.5	65.1		**NCF207-23E**		NC207-23					
40	1 1/2	5 1/8	1 13/32	4 1/64	35/64	19/32	53/64	2 3/32	2	0.748	2 11/16	1/2	**NCF208-24E**	F208E	NC208-24		29.1	17.8	14.0	2.3
		130	36	102	14	15	21	52.8	50.8	19	68.3		**NCF208E**		NC208					
45	1 5/8	5 13/32	1 1/2	4 9/64	5/8	5/8	55/64	2 1/8	2	0.748	2 13/16	1/2	**NCF209-26E**	F209E	NC209-26		34.1	21.3	14.0	2.6
		137	38	105	16	16	22	53.8	50.8	19	71.4									
	1 11/16											1/2	**NCF209-27E**	F209E	NC209-27		34.1	21.3	14.0	2.6
	1 3/4	5 13/32	1 1/2	4 9/64	5/8	5/8	55/64	2 1/8	2	0.748	2 15/16		**NCF209-28E**		NC209-28					
		137	38	105	16	16	22	53.8	50.8	19	74.6		**NCF209E**		NC209					
50	1 15/16											1/2	**NCF210-31E**	F210E	NC210-31		35.1	23.3	14.4	3.1
		5 5/8	1 9/16	4 3/8	5/8	5/8	55/64	2 7/32	2 3/32	0.748	3 3/8		**NCF210E**		NC210					
	2	143	40	111	16	16	22	56.1	53.1	19	85.7		**NCF210-32E**		NC210-32					
55	2	6 3/8	1 11/16	5 1/8	43/64	23/32	63/64	2 11/32	2 1/4	0.874	3 1/2	5/8	**NCF211-32E**	F211E	NC211-32		43.4	29.4	14.4	3.8
		162	43	130	17	18	25	59.9	57.1	22.2	88.9									
	2 3/16	6 3/8	1 11/16	5 1/8	43/64	23/32	63/64	2 11/32	2 1/4	0.874	3 5/8	5/8	**NCF211E**	F211E	NC211		43.4	29.4	14.4	3.8
		162	43	130	17	18	25	59.9	57.1	22.2	92.1		**NCF211-35E**		NC211-35					
60	2 1/4	6 7/8	1 7/8	5 5/8	43/64	23/32	1 9/64	2 25/32	2 5/8	1.000	4 1/16	5/8	**NCF212-36E**	F212E	NC212-36		52.4	36.2	14.4	4.9
		175	48	143	17	18	29	70.3	66.7	25.4	103.2									
	2 7/16	6 7/8	1 7/8	5 5/8	43/64	23/32	1 9/64	2 25/32	2 5/8	1.000	4 1/8	5/8	**NCF212E**	F212E	NC212		52.4	36.2	14.4	4.9
		175	48	143	17	18	29	70.3	66.7	25.4	104.8		**NCF212-39E**		NC212-39					

Remarks
1. In Part No. of unit, fitting codes follow bore diameter codes. (See **Table 10.5** in P.62.)
2. Part No. of applicable grease fittings are shown below.
   A-1/4-28UNF ..... 204~208
   A-R1/8 ..... 211~212
3. For the dimensions and forms of applicable bearings, see the dimensional tables of ball bearing for unit.
4. Representative examples of the forms of housing are indicated.

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

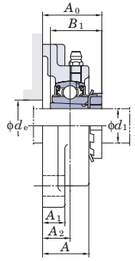
Housing No.	Δ_{A2s}	X
F204E~F208E	±0.5	0.7
F211E~F212E	±0.8	1

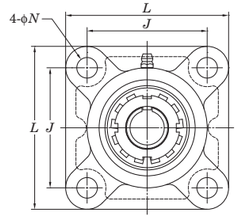
Variations of tolerance of bolt hole diameter (Δ_{Ns})

Unit: mm

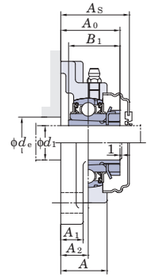
Housing No.	Δ_{Ns}
F204E~F212E	±0.2

UKF
Tapered bore (with adapter)
d_1 20 ~ (50) mm

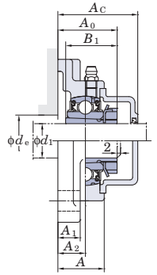




With Pressed Steel Cover



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
F205~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_{Ns})

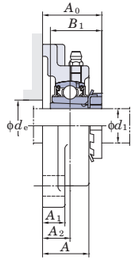
Unit: mm

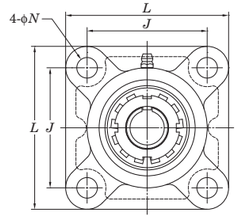
Housing No.			Δ_{Ns}
F205~F218	FX05~FX18	F305~F315	±0.2
	FX20	F316~F328	±0.3

Shaft Dia. d_1 mm	Shaft Dia. d_1 inch	Dimensions inch / mm: L	A	J	N	A_1	A_2	A_0	B_1	d_e (min.)	Bolt Size inch / mm	Standard Unit No.	Housing No.	Bearing No.	Adapter No.	Mass kg	Basic Load Ratings kN: C_r	C_{0r}	Factor f_0	With Pressed Steel Cover Unit No.: Open Type	Closed Type	Dimension mm / inch: A_s	Mass kg	With Cast Iron Cover Unit No.: Open Type	Closed Type	Dimension mm / inch: A_c	Mass kg
20	3/4	3 3/4	1 1/16	2 3/4	15/32	1/2	5/8	1 13/32	1 3/8	1 3/16	3/8	UKF205	F205	UK205	HE2305X	0.87	14.0	7.85	13.9	–	–	– –	–	–	–	– –	–
		95	27	70	12	13	16	36	35	30	M10				H2305X	0.87				UKF205C	UKF205D	40.5 1 19/32	0.87	UKF205FC	UKF205FD	49 1 15/16	1.1
	3/4	4 1/4	1 3/16	3 17/64	15/32	1/2	45/64	1 9/16	1 3/8	1 3/16	3/8	UKFX05	FX05	UKX05	HE2305X	1.2	19.5	11.3	13.9	–	–	– –	–	–	–	– –	–
		108	30	83	12	13	18	39.5	35	30	M10				H2305X	1.2				UKFX05C	UKFX05D	44.5 1 3/4	1.2	–	–	– –	–
	3/4	4 11/32	1 5/32	3 5/32	5/8	1/2	5/8	1 15/32	1 3/8	–	1/2	UKF305	F305	UK305	HE2305X	1.4	21.2	10.9	12.6	–	–	– –	–	–	–	– –	–
		110	29	80	16	13	16	37.5	35	–	M14				H2305X	1.4				–	–	– –	–	UKF305C	UKF305D	54 2 1/8	1.7
25		4 1/4	1 7/32	3 17/64	15/32	1/2	45/64	1 9/16	1 1/2	1 13/32	3/8	UKF206	F206	UK206	H2306X	1.3	19.5	11.3	13.9	UKF206C	UKF206D	44.5 1 3/4	1.3	UKF206FC	UKF206FD	53 2 3/32	1.6
	1	108	31	83	12	13	18	39.5	38	36	M10				HE2306X	1.3				–	–	– –	–	–	–	– –	–
		4 19/32	1 11/32	3 5/8	5/8	9/16	3/4	1 21/32	1 1/2	1 13/32	1/2	UKFX06	FX06	UKX06	H2306X	1.6	25.7	15.4	13.9	UKFX06C	UKFX06D	49 1 15/16	1.6	–	–	– –	–
	1	117	34	92	16	14	19	42	38	36	M14				HE2306X	1.6				–	–	– –	–	–	–	– –	–
		4 29/32	1 1/4	3 47/64	5/8	19/32	45/64	1 5/8	1 1/2	–	1/2	UKF306	F306	UK306	H2306X	1.9	26.7	15.0	13.3	–	–	– –	–	UKF306C	UKF306D	59 2 5/16	2.2
	1	125	32	95	16	15	18	41	38	–	M14				HE2306X	1.9				–	–	– –	–	–	–	– –	–
30	1 1/8	4 19/32	1 11/32	3 5/8	35/64	19/32	3/4	1 11/16	1 11/16	1 5/8	7/16	UKF207	F207	UK207	HS2307X	1.6	25.7	15.4	13.9	–	–	– –	–	–	–	– –	–
		117	34	92	14	15	19	43	43	41	M12				H2307X	1.6				UKF207C	UKF207D	49 1 15/16	1.6	UKF207FC	UKF207FD	58 2 9/32	2.0
	1 1/8	5 1/8	1 1/2	4 1/64	5/8	9/16	53/64	1 27/32	1 11/16	1 5/8	1/2	UKFX07	FX07	UKX07	HS2307X	2.0	29.1	17.8	14.0	–	–	– –	–	–	–	– –	–
		130	38	102	16	14	21	47	43	41	M14				H2307X	2.0				UKFX07C	UKFX07D	55.5 2 3/16	2.0	–	–	– –	–
	1 1/8	5 5/16	1 13/32	3 15/16	3/4	5/8	25/32	1 25/32	1 11/16	–	5/8	UKF307	F307	UK307	HS2307X	2.3	33.4	19.3	13.2	–	–	– –	–	–	–	– –	–
		135	36	100	19	16	20	45.5	43	–	M16				H2307X	2.3				–	–	– –	–	UKF307C	UKF307D	64 2 17/32	2.8
35	1 1/4	5 1/8	1 13/32	4 1/64	5/8	19/32	53/64	1 7/8	1 13/16	1 13/16	1/2	UKF208	F208	UK208	HE2308X	1.9	29.1	17.8	14.0	–	–	– –	–	–	–	– –	–
	1 3/8	130	36	102	16	15	21	48	46	46	M14				HS2308X	1.9				–	–	– –	–	–	–	– –	–
															H2308X	1.9				UKF208C	UKF208D	55.5 2 3/16	1.9	UKF208FC	UKF208FD	64 2 17/32	2.3
	1 1/4														HE2308X	2.3				–	–	– –	–	–	–	– –	–
	1 3/8	5 13/32	1 9/16	4 9/64	3/4	9/16	55/64	1 31/32	1 13/16	1 13/16	5/8	UKFX08	FX08	UKX08	HS2308X	2.3	34.1	21.3	14.0	–	–	– –	–	–	–	– –	–
		137	40	105	19	14	22	50	46	46	M16				H2308X	2.3				UKFX08C	UKFX08D	56.5 2 7/32	2.3	–	–	– –	–
	1 1/4														HE2308X	3.1				–	–	– –	–	–	–	– –	–
	1 3/8	5 29/32	1 9/16	4 13/32	3/4	21/32	29/32	2	1 13/16	–	5/8	UKF308	F308	UK308	HS2308X	3.1	40.7	24.0	13.2	–	–	– –	–	–	–	– –	–
		150	40	112	19	17	23	50.5	46	–	M16				H2308X	3.1				–	–	– –	–	UKF308C	UKF308D	71 2 25/32	3.6
40	1 1/2	5 13/32	1 1/2	4 9/64	5/8	5/8	55/64	2	1 31/32	2 1/16	1/2	UKF209	F209	UK209	HE2309X	2.3	34.1	21.3	14.0	–	–	– –	–	–	–	– –	–
		137	38	105	16	16	22	51	50	52	M14				H2309X	2.3				UKF209C	UKF209D	56.5 2 7/32	2.3	UKF209FC	UKF209FD	66 2 19/32	2.8
	1 1/2	5 5/8	1 9/16	4 3/8	3/4	9/16	29/32	2 1/16	1 31/32	2 1/16	5/8	UKFX09	FX09	UKX09	HE2309X	2.7	35.1	23.3	14.4	–	–	– –	–	–	–	– –	–
		143	40	111	19	14	23	52	50	52	M16				H2309X	2.7				UKFX09C	UKFX09D	60 2 3/8	2.7	–	–	– –	–
	1 1/2	6 5/16	1 23/32	4 59/64	3/4	23/32	63/64	2 5/32	1 31/32	–	5/8	UKF309	F309	UK309	HE2309X	4.1	48.9	29.5	13.3	–	–	– –	–	–	–	– –	–
		160	44	125	19	18	25	55	50	–	M16				H2309X	4.1				–	–	– –	–	UKF309C	UKF309D	76 3	4.7
45	1 3/4	5 5/8	1 9/16	4 3/8	5/8	5/8	55/64	2 1/16	2 5/32	2 9/32	1/2	UKF210	F210	UK210	HE2310X	2.6	35.1	23.3	14.4	–	–	– –	–	–	–	– –	–
		143	40	111	16	16	22	52	55	58	M14				H2310X	2.6				UKF210C	UKF210D	59 2 5/16	2.6	UKF210FC	UKF210FD	70.5 2 25/32	3.1
	1 3/4	6 3/8	1 23/32	5 1/8	3/4	25/32	1 1/32	2 9/32	2 5/32	2 9/32	5/8	UKFX10	FX10	UKX10	HE2310X	3.6	43.4	29.4	14.4	–	–	– –	–	–	–	– –	–
		162	44	130	19	20	26	58	55	58	M16				H2310X	3.6				UKFX10C	UKFX10D	64 2 17/32	3.6	–	–	– –	–
	1 3/4	6 7/8	1 7/8	5 13/64	29/32	3/4	1 7/64	2 3/8	2 5/32	–	3/4	UKF310	F310	UK310	HE2310X	5.1	62.0	38.3	13.2	–	–	– –	–	–	–	– –	–
		175	48	132	23	19	28	60	55	–	M20				H2310X	5.1				–	–	– –	–	UKF310C	UKF310D	83 3 9/32	5.9
50	1 7/8														HS2311X	3.5				–	–	– –	–	–	–	– –	–
		6 3/8	1 11/16	5 1/8	3/4	23/32	63/64	2 1/4	2 5/16	2 17/32	5/8	UKF211	F211	UK211	H2311X	3.5	43.4	29.4	14.4	UKF211C	UKF211D	63 2 15/32	3.5	UKF211FC	UKF211FD	74.5 2 15/16	4.1
	2	162	43	130	19	18	25	57.5	59	64	M16				HE2311X	3.5				–	–	– –	–	–	–	– –	–
	1 7/8														HS2311X	4.6				–	–	– –	–	–	–	– –	–
		6 7/8	1 15/16	5 5/8	3/4	25/32	1 9/64	2 17/32	2 5/16	2 17/32	5/8	UKFX11	FX11	UKX11	H2311X	4.6	52.4	36.2	14.4	UKFX11C	UKFX11D	73.5 2 29/32	4.6	–	–	– –	–
	2	175	49	143	19	20	29	64.5	59	64	M16				HE2311X	4.6				–	–	– –	–	–	–	– –	–

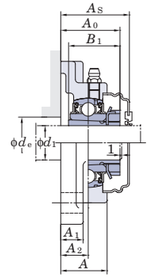
Remarks
1. In Part No. of unit and units with covers, fitting codes follow bore diameter numbers. (See **Table 10.5** in P.62.)
2. Part No. of applicable grease fittings are shown below.
   A-1/4-28UNF ..... 205~210, X05~X09, 305~308
   A-R1/8 ..... 211~218, X10~X20, 309~328
3. In Part No. of unit with adapters and bearing with adapters, Part No. of applicable adapter follow the Part No. shown in the dimensional tables. (Example of Part No. : UKF206J + H2306X, UK206 + H2306X)
4. As for the triple seal type product (205 is the double seal type product), suffix code L3 (L2) follows the Part No. of unit or bearing. (Example of Part No. : UKF206JL3 + H2306X, UK206L3 + H2306X)
5. For the dimensions and forms of applicable bearings and adapters, see the dimensional tables of ball bearing for unit and adapter.
6. Housings of nodular graphite cast iron are also available.

UKF
Tapered bore (with adapter)
d_1 (50) ~ (90) mm

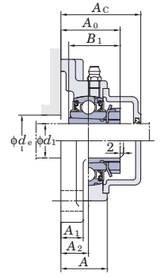




With Pressed Steel Cover



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
F205~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_{Ns})

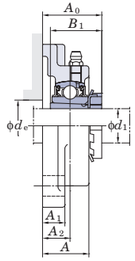
Unit: mm

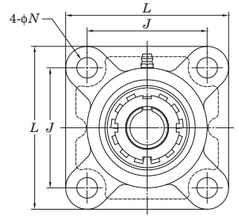
Housing No.			Δ_{Ns}
F205~F218	FX05~FX18	F305~F315	±0.2
	FX20	F316~F328	±0.3

Shaft Dia. mm / inch d_1		Dimensions inch / mm L	A	J	N	A_1	A_2	A_0	B_1	d_e (min.)	Bolt Size inch / mm	Standard Unit No.	Housing No.	Bearing No.	Adapter No.	Mass kg	Basic Load Ratings kN C_r	C_{0r}	Factor f_0	With Pressed Steel Cover Unit No. Open Type	Closed Type	Dimension mm / inch A_s	Mass kg	With Cast Iron Cover Unit No. Open Type	Closed Type	Dimension mm / inch A_c	Mass kg
50	1 7/8	7 9/32	2 1/16	5 33/64	29/32	25/32	1 3/16	2 17/32	2 5/16	–	3/4	UKF311	F311	UK311	HS2311X	5.9				–	–	– –	–	–	–	– –	–
		185	52	140	23	20	30	64	59	–	M20				H2311X	5.9	71.6	45.0	13.2	–	–	– –	–	UKF311C	UKF311D	87 3 7/16	6.8
	2														HE2311X	5.9				–	–	– –	–	–	–	– –	–
55	2 1/8	6 7/8	1 7/8	5 5/8	3/4	23/32	1 9/64	2 19/32	2 7/16	2 23/32	5/8	UKF212	F212	UK212	HS2312X	4.1				–	–	– –	–	–	–	– –	–
		175	48	143	19	18	29	65.5	62	69	M16				H2312X	4.1	52.4	36.2	14.4	UKF212C	UKF212D	73.5 2 29/32	4.1	UKF212FC	UKF212FD	86 3 3/8	4.9
	2 1/8	7 3/8	2 5/16	5 55/64	3/4	13/16	1 11/32	2 9/16	2 7/16	2 23/32	5/8	UKFX12	FX12	UKX12	HS2312X	5.5				–	–	– –	–	–	–	– –	–
		187	59	149	19	21	34	65	62	69	M16				H2312X	5.5	57.2	40.1	14.4	UKFX12C	UKFX12D	78.5 3 3/32	5.5	–	–	– –	–
	2 1/8	7 11/16	2 7/32	5 29/32	29/32	7/8	1 19/64	2 3/4	2 7/16	–	3/4	UKF312	F312	UK312	HS2312X	6.8				–	–	– –	–	–	–	– –	–
		195	56	150	23	22	33	69.5	62	–	M20				H2312X	6.8	81.9	52.2	13.2	–	–	– –	–	UKF312C	UKF312D	95 3 3/4	8.0
60	2 1/4	7 3/8	1 31/32	5 55/64	3/4	7/8	1 3/16	2 21/32	2 9/16	2 29/32	5/8	UKF213	F213	UK213	HE2313X	5.1				–	–	– –	–	–	–	– –	–
		187	50	149	19	22	30	67.5	65	74	M16				H2313X	5.1	57.2	40.1	14.4	UKF213C	UKF213D	74.5 2 15/16	5.1	UKF213FC	UKF213FD	87 3 7/16	6.0
	2 3/8														HS2313X	5.1				–	–	– –	–	–	–	– –	–
	2 1/4														HE2313X	6.0				–	–	– –	–	–	–	– –	–
		7 3/8	2 5/16	5 55/64	3/4	13/16	1 11/32	2 11/16	2 9/16	2 29/32	5/8	UKFX13	FX13	UKX13	H2313X	6.0				UKFX13C	UKFX13D	83.5 3 9/32	6.0	–	–	– –	–
	2 3/8	187	59	149	19	21	34	68	65	74	M16				HS2313X	6.0	62.2	44.1	14.5	–	–	– –	–	–	–	– –	–
	2 1/4														HE2313X	7.9				–	–	– –	–	–	–	– –	–
		8 3/16	2 9/32	6 17/32	29/32	7/8	1 19/64	2 13/16	2 9/16	–	3/4	UKF313	F313	UK313	H2313X	7.9				–	–	– –	–	UKF313C	UKF313D	94 3 11/16	9.0
	2 3/8	208	58	166	23	22	33	71.5	65	–	M20				HS2313X	7.9	92.7	59.9	13.2	–	–	– –	–	–	–	– –	–
65	2 1/2	7 7/8	2 7/32	6 17/64	3/4	7/8	1 11/32	2 15/16	2 7/8	3 11/32	5/8	UKF215	F215	UK215	HE2315X	6.5				–	–	– –	–	–	–	– –	–
		200	56	159	19	22	34	74.5	73	85	M16				H2315X	6.5	67.4	48.3	14.5	UKF215C	UKF215D	83.5 3 9/32	6.5	UKF215FC	UKF215FD	96 3 25/32	7.5
	2 1/2	7 3/4	2 11/16	5 63/64	29/32	15/16	1 9/16	3	2 7/8	3 11/32	3/4	UKFX15	FX15	UKX15	HE2315X	8.1				–	–	– –	–	–	–	– –	–
		197	68	152	23	24	40	76	73	85	M20				H2315X	8.1	72.7	53.0	14.6	UKFX15C	UKFX15D	94.5 3 23/32	8.1	–	–	– –	–
	2 1/2	9 9/32	2 19/32	7 1/4	63/64	31/32	1 17/32	3 7/32	2 7/8	–	7/8	UKF315	F315	UK315	HE2315X	11.7				–	–	– –	–	–	–	– –	–
		236	66	184	25	25	39	81.5	73	–	M22				H2315X	11.7	113	77.2	13.2	–	–	– –	–	UKF315C	UKF315D	106 4 3/16	13.1
	2 3/4	8 3/16	2 9/32	6 1/2	29/32	7/8	1 11/32	3 3/32	3 1/16	3 17/32	3/4	UKF216	F216	UK216	HE2316X	7.6				–	–	– –	–	–	–	– –	–
		208	58	165	23	22	34	78.5	78	90	M20				H2316X	7.6	72.7	53.0	14.6	UKF216C	UKF216D	88.5 3 15/32	7.6	UKF216FC	UKF216FD	103 4 1/16	8.9
70	2 3/4	8 7/16	2 3/4	6 47/64	29/32	15/16	1 9/16	3 1/8	3 1/16	3 17/32	3/4	UKFX16	FX16	UKX16	HE2316X	9.5				–	–	– –	–	–	–	– –	–
		214	70	171	23	24	40	79	78	90	M20				H2316X	9.5	84.0	61.9	14.5	UKFX16C	UKFX16D	96.5 3 25/32	9.5	–	–	– –	–
	2 3/4	9 27/32	2 11/16	7 23/32	1 7/32	1 1/16	1 1/2	3 1/4	3 1/16	–	1	UKF316	F316	UK316	HE2316X	12.9				–	–	– –	–	–	–	– –	–
		250	68	196	31	27	38	82.5	78	–	M27				H2316X	12.9	123	86.7	13.3	–	–	– –	–	UKF316C	UKF316D	107 4 7/32	14.5
		8 21/32	2 15/32	6 57/64	29/32	15/16	1 13/32	3 1/4	3 7/32	3 25/32	3/4	UKF217	F217	UK217	H2317X	9.0				UKF217C	UKF217D	92.5 3 21/32	9.0	UKF217FC	UKF217FD	107 4 7/32	10.4
	3	220	63	175	23	24	36	82.5	82	96	M20				HE2317X	9.0	84.0	61.9	14.5	–	–	– –	–	–	–	– –	–
75		8 7/16	2 3/4	6 47/64	29/32	15/16	1 9/16	3 7/32	3 7/32	3 25/32	3/4	UKFX17	FX17	UKX17	H2317X	10.4				UKFX17C	UKFX17D	101.5 4	10.4	–	–	– –	–
	3	214	70	171	23	24	40	82	82	96	M20				HE2317X	10.4	96.1	71.5	14.5	–	–	– –	–	–	–	– –	–
		10 1/4	2 29/32	8 1/32	1 7/32	1 1/16	1 47/64	3 5/8	3 7/32	–	1	UKF317	F317	UK317	H2317X	15.2				–	–	– –	–	UKF317C	UKF317D	117 4 19/32	17.0
	3	260	74	204	31	27	44	92	82	–	M27				HE2317X	15.2	133	96.8	13.3	–	–	– –	–	–	–	– –	–
	–	9 1/4	2 11/16	7 23/64	29/32	31/32	1 9/16	3 17/32	3 3/8	4 1/32	3/4	UKF218	F218	UK218	H2318X	11.4	96.1	71.5	14.5	UKF218C	UKF218D	101.5 4	11.4	UKF218FC	UKF218FD	116 4 9/16	13.0
		235	68	187	23	25	40	89.5	86	102	M20																
80	–	8 7/16	3	6 47/64	29/32	15/16	1 49/64	3 15/32	3 3/8	4 1/32	3/4	UKFX18	FX18	UKX18	H2318X	11.4	109	81.9	14.4	–	–	– –	–	UKFX18C	UKFX18D	124 4 7/8	13.3
		214	76	171	23	24	45	88	86	102	M20																
	–	11 1/32	3	8 1/2	1 3/8	1 3/16	1 47/64	3 5/8	3 3/8	–	1 1/8	UKF318	F318	UK318	H2318X	19.0	143	107	13.3	–	–	– –	–	UKF318C	UKF318D	119 4 11/16	21.1
		280	76	216	35	30	44	92	86	–	M30																
85	3 1/4	11 13/32	3 11/16	8 31/32	1 3/8	1 3/16	2 21/64	4 3/8	3 17/32	–	1 1/8	UKF319	F319	UK319	HE2319X	21.9				–	–	– –	–	–	–	– –	–
		290	94	228	35	30	59	111	90	–	M30				H2319X	21.9	153	119	13.3	–	–	– –	–	UKF319C	UKF319D	140 5 1/2	24.3
90	3 1/2	10 9/16	3 13/16	8 5/16	1 7/32	1 3/32	2 21/64	4 3/16	3 13/16	4 13/32	1	UKFX20	FX20	UKX20	HE2320X	18.4				–	–	– –	–	–	–	– –	–
		268	97	211	31	28	59	106	97	112	M27				H2320X	18.4	133	105	14.4	–	–	– –	–	UKFX20C	UKFX20D	152 5 31/32	20.9

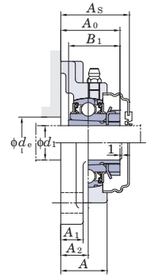
Remarks
1. In Part No. of unit and units with covers, fitting codes follow bore diameter numbers. (See **Table 10.5** in P.62.)
2. Part No. of applicable grease fittings are shown below.
   A-1/4-28UNF ..... 205~210, X05~X09, 305~308
   A-R1/8 ..... 211~218, X10~X20, 309~328
3. In Part No. of unit with adapters and bearing with adapters, Part No. of applicable adapter follow the Part No. shown in the dimensional tables. (Example of Part No. : UKF206J + H2306X, UK206 + H2306X)
4. As for the triple seal type product (205 is the double seal type product), suffix code L3 (L2) follows the Part No. of unit or bearing. (Example of Part No. : UKF206JL3 + H2306X, UK206L3 + H2306X)
5. For the dimensions and forms of applicable bearings and adapters, see the dimensional tables of ball bearing for unit and adapter.
6. Housings of nodular graphite cast iron are also available.

UKF
Tapered bore (with adapter)
d_1 (90) ~ 125 mm

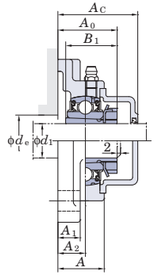




With Pressed Steel Cover



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
F205~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_{Ns})

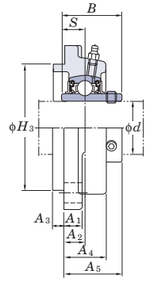
Unit: mm

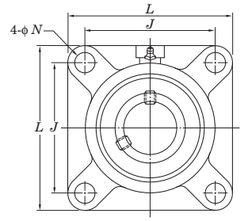
Housing No.			Δ_{Ns}
F205~F218	FX05~FX18	F305~F315	±0.2
	FX20	F316~F328	±0.3

Shaft Dia. mm d_1	Shaft Dia. inch d_1	Dimensions mm L	A	J	N	A_1	A_2	A_0	B_1	d_e (min.)	Bolt Size mm	Bolt Size inch	Standard Unit No.	Housing No.	Bearing No.	Adapter No.	Mass kg	Basic Load Ratings kN C_r	C_{0r}	Factor f_0	With Pressed Steel Cover Unit No. Open Type	Closed Type	Dimension mm A_s	Dimension inch A_s	Mass kg	With Cast Iron Cover Unit No. Open Type	Closed Type	Dimension mm A_c	Dimension inch A_c	Mass kg
90	3 1/2	12 7/32	3 11/16	9 17/32	1 1/2	1 1/4	2 21/64	4 7/16	3 13/16	–	1 1/4		UKF320	F320	UK320	HE2320X	25.4	173	141	13.2	–	–	–	–	–	–	–	–	–	–
		310	94	242	38	32	59	113	97	–	M33					H2320X	25.4				–	–	–	–	–	UKF320C	UKF320D	146	5 3/4	28.5
100		13 3/8	3 25/32	10 15/32	1 39/64	1 3/8	2 23/64	4 23/32	4 1/8	–	1 3/8		UKF322	F322	UK322	H2322X	35.2	205	180	13.2	–	–	–	–	–	UKF322C	UKF322D	154	6 1/16	38.7
	4	340	96	266	41	35	60	120	105	–	M36					HE2322X	35.2				–	–	–	–	–	–	–	–	–	–
110	–	14 9/16	4 11/32	11 27/64	1 39/64	1 9/16	2 9/16	5 1/8	4 13/32	–	1 3/8		UKF324	F324	UK324	H2324	47.6	207	185	13.5	–	–	–	–	–	UKF324C	UKF324D	163	6 13/32	52.7
		370	110	290	41	40	65	130.5	112	–	M36																			
115	4 1/2	16 5/32	4 17/32	12 19/32	1 39/64	1 25/32	2 9/16	5 3/16	4 3/4	–	1 3/8		UKF326	F326	UK326	HE2326	65.3	229	214	13.6	–	–	–	–	–	–	–	–	–	–
		410	115	320	41	45	65	131.5	121	–	M36					H2326	65.3				–	–	–	–	–	UKF326C	UKF326D	172	6 25/32	71.9
125	–	17 23/32	4 29/32	13 25/32	1 39/64	2 5/32	2 61/64	5 13/16	5 5/32	–	1 3/8		UKF328	F328	UK328	H2328	74.9	253	246	13.6	–	–	–	–	–	UKF328C	UKF328D	186	7 5/16	83.5
		450	125	350	41	55	75	147.5	131	–	M36																			

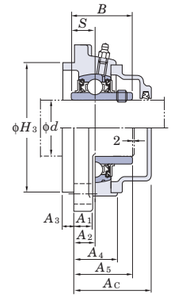
Remarks
1. In Part No. of unit and units with covers, fitting codes follow bore diameter numbers. (See **Table 10.5** in P.62.)
2. Part No. of applicable grease fittings are shown below.
   A-1/4-28UNF ..... 205~210, X05~X09, 305~308
   A-R1/8 ..... 211~218, X10~X20, 309~328
3. In Part No. of unit with adapters and bearing with adapters, Part No. of applicable adapter follow the Part No. shown in the dimensional tables. (Example of Part No. : UKF206J + H2306X, UK206 + H2306X)
4. As for the triple seal type product (205 is the double seal type product), suffix code L3 (L2) follows the Part No. of unit or bearing. (Example of Part No. : UKF206JL3 + H2306X, UK206L3 + H2306X)
5. For the dimensions and forms of applicable bearings and adapters, see the dimensional tables of ball bearing for unit and adapter.
6. Housings of nodular graphite cast iron are also available.

UCFS
Cylindrical bore (with set screws)
d 25 ~ 140 mm





With Cast Iron Cover



Variations of tolerance of spigot joint outside diameter (Δ_{H3a}), variations of tolerance of distance from mounting surface to center of spherical bore (Δ_{A2a}), tolerance of position of bolt hole (X), and tolerance of circumferential runout of spigot joint (Y)

Unit: mm

Housing No.	Δ_{H3a}	Δ_{A2a}	X	Y
FS305	0 −0.046	±0.5	0.7	0.2
FS306~FS308	0 −0.054			
FS309~FS310	0 −0.063			
FS311~FS313		±0.8	1	0.3 ~FS318
FS314~FS319	0 −0.072			FS319~ 0.4
FS320~FS322	0 −0.081			
FS324~FS328	0 −0.089			

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

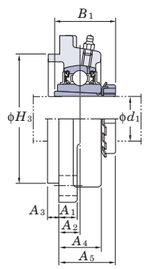
Unit: mm

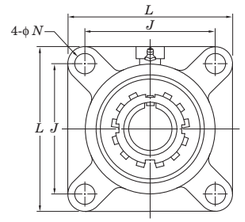
Housing No.	Δ_{Na}
FS305~315	±0.2
FS316~328	±0.3

Shaft Dia. mm	Shaft Dia. inch	Dimensions inch / mm											Bolt Size inch / mm	Standard Unit No.	Standard Housing No.	Standard Bearing No.		Mass	Basic Load Ratings kN		Factor	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	With Cast Iron Cover Mass
d		L	H_3	J	N	A_1	A_2	A_3	A_4	A_5	B	S						kg	C_r	C_{0r}	f_0			A_c		kg
25	1	4 11/32	3.1496	3 5/32	5/8	1/2	23/64	9/32	7/8	1 1/4	1.496	0.591	1/2	UCFS305	FS305	UC305		1.4	21.2	10.9	12.6	UCFS305C	UCFS305D	47	1 27/32	1.7
		110	80	80	16	13	9	7	22	32	38	15	M14	UCFS305-16		UC305-16		1.4				–	–	–	–	–
30	–	4 29/32	3.5433	3 47/64	5/8	19/32	25/64	5/16	15/16	1 13/32	1.693	0.669	1/2	UCFS306	FS306	UC306		1.9	26.7	15.0	13.3	UCFS306C	UCFS306D	51	2	2.2
		125	90	95	16	15	10	8	24	36	43	17	M14													
35	–	5 5/16	3.9370	3 15/16	3/4	5/8	7/16	23/64	1 1/16	1 9/16	1.890	0.748	5/8	UCFS307	FS307	UC307		2.3	33.4	19.3	13.2	UCFS307C	UCFS307D	55	2 5/32	2.7
		135	100	100	19	16	11	9	27	40	48	19	M16													
40	1 1/2	5 29/32	4.5276	4 13/32	3/4	21/32	33/64	25/64	1 3/16	1 13/16	2.047	0.748	5/8	UCFS308-24	FS308	UC308-24		3.4	40.7	24.0	13.2	–	–	–	–	–
		150	115	112	19	17	13	10	30	46	52	19	M16	UCFS308		UC308		3.4				UCFS308C	UCFS308D	61	2 13/32	3.9
45	1 3/4	6 5/16	4.9213	4 59/64	3/4	23/32	35/64	7/16	1 5/16	1 15/16	2.244	0.866	5/8	UCFS309-28	FS309	UC309-28		4.4	48.9	29.5	13.3	–	–	–	–	–
		160	125	125	19	18	14	11	33	49	57	22	M16	UCFS309		UC309		4.4				UCFS309C	UCFS309D	65	2 9/16	5.0
50	–	6 7/8	5.5118	5 13/64	29/32	3/4	5/8	15/32	1 13/32	2 5/32	2.402	0.866	3/4	UCFS310	FS310	UC310		5.3	62.0	38.3	13.2	UCFS310C	UCFS310D	71	2 25/32	6.1
		175	140	132	23	19	16	12	36	55	61	22	M20													
55	2	7 9/32	5.9055	5 33/64	29/32	25/32	43/64	33/64	1 17/32	2 9/32	2.598	0.984	3/4	UCFS311-32	FS311	UC311-32		6.1	71.6	45.0	13.2	–	–	–	–	–
														UCFS311		UC311		6.1				UCFS311C	UCFS311D	74	2 29/32	7.0
	2 3/16	185	150	140	23	20	17	13	39	58	66	25	M20	UCFS311-35		UC311-35		6.1				–	–	–	–	–
60	2 7/16	7 11/16	6.2992	5 29/32	29/32	7/8	3/4	35/64	1 21/32	2 17/32	2.795	1.024	3/4	UCFS312	FS312	UC312		7.4	81.9	52.2	13.2	UCFS312C	UCFS312D	81	3 3/16	8.6
		195	160	150	23	22	19	14	42	64	71	26	M20	UCFS312-39		UC312-39		7.4				–	–	–	–	–
65	2 1/2	8 3/16	6.8898	6 17/32	29/32	7/8	19/32	45/64	1 9/16	2 3/8	2.953	1.181	3/4	UCFS313-40	FS313	UC313-40		8.8	92.7	59.9	13.2	–	–	–	–	–
		208	175	166	23	22	15	18	40	60	75	30	M20	UCFS313		UC313		8.8				UCFS313C	UCFS313D	76	3	9.9
70	2 3/4	8 29/32	7.2835	7 1/64	63/64	31/32	45/64	45/64	1 11/16	2 15/32	3.071	1.299	7/8	UCFS314-44	FS314	UC314-44		11.2	104	68.2	13.2	–	–	–	–	–
		226	185	178	25	25	18	18	43	63	78	33	M22	UCFS314		UC314		11.2				UCFS314C	UCFS314D	80	3 5/32	12.3
75	2 15/16	9 9/32	7.8740	7 1/4	63/64	31/32	53/64	45/64	1 7/8	2 25/32	3.228	1.260	7/8	UCFS315-47	FS315	UC315-47		13.7	113	77.2	13.2	–	–	–	–	–
														UCFS315		UC315		13.7				UCFS315C	UCFS315D	88	3 15/32	15.0
	3	236	200	184	25	25	21	18	48	71	82	32	M22	UCFS315-48		UC315-48		13.7				–	–	–	–	–
80	–	9 27/32	8.2677	7 23/32	1 7/32	1 1/16	45/64	25/32	1 7/8	2 3/4	3.386	1.339	1	UCFS316	FS316	UC316		15.1	123	86.7	13.3	UCFS316C	UCFS316D	87	3 7/16	16.5
		250	210	196	31	27	18	20	48	70	86	34	M27													
85	–	10 1/4	8.6614	8 1/32	1 7/32	1 1/16	15/16	25/32	2 1/8	3 5/32	3.780	1.575	1	UCFS317	FS317	UC317		17.3	133	96.8	13.3	UCFS317C	UCFS317D	97	3 13/16	18.9
		260	220	204	31	27	24	20	54	80	96	40	M27													
90	3 1/2	11 1/32	9.4488	8 1/2	1 3/8	1 3/16	15/16	25/32	2 7/32	3 5/32	3.780	1.575	1 1/8	UCFS318-56	FS318	UC318-56		21.3	143	107	13.3	–	–	–	–	–
		280	240	216	35	30	24	20	56	80	96	40	M30	UCFS318		UC318		21.3				UCFS318C	UCFS318D	99	3 29/32	23.2
95	–	11 13/32	9.8425	8 31/32	1 3/8	1 3/16	1 17/32	25/32	2 29/32	3 31/32	4.055	1.614	1 1/8	UCFS319	FS319	UC319		24.5	153	119	13.3	UCFS319C	UCFS319D	120	4 23/32	26.7
		290	250	228	35	30	39	20	74	101	103	41	M30													
100	3 15/16	12 7/32	10.2362	9 17/32	1 1/2	1 1/4	1 17/32	25/32	2 29/32	4 1/8	4.252	1.654	1 1/4	UCFS320	FS320	UC320		29.5	173	141	13.2	UCFS320C	UCFS320D	126	4 31/32	32.3
														UCFS320-63		UC320-63		29.5				–	–	–	–	–
	4	310	260	242	38	32	39	20	74	105	108	42	M33	UCFS320-64		UC320-64		29.5				–	–	–	–	–
105	–	12 7/32	10.2362	9 17/32	1 1/2	1 1/4	1 17/32	25/32	2 29/32	4 7/32	4.409	1.732	1 1/4	UCFS321	FS321	UC321		32.7	184	153	13.2	UCFS321C	UCFS321D	128	5 1/32	35.7
		310	260	242	38	32	39	20	74	107	112	44	M33													
110	–	13 3/8	11.8110	10 15/32	1 39/64	1 3/8	1 3/8	63/64	2 25/32	4 3/16	4.606	1.811	1 3/8	UCFS322	FS322	UC322		39.0	205	180	13.2	UCFS322C	UCFS322D	129	5 3/32	42.4
		340	300	266	41	35	35	25	71	106	117	46	M36													
120	–	14 9/16	12.9921	11 27/64	1 39/64	1 9/16	1 3/8	1 3/16	3 5/32	4 11/32	4.961	2.008	1 3/8	UCFS324	FS324	UC324		50.6	207	185	13.5	UCFS324C	UCFS324D	133	5 1/4	55.4
		370	330	290	41	40	35	30	80	110	126	51	M36													
130	–	16 5/32	14.1732	12 19/32	1 39/64	1 25/32	1 3/8	1 3/16	3 11/32	4 9/16	5.315	2.126	1 3/8	UCFS326	FS326	UC326		67.7	229	214	13.6	UCFS326C	UCFS326D	142	5 29/32	73.8
		410	360	320	41	45	35	30	85	116	135	54	M36													
140	–	17 23/32	15.7480	13 25/32	1 39/64	2 5/32	1 49/64	1 3/16	3 3/4	5 5/32	5.709	2.323	1 3/8	UCFS328	FS328	UC328		94.0	253	246	13.6	UCFS328C	UCFS328D	156	6 5/32	102

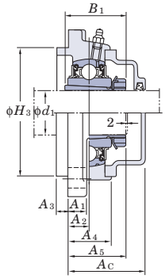
Remarks
1. In Part No. of unit and units with covers, fitting codes follow bore diameter numbers. (See **Table 10.5** in P.62.)
2. Part No. of applicable grease fittings are shown below.
   A-1/4-28UNF ..... 305~308
   A-R1/8 ..... 309~328
3. As for the triple seal type product, suffix code L3 follows the Part No. of unit or bearing. (Example of Part No. : UCFS307JL3, UC307L3)
4. 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.

UKFS
Tapered bore (with adapter)
d_1 20 ~ 125 mm





With Cast Iron Cover



Variations of tolerance of spigot joint outside diameter (Δ_{H3a}), variations of tolerance of distance from mounting surface to center of spherical bore (Δ_{A2a}), tolerance of position of bolt hole (X), and tolerance of circumferential runout of spigot joint (Y)

Unit: mm

Housing No.	Δ_{H3a}	Δ_{A2a}	X	Y
FS305	0 −0.046	±0.5	0.7	0.2
FS306~FS308	0 −0.054			
FS309~FS310	0 −0.063	±0.8	1	0.3 ~FS318 FS319~ 0.4
FS311~FS313				
FS315~FS319	0 −0.072			
FS320~FS322	0 −0.081			
FS324~FS328	0 −0.089			

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

Unit: mm

Housing No.	Δ_{Na}
FS305~315	±0.2
FS316~328	±0.3

Shaft Dia. mm	Shaft Dia. inch	Dimensions inch / mm										Bolt Size inch / mm	Standard Unit No.	Standard Housing No.	Standard Bearing No.	Adapter No.	Mass	Basic Load Ratings kN		Factor	With Cast Iron Cover Unit No. Open Type	With Cast Iron Cover Unit No. Closed Type	With Cast Iron Cover Dimension mm / inch		With Cast Iron Cover Mass
d_1		L	H_3	J	N	A_1	A_2	A_3	A_4	A_5	B_1						kg	C_r	C_{0r}	f_0			A_c		kg
20	3/4	4 11/32	3.1496	3 5/32	5/8	1/2	23/64	9/32	7/8	1 3/16	1 3/8	1/2	UKFS305	FS305	UK305	HE2305X	1.4	21.2	10.9	12.6	–	–	–	–	–
		110	80	80	16	13	9	7	22	30.5	35	M14				H2305X	1.4				UKFS305C	UKFS305D	47	1 27/32	1.7
25	1	4 29/32	3.5433	3 47/64	5/8	19/32	25/64	5/16	15/16	1 5/16	1 1/2	1/2	UKFS306	FS306	UK306	H2306X	1.9	26.7	15.0	13.3	UKFS306C	UKFS306D	51	2	2.2
		125	90	95	16	15	10	8	24	33	38	M14				HE2306X	1.9				–	–	–	–	–
30	1 1/8	5 5/16	3.9370	3 15/16	3/4	5/8	7/16	23/64	1 1/16	1 7/16	1 11/16	5/8	UKFS307	FS307	UK307	HS2307X	2.4	33.4	19.3	13.2	–	–	–	–	–
		135	100	100	19	16	11	9	27	36.5	43	M16				H2307X	2.4				UKFS307C	UKFS307D	55	2 5/32	2.9
35	1 1/4 1 3/8	5 29/32	4.5276	4 13/32	3/4	21/32	33/64	25/64	1 3/16	1 19/32	1 13/16	5/8	UKFS308	FS308	UK308	HE2308X	3.4	40.7	24.0	13.2	–	–	–	–	–
		150	115	112	19	17	13	10	30	40.5	46	M16				HS2308X	3.4				–	–	–	–	–
																H2308X	3.4				UKFS308C	UKFS308D	61	2 13/32	3.9
40	1 1/2	6 5/16	4.9213	4 59/64	3/4	23/32	35/64	7/16	1 5/16	1 23/32	1 31/32	5/8	UKFS309	FS309	UK309	HE2309X	4.4	48.9	29.5	13.3	–	–	–	–	–
		160	125	125	19	18	14	11	33	44	50	M16				H2309X	4.4				UKFS309C	UKFS309D	65	2 9/16	5.0
45	1 3/4	6 7/8	5.5118	5 13/64	29/32	3/4	5/8	15/32	1 13/32	1 7/8	2 5/32	3/4	UKFS310	FS310	UK310	HE2310X	5.3	62.0	38.3	13.2	–	–	–	–	–
		175	140	132	23	19	16	12	36	48	55	M20				H2310X	5.3				UKFS310C	UKFS310D	71	2 25/32	6.1
50	1 7/8 2	7 9/32	5.9055	5 33/64	29/32	25/32	43/64	33/64	1 17/32	2	2 5/16	3/4	UKFS311	FS311	UK311	HS2311X	6.3	71.6	45.0	13.2	–	–	–	–	–
		185	150	140	23	20	17	13	39	51	59	M20				H2311X	6.3				UKFS311C	UKFS311D	74	2 29/32	7.2
																HE2311X	6.3				–	–	–	–	–
55	2 1/8	7 11/16	6.2992	5 29/32	29/32	7/8	3/4	35/64	1 21/32	2 3/16	2 7/16	3/4	UKFS312	FS312	UK312	HS2312X	7.3	81.9	52.2	13.2	–	–	–	–	–
		195	160	150	23	22	19	14	42	55.5	62	M20				H2312X	7.3				UKFS312C	UKFS312D	81	3 3/16	8.5
60	2 1/4 2 3/8	8 3/16	6.8898	6 17/32	29/32	7/8	19/32	45/64	1 9/16	2 3/32	2 9/16	3/4	UKFS313	FS313	UK313	HE2313X	8.9	92.7	59.9	13.2	–	–	–	–	–
		208	175	166	23	22	15	18	40	53.5	65	M20				H2313X	8.9				UKFS313C	UKFS313D	76	3	10.0
																HS2313X	8.9				–	–	–	–	–
65	2 1/2	9 9/32	7.8740	7 1/4	63/64	31/32	53/64	45/64	1 7/8	2 1/2	2 7/8	7/8	UKFS315	FS315	UK315	HE2315X	13.4	113	77.2	13.2	–	–	–	–	–
		236	200	184	25	25	21	18	48	63.5	73	M22				H2315X	13.4				UKFS315C	UKFS315D	88	3 15/32	14.8
70	2 3/4	9 27/32	8.2677	7 23/32	1 7/32	1 1/16	45/64	25/32	1 7/8	2 15/32	3 1/16	1	UKFS316	FS316	UK316	HE2316X	15.1	123	86.7	13.3	–	–	–	–	–
		250	210	196	31	27	18	20	48	62.5	78	M27				H2316X	15.1				UKFS316C	UKFS316D	87	3 7/16	16.7
75	3	10 1/4	8.6614	8 1/32	1 7/32	1 1/16	15/16	25/32	2 1/8	2 27/32	3 7/32	1	UKFS317	FS317	UK317	H2317X	17.1	133	96.8	13.3	UKFS317C	UKFS317D	97	3 13/16	18.9
		260	220	204	31	27	24	20	54	72	82	M27				HE2317X	17.1				–	–	–	–	–
80	–	11 1/32	9.4488	8 1/2	1 3/8	1 3/16	15/16	25/32	2 7/32	2 27/32	3 3/8	1 1/8	UKFS318	FS318	UK318	H2318X	21.4	143	107	13.3	UKFS318C	UKFS318D	99	3 29/32	23.5
		280	240	216	35	30	24	20	56	72	86	M30													
85	3 1/4	11 13/32	9.8425	8 31/32	1 3/8	1 3/16	1 17/32	25/32	2 29/32	2 19/32	3 17/32	1 1/8	UKFS319	FS319	UK319	HE2319X	24.8	153	119	13.3	–	–	–	–	–
		290	250	228	35	30	39	20	74	91	90	M30				H2319X	24.8				UKFS319C	UKFS319D	120	4 23/32	26.2
90	3 1/2	12 7/32	10.2362	9 17/32	1 1/2	1 1/4	1 17/32	25/32	2 29/32	2 21/32	3 13/16	1 1/4	UKFS320	FS320	UK320	HE2320X	29.1	173	141	13.2	–	–	–	–	–
		310	260	242	38	32	39	20	74	93	97	M33				H2320X	29.1				UKFS320C	UKFS320D	126	4 31/32	32.2
100	4	13 3/8	11.8110	10 15/32	1 39/64	1 3/8	1 3/8	63/64	2 25/32	2 3/4	4 1/8	1 3/8	UKFS322	FS322	UK322	H2322X	38.6	205	180	13.2	UKFS322C	UKFS322D	129	5 3/32	42.1
		340	300	266	41	35	35	25	71	95	105	M36				HE2322X	38.6				–	–	–	–	–
110	–	14 9/16	12.9921	11 27/64	1 39/64	1 9/16	1 3/8	1 3/16	3 5/32	3 21/32	4 13/32	1 3/8	UKFS324	FS324	UK324	H2324	50.9	207	185	13.5	UKFS324C	UKFS324D	133	5 1/4	56.0
		370	330	290	41	40	35	30	80	100.5	112	M36													
115	4 1/2	16 5/32	14.1732	12 19/32	1 39/64	1 25/32	1 3/8	1 3/16	3 11/32	4	4 3/4	1 3/8	UKFS326	FS326	UK326	HE2326	67.5	229	214	13.6	–	–	–	–	–
		410	360	320	41	45	35	30	85	101.5	121	M36				H2326	67.5				UKFS326C	UKFS326D	142	5 29/32	74.1
125	–	17 23/32	15.7480	13 25/32	1 39/64	2 5/32	1 49/64	1 3/16	3 3/4	4 5/8	5 5/32	1 3/8	UKFS328	FS328	UK328	H2328	94.0	253	246	13.6	UKFS328C	UKFS328D	156	6 5/32	102
		450	400	350	41	55	45	30	95	117.5	131	M36													

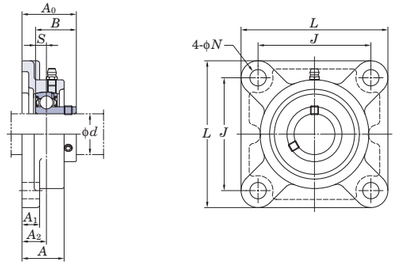
Remarks
1. In Part No. of unit and units with covers, fitting codes follow bore diameter numbers. (See **Table 10.5** in P.62.)
2. Part No. of applicable grease fittings are shown below.
   A-1/4-28UNF ..... 305~308
   A-R1/8 ..... 309~328
3. In Part No. of unit with adapters and bearing with adapters, Part No. of applicable adapter follow the Part No. shown in the dimensional tables. (Example of Part No. : UKFS307J + H2307X, UK307 + H2307X)
4. As for the triple seal type product, suffix code L3 follows the Part No. of unit or bearing. (Example of Part No. : UKFS307JL3 + H2307X, UK307L3 + H2307X)
5. For the dimensions and forms of applicable bearings and adapters, see the dimensional tables of ball bearing for unit and adapter.
6. Housings of nodular graphite cast iron are also available.

SBF-RKP8
Cylindrical bore
(with set screws)
d 20 ~ 55 mm

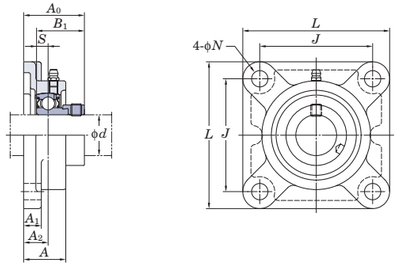
SAF-FP9
Cylindrical bore
(with eccentric locking collar)

SBF-RKP8

SAF-FP9



SBF-RKP8



SAF-FP9

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	±0.5	0.7
F211	±0.8	1

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

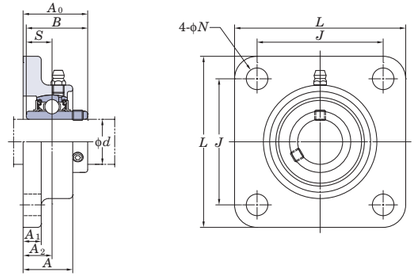
Unit: mm

Housing No.	Δ_{Ns}
F204~F211	±0.2

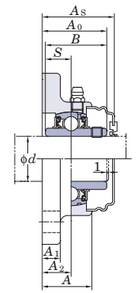
Shaft Dia. mm	Shaft Dia. inch	Dimensions inch / mm: L	A	J	N	A_1	A_2	A_0	B	B_1	SBF-RKP8 S	SAF-FP9 S	Bolt Size inch / mm	Unit No.	Bearing No.	Unit No.	Bearing No.	Housing No.	Basic Load Ratings kN: C_r	C_{0r}	Factor f_0	Mass kg: SBF-RKP8	SAF-FP9
20	3/4	3 3/8	1	2 33/64	15/32	7/16	19/32	1 17/32	0.984	1.220	0.276	0.295	3/8	**SBF204-12RKP8**	SB204-12RKP8	**SAF204-12FP9**	SA204-12FP9	F204	12.8	6.65	13.2	0.58	0.62
		86	25.5	64	12	11	15	38.5	25	31	7	7.5	M10	**SBF204RKP8**	SB204RKP8	**SAF204FP9**	SA204FP9						
25	7/8													**SBF205-14RKP8**	SB205-14RKP8	**SAF205-14FP9**	SA205-14FP9	F205	14.0	7.85	13.9	0.81	0.85
	15/16	3 3/4	1 1/16	2 3/4	15/32	1/2	5/8	1 9/16	1.063	1.220	0.295	0.295	3/8	**SBF205-15RKP8**	SB205-15RKP8	**SAF205-15FP9**	SA205-15FP9						0.86
	1	95	27	70	12	13	16	39.5	27	31	7.5	7.5	M10	**SBF205-16RKP8**	SB205-16RKP8	**SAF205-16FP9**	SA205-16FP9						0.86
														SBF205RKP8	SB205RKP8	**SAF205FP9**	SA205FP9						0.86
30	1 1/8													**SBF206-18RKP8**	SB206-18RKP8	**SAF206-18FP9**	SA206-18FP9	F206	19.5	11.3	13.9	1.05	1.12
	1 3/16	4 1/4	1 7/32	3 17/64	15/32	1/2	45/64	1 3/4	1.181	1.906	0.315	0.354	3/8	**SBF206-19RKP8**	SB206-19RKP8	**SAF206-19FP9**	SA206-19FP9						
	1 1/4	108	31	83	12	13	18	44.7	30	35.7	8	9	M10	**SBF206-20RKP8**	SB206-20RKP8	**SAF206-20FP9**	SA206-20FP9						
														SBF206RKP8	SB206RKP8	**SAF206FP9**	SA206FP9						
35	1 1/4													**SBF207-20RKP8**	SB207-20RKP8	**SAF207-20FP9**	SA207-20FP9	F207	25.7	15.4	13.9	1.44	
	1 5/16													–	–	**SAF207-21FP9**	SA207-21FP9					–	
	1 3/8	4 19/32	1 11/32	3 5/8	35/64	19/32	3/4	1 29/32	1.260	1.531	0.335	0.374	7/16	**SBF207-22RKP8**	SB207-22RKP8	**SAF207-22FP9**	SA207-22FP9					1.44	1.59
	1 7/16	117	34	92	14	15	19	48.4	32	38.9	8.5	9.5	M12	**SBF207-23RKP8**	SB207-23RKP8	**SAF207-23FP9**	SA207-23FP9					1.44	
														SBF207RKP8	SB207RKP8	**SAF207FP9**	SA207FP9					1.44	
40	1 1/2													**SBF208-24RKP8**	SB208-24RKP8	**SAF208-24FP9**	SA208-24FP9	F208	29.1	17.8	14.0	1.86	
	1 9/16	5 1/8	1 13/32	4 1/64	5/8	19/32	53/64	2 1/8	1.339	1.720	0.354	0.433	1/2	–	–	**SAF208-25FP9**	SA208-25FP9					–	2.01
		130	36	102	16	15	21	53.7	34	43.7	9	11	M14	**SBF208RKP8**	SB208RKP8	**SAF208FP9**	SA208FP9					1.85	
45	1 5/8													–	–	**SAF209-26FP9**	SA209-26FP9	F209	34.1	21.3	14.0	–	2.34
	1 11/16	5 13/32	1 1/2	4 9/64	5/8	5/8	55/64	2 5/32	–	1.720	–	0.433	1/2	–	–	**SAF209-27FP9**	SA209-27FP9						
	1 3/4	137	38	105	16	16	22	54.7	–	43.7	–	11	M14	–	–	**SAF209-28FP9**	SA209-28FP9						
														–	–	**SAF209FP9**	SA209FP9						
50	1 7/8													–	–	**SAF210-30FP9**	SA210-30FP9	F210	35.1	23.3	14.4	–	2.55
	1 15/16	5 5/8	1 9/16	4 3/8	5/8	5/8	55/64	2 5/32	–	1.720	–	0.433	1/2	–	–	**SAF210-31FP9**	SA210-31FP9						
		143	40	111	16	16	22	54.7	–	43.7	–	11	M14	–	–	**SAF210FP9**	SA210FP9						
55	2													–	–	**SAF211-32FP9**	SA211-32FP9	F211	43.4	29.4	14.4	–	3.49
	2 1/8	6 3/8	1 11/16	5 1/8	3/4	23/32	63/64	2 13/32	–	1.906	–	0.472	5/8	–	–	**SAF211-34FP9**	SA211-34FP9						
	2 3/16	162	43	130	19	18	25	61.4	–	48.4	–	12	M16	–	–	**SAF211-35FP9**	SA211-35FP9						
														–	–	**SAF211FP9**	SA211FP9						

Remarks
1. In Part No. of unit, 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 ..... 204~210
   A-R1/8 211
3. For the dimensions and forms of applicable bearings, see the dimensional tables of ball bearing for unit.
4. Housings of nodular graphite cast iron are also available.

UCSF-H1S6
Cylindrical bore (with set screws)
d 20 ~ 60 mm



With Pressed Stainless Steel 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
SF204H1~210H1	±0.5	0.7
SF211H1~212H1	±0.8	1

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

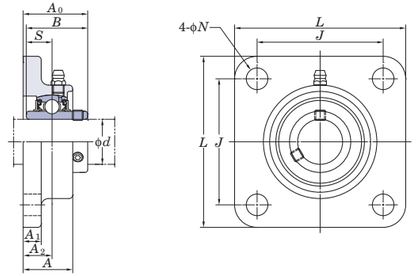
Unit: mm

Housing No.	Δ_{Ns}
SF204H1~212H1	±0.2

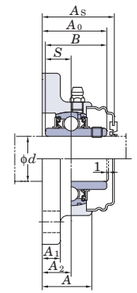
Shaft Dia. mm	Shaft Dia. inch	Dimensions inch									Bolt Size inch	Bolt Size mm	Standard Unit No.	Standard Housing No.	Standard Bearing No.	Mass	Basic Load Ratings kN C_r	Basic Load Ratings kN C_{0r}	Factor f_0	With Pressed Stainless Steel Cover Unit No. Open Type	With Pressed Stainless Steel Cover Unit No. Closed Type	Dimension mm A_s	Dimension inch A_s	Mass
d		L	A	J	N	A_1	A_2	A_0	B	S						kg	C_r	C_{0r}	f_0					
20	3/4	3 3/8	1 1/32	2 33/64	15/32	13/32	19/32	1 5/16	1.220	0.500	3/8	M10	**UCSF204-12H1S6**	SF204H1	UC204-12S6	0.66	10.9	5.35	13.2	–	–	–	–	–
		86	26	64	12	10	15	33.3	31	12.7			**UCSF204H1S6**		UC204S6					UCSF204H1CS6	UCSF204H1DS6	37.5	1 15/32	0.66
25	7/8												**UCSF205-14H1S6**	SF205H1	UC205-14S6	0.85	11.9	6.3	13.9	–	–	–	–	–
	15/16	3 3/4	1 3/32	2 3/4	15/32	13/32	5/8	1 13/32	1.343	0.563	3/8	M10	**UCSF205-15H1S6**		UC205-15S6					–	–	–	–	–
		95	27.5	70	12	10	16	35.8	34.1	14.3			**UCSF205H1S6**		UC205S6					UCSF205H1CS6	UCSF205H1DS6	40.5	1 19/32	0.85
	1												**UCSF205-16H1S6**		UC205-16S6					–	–	–	–	–
30	1 1/8												**UCSF206-18H1S6**	SF206H1	UC206-18S6	1.2	16.5	9.05	13.9	–	–	–	–	–
		4 1/4	1 7/32	3 17/64	15/32	13/32	45/64	1 19/32	1.500	0.626	3/8	M10	**UCSF206H1S6**		UC206S6					UCSF206H1CS6	UCSF206H1DS6	44.5	1 3/4	1.2
	1 3/16	108	31	83	12	10	18	40.2	38.1	15.9			**UCSF206-19H1S6**		UC206-19S6					–	–	–	–	–
	1 1/4												**UCSF206-20H1S6**		UC206-20S6					–	–	–	–	–
35	1 1/4												**UCSF207-20H1S6**	SF207H1	UC207-20S6	1.5	21.8	12.3	13.9	–	–	–	–	–
	1 5/16												**UCSF207-21H1S6**		UC207-21S6					–	–	–	–	–
	1 3/8	4 19/32	1 11/32	3 5/8	35/64	7/16	3/4	1 3/4	1.689	0.689	7/16	M12	**UCSF207-22H1S6**		UC207-22S6					–	–	–	–	–
		117	34	92	14	11	19	44.4	42.9	17.5			**UCSF207H1S6**		UC207S6					UCSF207H1CS6	UCSF207H1DS6	49	1 15/16	1.5
	1 7/16												**UCSF207-23H1S6**		UC207-23S6					–	–	–	–	–
40	1 1/2												**UCSF208-24H1S6**	SF208H1	UC208-24S6	2	24.8	14.3	14.0	–	–	–	–	–
	1 9/16	5 1/8	1 13/32	4 1/64	5/8	15/32	53/64	2 1/32	1.937	0.748	1/2	M14	**UCSF208-25H1S6**		UC208-25S6					–	–	–	–	–
		130	36	102	16	12	21	51.2	49.2	19			**UCSF208H1S6**		UC208S6					UCSF208H1CS6	UCSF208H1DS6	55.5	2 3/16	2.0
45	1 5/8												**UCSF209-26H1S6**	SF209H1	UC209-26S6	2.3	27.8	16.2	14.0	–	–	–	–	–
	1 11/16	5 13/32	1 1/2	4 9/64	5/8	1/2	55/64	2 1/16	1.937	0.748	1/2	M14	**UCSF209-27H1S6**		UC209-27S6					–	–	–	–	–
	1 3/4	137	38	105	16	13	22	52.2	49.2	19			**UCSF209-28H1S6**		UC209-28S6					–	–	–	–	–
													UCSF209H1S6		UC209S6					UCSF209H1CS6	UCSF209H1DS6	56.5	2 7/32	2.3
50	1 7/8												**UCSF210-30H1S6**	SF210H1	UC210-30S6	2.6	29.8	18.6	14.4	–	–	–	–	–
	1 15/16	5 5/8	1 9/16	4 3/8	5/8	1/2	55/64	2 5/32	2.031	0.748	1/2	M14	**UCSF210-31H1S6**		UC210-31S6					–	–	–	–	–
		143	40	111	16	13	22	54.6	51.6	19			**UCSF210H1S6**		UC210S6					UCSF210H1CS6	UCSF210H1DS6	59	2 5/16	2.6
	2												**UCSF210-32H1S6**		UC210-32S6					–	–	–	–	–
55	2												**UCSF211-32H1S6**	SF211H1	UC211-32S6	4	36.8	23.5	14.4	–	–	–	–	–
	2 1/8	6 3/8	1 11/16	5 1/8	3/4	19/32	63/64	2 5/16	2.189	0.874	5/8	M16	**UCSF211-34H1S6**		UC211-34S6					–	–	–	–	–
		162	43	130	19	15	25	58.4	55.6	22.2			**UCSF211H1S6**		UC211S6					UCSF211H1CS6	UCSF211H1DS6	63	2 15/32	4.0
	2 3/16												**UCSF211-35H1S6**		UC211-35S6					–	–	–	–	–
60	2 1/4												**UCSF212-36H1S6**	SF212H1	UC212-36S6	4.7	44.5	29	14.4	–	–	–	–	–
		6 7/8	1 7/8	5 5/8	3/4	19/32	1 9/64	2 23/32	2.563	1.000	5/8	M16	**UCSF212H1S6**		UC212S6					UCSF212H1CS6	UCSF212H1DS6	73.5	2 29/32	4.7
	2 3/8	175	48	143	19	15	29	68.7	65.1	25.4			**UCSF212-38H1S6**		UC212-38S6					–	–	–	–	–
	2 7/16												**UCSF212-39H1S6**		UC212-39S6					–	–	–	–	–

Remarks
1. In Part No. of unit and units with covers, fitting codes follow bore diameter codes. (See **Table 10.5** in P.62.)
2. Part No. of the applicable grease fitting is are shown below.
   A-1/4-28UNFN12 ..... 204~210
   A-R1/8N12 ..... 211~212
3. For the dimensions and forms of applicable bearings, see the dimensional tables of ball bearing for unit.

UCSF-EH1S6
Cylindrical bore (with set screws)
d 20 ~ 60 mm



With Pressed Stainless Steel Cover



Shaft Dia. mm	Shaft Dia. inch	Dimensions inch/mm L	A	J	N	A_1	A_2	A_0	B	S	Bolt Size inch	Standard Unit No.	Housing No.	Bearing No.	Mass kg	Basic Load Ratings kN C_r	C_{0r}	Factor f_0	With Pressed Stainless Steel Cover Unit No. Open Type	Closed Type	Dimension mm/inch A_s		Mass kg
20	3/4	3 3/8	1 1/32	2 33/64	7/16	13/32	19/32	1 5/16	1.220	0.500	3/8	**UCSF204-12EH1S6**	SF204EH1	UC204-12S6	0.66	10.9	5.35	13.2	–	–	–	–	–
		86	26	64	11	10	15	33.3	31	12.7		**UCSF204EH1S6**		UC204S6					UCSF204EH1CS6	UCSF204EH1DS6	37.5	1 15/32	0.66
25	7/8											**UCSF205-14EH1S6**	SF205EH1	UC205-14S6	0.85	11.9	6.3	13.9	–	–	–	–	–
	15/16	3 3/4	1 3/32	2 3/4	15/32	13/32	5/8	1 13/32	1.343	0.563		**UCSF205-15EH1S6**		UC205-15S6					–	–	–	–	–
		95	27.5	70	12	10	16	35.8	34.1	14.3		**UCSF205EH1S6**		UC205S6					UCSF205EH1CS6	UCSF205EH1DS6	40.5	1 19/32	0.85
	1											**UCSF205-16EH1S6**		UC205-16S6					–	–	–	–	–
30	1 1/8											**UCSF206-18EH1S6**	SF206EH1	UC206-18S6	1.2	16.5	9.05	13.9	–	–	–	–	–
		4 1/4	1 7/32	3 17/64	33/64	13/32	45/64	1 19/32	1.500	0.626	7/16	**UCSF206EH1S6**		UC206S6					UCSF206EH1CS6	UCSF206EH1DS6	44.5	1 3/4	1.2
	1 3/16	108	31	83	13	10	18	40.2	38.1	15.9		**UCSF206-19EH1S6**		UC206-19S6					–	–	–	–	–
	1 1/4											**UCSF206-20EH1S6**		UC206-20S6					–	–	–	–	–
35	1 1/4											**UCSF207-20EH1S6**	SF207EH1	UC207-20S6	1.5	21.8	12.3	13.9	–	–	–	–	–
	1 5/16											**UCSF207-21EH1S6**		UC207-21S6					–	–	–	–	–
	1 3/8	4 19/32	1 11/32	3 5/8	33/64	7/16	3/4	1 3/4	1.689	0.689	7/16	**UCSF207-22EH1S6**		UC207-22S6					–	–	–	–	–
		117	34	92	13	11	19	44.4	42.9	17.5		**UCSF207EH1S6**		UC207S6					UCSF207EH1CS6	UCSF207EH1DS6	49	1 15/16	1.5
	1 7/16											**UCSF207-23EH1S6**		UC207-23S6					–	–	–	–	–
40	1 1/2											**UCSF208-24EH1S6**	SF208EH1	UC208-24S6	2	24.8	14.3	14.0	–	–	–	–	–
	1 9/16	5 1/8	1 13/32	4 1/64	35/64	15/32	53/64	2 1/32	1.937	0.748	1/2	**UCSF208-25EH1S6**		UC208-25S6					–	–	–	–	–
		130	36	102	14	12	21	51.2	49.2	19		**UCSF208EH1S6**		UC208S6					UCSF208EH1CS6	UCSF208EH1DS6	55.5	2 3/16	2.0
45	1 5/8											**UCSF209-26EH1S6**	SF209EH1	UC209-26S6	2.3	27.8	16.2	14.0	–	–	–	–	–
	1 11/16	5 13/32	1 1/2	4 9/64	5/8	1/2	55/64	2 1/16	1.937	0.748	1/2	**UCSF209-27EH1S6**		UC209-27S6					–	–	–	–	–
	1 3/4	137	38	105	16	13	22	52.2	49.2	19		**UCSF209-28EH1S6**		UC209-28S6					–	–	–	–	–
												UCSF209EH1S6		UC209S6					UCSF209EH1CS6	UCSF209EH1DS6	56.5	2 7/32	2.3
50	1 7/8											**UCSF210-30EH1S6**	SF210EH1	UC210-30S6	2.6	29.8	18.6	14.4	–	–	–	–	–
	1 15/16	5 5/8	1 9/16	4 3/8	5/8	1/2	55/64	2 5/32	2.031	0.748	1/2	**UCSF210-31EH1S6**		UC210-31S6					–	–	–	–	–
		143	40	111	16	13	22	54.6	51.6	19		**UCSF210EH1S6**		UC210S6					UCSF210EH1CS6	UCSF210EH1DS6	59	2 5/16	2.6
	2											**UCSF210-32EH1S6**		UC210-32S6					–	–	–	–	–
55	2											**UCSF211-32EH1S6**	SF211EH1	UC211-32S6	4	30.7	23.5	14.4	–	–	–	–	–
	2 1/8	6 3/8	1 11/16	5 1/8	43/64	19/32	63/64	2 5/16	2.189	0.874	5/8	**UCSF211-34EH1S6**		UC211-34S6					–	–	–	–	–
		162	43	130	17	15	25	58.4	55.6	22.2		**UCSF211EH1S6**		UC211S6					UCSF211EH1CS6	UCSF211EH1DS6	63	2 15/32	4.0
	2 3/16											**UCSF211-35EH1S6**		UC211-35S6					–	–	–	–	–
60	2 1/4											**UCSF212-36EH1S6**	SF212EH1	UC212-36S6	4.7	31.6	29	14.4	–	–	–	–	–
		6 7/8	1 7/8	5 5/8	43/64	19/32	1 9/64	2 23/32	2.563	1.000	5/8	**UCSF212EH1S6**		UC212S6					UCSF212EH1CS6	UCSF212EH1DS6	73.5	2 29/32	4.7
	2 3/8	175	48	143	17	15	29	68.7	65.1	25.4		**UCSF212-38EH1S6**		UC212-38S6					–	–	–	–	–
	2 7/16											**UCSF212-39EH1S6**		UC212-39S6					–	–	–	–	–

Remarks
1. In Part No. of unit and units with covers, fitting codes follow bore diameter codes. (See **Table 10.5** in P.62.)
2. Part No. of the applicable grease fitting is are shown below.
   A-1/4-28UNFN12 ..... 204~210
   A-R1/8N12 ..... 211~212
3. For the dimensions and forms of applicable bearings, see the dimensional tables of ball bearing for unit.

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

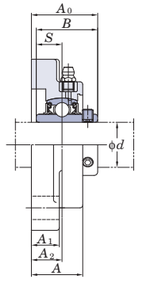
Housing No.	Δ_{A2s}	X
SF204EH1~208EH1	±0.5	0.7
SF211EH1~212EH1	±0.8	1

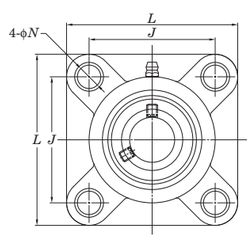
Variations of tolerance of bolt hole diameter (Δ_{Ns})

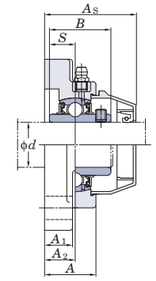
Unit: mm

Housing No.	Δ_{Ns}
SF204EH1~212EH1	±0.2

UCVF-S6
Cylindrical bore (with set screws)
d 20 ~ 40 mm







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

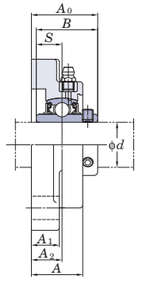
Unit: mm

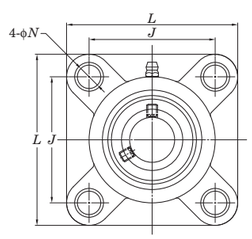
Housing No.	Δ_{A2s}	X
VF204~VF208	±0.5	0.7

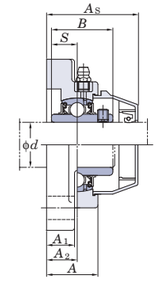
Shaft Dia. mm	Shaft Dia. inch	Dimensions inch / mm									Bolt Size inch / mm	Standard Unit No.	Standard Housing No.	Standard Bearing No.	Mass	Basic Load Ratings kN		Factor	With Plastic Cover Unit No. Open Type	With Plastic Cover Unit No. Closed Type	Dimension mm	Dimension inch	Mass
d		L	A	J	N	A_1	A_2	A_0	B	S					kg	C_r	C_{0r}	f_0			A_s		kg
20	3/4	3 3/8	1 3/32	2 1/2	7/16	17/32	45/64	1 7/16	1.220	0.500	3/8	**UCVF204-12S6**	VF204	UC204-12S6	0.3	10.9	5.35	13.2	UCVF204-12CS6	UCVF204-12DS6	48	1 7/8	0.31
		86	27.8	63.5	11	13.4	18	36.3	31	12.7	M10	**UCVF204S6**		UC204S6					UCVF204CS6	UCVF204DS6			
25	7/8 15/16	3 3/4	1 1/8	2 3/4	7/16	5/8	43/64	1 7/16	1.343	0.563	3/8	**UCVF205-14S6** **UCVF205-15S6**	VF205	UC205-14S6 UC205-15S6	0.41	11.9	6.3	13.9	UCVF205-14CS6 UCVF205-15CS6	UCVF205-14DS6 UCVF205-15DS6	50.7	2	0.42
	1	95	28.5	70	11	15.5	17	36.8	34.1	14.3	M10	**UCVF205S6** **UCVF205-16S6**		UC205S6 UC205-16S6					UCVF205CS6 UCVF205-16CS6	UCVF205DS6 UCVF205-16DS6			
30	1 1/8 1 3/16 1 1/4	4 7/32 107	1 1/4 31.7	3 17/64 83	7/16 11	9/16 14.5	3/4 19.2	1 5/8 41.4	1.500 38.1	0.626 15.9	3/8 M10	**UCVF206-18S6** **UCVF206S6** **UCVF206-19S6** **UCVF206-20S6**	VF206	UC206-18S6 UC206S6 UC206-19S6 UC206-20S6	0.56	16.5	9.05	13.9	UCVF206-18CS6 UCVF206CS6 UCVF206-19CS6 UCVF206-20CS6	UCVF206-18DS6 UCVF206DS6 UCVF206-19DS6 UCVF206-20DS6	58.3	1 9/32	0.57
35	1 1/4 1 5/16 1 3/8 1 7/16	4 21/32 118	1 11/32 34.5	3 5/8 92	33/64 13	5/8 15.5	27/32 21.5	1 27/32 46.9	1.689 42.9	0.689 17.5	1/2 M12	**UCVF207-20S6** **UCVF207-21S6** **UCVF207-22S6** **UCVF207S6** **UCVF207-23S6**	VF207	UC207-20S6 UC207-21S6 UC207-22S6 UC207S6 UC207-23S6	0.83	21.8	12.3	13.9	UCVF207-20CS6 UCVF207-21CS6 UCVF207-22CS6 UCVF207CS6 UCVF207-23CS6	UCVF207-20DS6 UCVF207-21DS6 UCVF207-22DS6 UCVF207DS6 UCVF207-23DS6	63.7	2 1/2	0.85
40	1 1/2 1 9/16	5 1/8 130	1 7/16 36.5	4 1/64 102	35/64 14	21/32 17	29/32 23	2 3/32 53.2	1.937 49.2	0.748 19	1/2 M12	**UCVF208-24S6** **UCVF208-25S6** **UCVF208S6**	VF208	UC208-24S6 UC208-25S6 UC208S6	1.08	24.8	14.3	14.0	UCVF208-24CS6 UCVF208-25CS6 UCVF208CS6	UCVF208-24DS6 UCVF208-25DS6 UCVF208DS6	70.7	2 25/32	1.11

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 the applicable grease fitting is A-1/4-28UNFN12.
3. For the dimensions and forms of applicable bearings, see the dimensional tables of ball bearing for unit.

UCVF-ES7
Cylindrical bore (with set screws)
d 20 ~ 40 mm







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

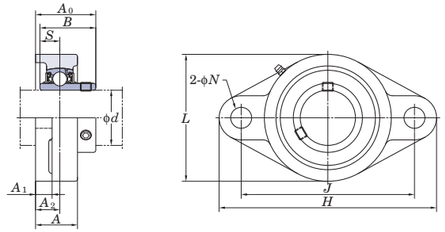
Unit: mm

Housing No.	Δ_{A2s}	X
VF204E~VF208E	±0.5	0.7

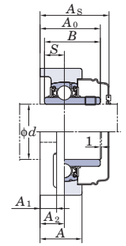
Shaft Dia. mm	Shaft Dia. inch	Dimensions inch / mm									Bolt Size inch / mm	Standard Unit No.	Standard Housing No.	Standard Bearing No.	Mass	Basic Load Ratings kN		Factor	With Plastic Cover Unit No. Open Type	With Plastic Cover Unit No. Closed Type	With Plastic Cover Dimension mm	With Plastic Cover Dimension inch	With Plastic Cover Mass
d		L	A	J	N	A_1	A_2	A_0	B	S					kg	C_r	C_{0r}	f_0			A_s		kg
20	3/4	3 3/8	1 3/32	2 1/2	7/16	17/32	45/64	1 7/16	1.220	0.500	3/8	**UCVF204-12ES7**	VF204E	UC204-12S7	0.3	12.8	6.65	13.2	UCVF204-12ECS7	UCVF204-12EDS7	48	1 7/8	0.31
		86	27.8	63.5	11	13.4	18	36.3	31	12.7	M8	**UCVF204ES7**		UC204S7					UCVF204ECS7	UCVF204EDS7			
25	7/8 15/16	3 3/4	1 1/8	2 3/4	7/16	5/8	43/64	1 7/16	1.343	0.563	7/16	**UCVF205-14ES7** **UCVF205-15ES7**	VF205E	UC205-14S7 UC205-15S7	0.41	14.0	7.85	13.9	UCVF205-14ECS7 UCVF205-15ECS7	UCVF205-14EDS7 UCVF205-15EDS7	50.7	2	0.42
		95	28.5	70	11	15.5	17	36.8	34.1	14.3	M10	**UCVF205ES7**		UC205S7					UCVF205ECS7	UCVF205EDS7			
	1											**UCVF205-16ES7**		UC205-16S7					UCVF205-16ECS7	UCVF205-16EDS7			
30	1 1/8 1 3/16 1 1/4	4 7/32	1 1/4	3 17/64	7/16	9/16	3/4	1 5/8	1.500	0.626	7/16	**UCVF206-18ES7** **UCVF206ES7** **UCVF206-19ES7** **UCVF206-20ES7**	VF206E	UC206-18S7 UC206S7 UC206-19S7 UC206-20S7	0.56	19.5	11.3	13.9	UCVF206-18ECS7 UCVF206ECS7 UCVF206-19ECS7 UCVF206-20ECS7	UCVF206-18EDS7 UCVF206EDS7 UCVF206-19EDS7 UCVF206-20EDS7	58.5	1 5/16	0.57
		107	31.7	83	11	14.5	19.2	41.4	38.1	15.9	M10												
35	1 1/4 1 5/16 1 3/8 1 7/16	4 21/32	1 11/32	3 5/8	33/64	5/8	27/32	1 27/32	1.689	0.689	1/2	**UCVF207-20ES7** **UCVF207-21ES7** **UCVF207-22ES7** **UCVF207ES7** **UCVF207-23ES7**	VF207E	UC207-20S7 UC207-21S7 UC207-22S7 UC207S7 UC207-23S7	0.83	25.7	15.4	13.9	UCVF207-20ECS7 UCVF207-21ECS7 UCVF207-22ECS7 UCVF207ECS7 UCVF207-23ECS7	UCVF207-20EDS7 UCVF207-21EDS7 UCVF207-22EDS7 UCVF207EDS7 UCVF207-23EDS7	63.7	2 1/2	0.85
		118	34.5	92	13	15.5	21.5	46.9	42.9	17.5	M12												
40	1 1/2 1 9/16	5 1/8	1 7/16	4 1/64	35/64	21/32	29/32	2 3/32	1.937	0.748	1/2	**UCVF208-24ES7** **UCVF208-25ES7** **UCVF208ES7**	VF208E	UC208-24S7 UC208-25S7 UC208S7	1.08	29.1	17.8	14.0	UCVF208-24ECS7 UCVF208-25ECS7 UCVF208ECS7	UCVF208-24EDS7 UCVF208-25EDS7 UCVF208EDS7	70.7	2 25/32	1.11
		130	36.5	102	14	17	23	53.2	49.2	19	M12												

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 the applicable grease fitting is A-1/4-28UNFN12.
3. For the dimensions and forms of applicable bearings, see the dimensional tables of ball bearing for unit.

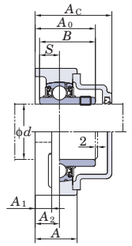
UCFL
Cylindrical bore (with set screws)
d 12 ~ (45) mm



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)

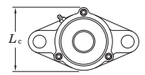
Unit: mm

Housing No.			Δ_{A2s}	X
FL204~FL210	FLX05~FLX10	FL305~FL310	±0.5	0.7
FL211~FL218		FL311~FL324	±0.8	1

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

Housing No.			Δ_{Ns}
FL204~FL218	FLX05~FLX10	FL305~FL311	±0.2
		FL312~FL324	±0.3

Forms and dimensions of L_c of FL204JE3 and FL205JE3 (housing with cast iron cover) are shown below.



FL204JE3 L_c = 65 mm
FL205JE3 L_c = 73 mm

Shaft Dia. d (mm)	Shaft Dia. d (inch)	Dimensions H (inch)	Dimensions L (inch)	Dimensions A (inch)	Dimensions J (inch)	Dimensions N (inch)	Dimensions A_1 (inch)	Dimensions A_2 (inch)	Dimensions A_0 (inch)	Dimensions B (inch)	Dimensions S (inch)	Bolt Size (inch)	Bolt Size (mm)	Standard Unit No.	Standard Housing No.	Standard Bearing No.	Mass (kg)	Basic Load Ratings C_r (kN)	Basic Load Ratings C_{0r} (kN)	Factor f_0	With Pressed Steel Cover Unit No. Open Type	With Pressed Steel Cover Unit No. Closed Type	With Pressed Steel Cover Dimension A_s (mm)	With Pressed Steel Cover Dimension A_s (inch)	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 A_c (mm)	With Cast Iron Cover Dimension A_c (inch)	With Cast Iron Cover Mass (kg)
12	1/2													UCFL201		UC201	0.50				UCFL201C	UCFL201D	37.5	1 15/32	0.50	–	–	–	–	–
														UCFL201-8		UC201-8	0.50				–	–	–	–	–	–	–	–	–	–
15														UCFL202		UC202	0.48				UCFL202C	UCFL202D	37.5	1 15/32	0.48	–	–	–	–	–
	5/8	4 7/16	2 3/8	1	3 35/64	15/32	7/16	19/32	1 5/16	1.220	0.500	3/8		UCFL202-10	FL204	UC202-10	0.48	12.8	6.65	13.2	–	–	–	–	–	–	–	–	–	–
		113	60	25.5	90	12	11	15	33.3	31	12.7	M10		UCFL203		UC203	0.47				UCFL203C	UCFL203D	37.5	1 15/32	0.47	–	–	–	–	–
17																														
	3/4													UCFL204-12		UC204-12	0.47				–	–	–	–	–	–	–	–	–	–
20														UCFL204		UC204	0.45				UCFL204C	UCFL204D	37.5	1 15/32	0.45	UCFL204FC	UCFL204FD	46	1 13/16	0.6
	7/8													UCFL205-14		UC205-14	0.64				–	–	–	–	–	–	–	–	–	–
	15/16	5 1/8	2 11/16	1 1/16	3 57/64	5/8	1/2	5/8	1 13/32	1.343	0.563	1/2		UCFL205-15	FL205	UC205-15	0.64	14.0	7.85	13.9	–	–	–	–	–	–	–	–	–	–
		130	68	27	99	16	13	16	35.8	34.1	14.3	M14		UCFL205		UC205	0.64				UCFL205C	UCFL205D	40.5	1 19/32	0.64	UCFL205FC	UCFL205FD	49	1 15/16	0.83
25	1													UCFL205-16		UC205-16	0.64				–	–	–	–	–	–	–	–	–	–
		5 9/16	3 9/32	1 3/16	4 39/64	15/32	1/2	45/64	1 19/32	1.500	0.626	3/8		UCFLX05	FLX05	UCX05	1.1	19.5	11.3	13.9	UCFLX05C	UCFLX05D	44.5	1 3/4	1.1	–	–	–	–	–
	1	141	83	30	117	12	13	18	40.2	38.1	15.9	M10		UCFLX05-16		UCX05-16	1.1				–	–	–	–	–	–	–	–	–	–
		5 29/32	3 5/32	1 5/32	4 29/64	3/4	1/2	5/8	1 17/32	1.496	0.591	5/8		UCFL305	FL305	UC305	1.1	21.2	10.9	12.6	–	–	–	–	–	UCFL305C	UCFL305D	54	2 1/8	1.4
	1	150	80	29	113	19	13	16	39	38	15	M16		UCFL305-16		UC305-16	1.1				–	–	–	–	–	–	–	–	–	–
	1 1/8													UCFL206-18		UC206-18	0.93				–	–	–	–	–	–	–	–	–	–
		5 13/16	3 5/32	1 7/32	4 39/64	5/8	1/2	45/64	1 19/32	1.500	0.626	1/2		UCFL206	FL206	UC206	0.93	19.5	11.3	13.9	UCFL206C	UCFL206D	44.5	1 3/4	0.93	UCFL206FC	UCFL206FD	53	2 3/32	1.2
	1 3/16	148	80	31	117	16	13	18	40.2	38.1	15.9	M14		UCFL206-19		UC206-19	0.93				–	–	–	–	–	–	–	–	–	–
	1 1/4													UCFL206-20		UC206-20	0.93				–	–	–	–	–	–	–	–	–	–
30														UCFLX06		UCX06	1.5				UCFLX06C	UCFLX06D	49	1 15/16	1.5	–	–	–	–	–
	1 3/16	6 5/32	3 3/4	1 11/32	5 1/8	5/8	9/16	3/4	1 3/4	1.689	0.689	1/2		UCFLX06-19	FLX06	UCX06-19	1.5	25.7	15.4	13.9	–	–	–	–	–	–	–	–	–	–
	1 1/4	156	95	34	130	16	14	19	44.4	42.9	17.5	M14		UCFLX06-20		UCX06-20	1.5				–	–	–	–	–	–	–	–	–	–
	–	7 3/32	3 17/32	1 1/4	5 9/32	29/32	19/32	45/64	1 23/32	1.693	0.669	3/4		UCFL306	FL306	UC306	1.5	26.7	15.0	13.3	–	–	–	–	–	UCFL306C	UCFL306D	59	2 5/16	1.8
		180	90	32	134	23	15	18	44	43	17	M20																		
	1 1/4													UCFL207-20		UC207-20	1.2				–	–	–	–	–	–	–	–	–	–
	1 5/16													UCFL207-21		UC207-21	1.2				–	–	–	–	–	–	–	–	–	–
	1 3/8	6 11/32	3 17/32	1 11/32	5 1/8	5/8	9/16	3/4	1 3/4	1.689	0.689	1/2		UCFL207-22	FL207	UC207-22	1.2	25.7	15.4	13.9	–	–	–	–	–	–	–	–	–	–
		161	90	34	130	16	14	19	44.4	42.9	17.5	M14		UCFL207		UC207	1.2				UCFL207C	UCFL207D	49	1 15/16	1.2	UCFL207FC	UCFL207FD	58	2 9/32	1.6
35	1 7/16													UCFL207-23		UC207-23	1.2				–	–	–	–	–	–	–	–	–	–
	1 3/8													UCFLX07-22		UCX07-22	1.9				–	–	–	–	–	–	–	–	–	–
		6 23/32	4 1/8	1 1/2	5 43/64	5/8	9/16	53/64	2 1/32	1.937	0.748	1/2		UCFLX07	FLX07	UCX07	1.9	29.1	17.8	14.0	UCFLX07C	UCFLX07D	55.5	2 3/16	1.9	–	–	–	–	–
	1 7/16	171	105	38	144	16	14	21	51.2	49.2	19	M14		UCFLX07-23		UCX07-23	1.9				–	–	–	–	–	–	–	–	–	–
	–	7 9/32	3 15/16	1 13/32	5 35/64	29/32	5/8	25/32	1 15/16	1.890	0.748	3/4		UCFL307	FL307	UC307	1.8	33.4	19.3	13.2	–	–	–	–	–	UCFL307C	UCFL307D	64	2 17/32	2.2
		185	100	36	141	23	16	20	49	48	19	M20																		
	1 1/2													UCFL208-24		UC208-24	1.6				–	–	–	–	–	–	–	–	–	–
	1 9/16	6 7/8	3 15/16	1 13/32	5 43/64	5/8	9/16	53/64	2 1/32	1.937	0.748	1/2		UCFL208-25	FL208	UC208-25	1.6	29.1	17.8	14.0	–	–	–	–	–	–	–	–	–	–
		175	100	36	144	16	14	21	51.2	49.2	19	M14		UCFL208		UC208	1.6				UCFL208C	UCFL208D	55.5	2 3/16	1.6	UCFL208FC	UCFL208FD	64	2 17/32	2.0
40	1 1/2	7 1/16	4 3/8	1 9/16	5 53/64	5/8	9/16	55/64	2 1/16	1.937	0.748	1/2		UCFLX08-24	FLX08	UCX08-24	2.1	34.1	21.3	14.0	–	–	–	–	–	–	–	–	–	–
		179	111	40	148	16	14	22	52.2	49.2	19	M14		UCFLX08		UCX08	2.1				UCFLX08C	UCFLX08D	56.5	2 7/32	2.1	–	–	–	–	–
	1 1/2	7 7/8	4 13/32	1 9/16	6 7/32	29/32	21/32	29/32	2 7/32	2.047	0.748	3/4		UCFL308-24	FL308	UC308-24	2.5	40.7	24.0	13.2	–	–	–	–	–	–	–	–	–	–
		200	112	40	158	23	17	23	56	52	19	M20		UCFL308		UC308	2.5				–	–	–	–	–	UCFL308C	UCFL308D	71	2 25/32	3.0
	1 5/8													UCFL209-26		UC209-26	1.9				–	–	–	–	–	–	–	–	–	–
	1 11/16	7 13/32	4 1/4	1 1/2	5 53/64	3/4	19/32	55/64	2 1/16	1.937	0.748	5/8		UCFL209-27	FL209	UC209-27	1.9	34.1	21.3	14.0	–	–	–	–	–	–	–	–	–	–
	1 3/4	188	108	38	148	19	15	22	52.2	49.2	19	M16		UCFL209-28		UC209-28	1.9				–	–	–	–	–	–	–	–	–	–
45														UCFL209		UC209	1.9				UCFL209C	UCFL209D	56.5	2 7/32	1.9	UCFL209FC	UCFL209FD	66	2 19/32	2.3
	1 11/16													UCFLX09-27		UCX09-27	2.4				–	–	–	–	–	–	–	–	–	–
	1 3/4	7 7/16	4 9/16	1 9/16	6 3/16	5/8	9/16	29/32	2 3/16	2.031	0.748	1/2		UCFLX09-28	FLX09	UCX09-28	2.4	35.1	23.3	14.4	–	–	–	–	–	–	–	–	–	–
		189	116	40	157	16	14	23	55.6	51.6	19	M14		UCFLX09		UCX09	2.4				UCFLX09C	UCFLX09D	60	2 3/8	2.4	–	–	–	–	–

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, 309~324
3. As for the triple seal type product (from 201 to 205 are the double seal type products), suffix code L3 (or L2) follows the Part No. of unit or bearing. (Example of Part No. : UCFL206JL3, 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.