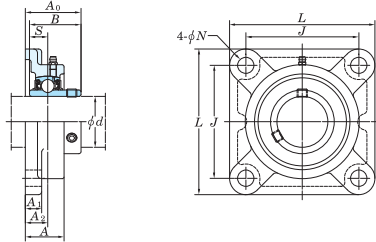
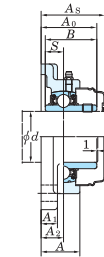


5. Housings of spheroidal graphite iron casting are also available.

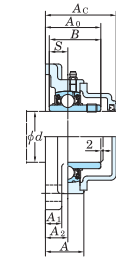
UCF
Cylindrical bore (with set screws)
d (45) ~ (75) mm



With Pressed Steel Cover



With Cast Iron Cover



Variations of tolerance of distance from mounting surface to center of spherical bore (ΔA_{20}) and tolerance of position of bolt hole (X)

Unit: mm

Housing No.			ΔA_{2s}	X
F204~F210	FX05~FX10	F305~F310	± 0.5	0.7
F211~F218	FX11~FX20	F311~F328	± 0.8	1

Unit: mm

Variations of tolerance of bolt hole diameter (Δd_h)

			Unit: mm
Housing No.			ΔN_s
F204~F218	FX05~FX18	F305~F315	+0.2
	FX20	F316~F328	+0.3

Unit: mm

Shaft Dia. mm inch		Dimensions									Bolt Size inch mm	Standard			Mass	Basic		Fatigue Load Limit kN	Factor	With Pressed Steel Cover				With Cast Iron Cover					
		 <i>d</i>	<i>L</i>	<i>A</i>	<i>J</i>	<i>N</i>	<i>A</i> ₁	<i>A</i> ₂	<i>A</i> ₀	<i>B</i>		<i>S</i>	Unit No.	Housing No.		Bearing No.	<i>C</i> _r			<i>C</i> _{0r}	Unit No. Open End Type Closed End Type	Dimension mm inch <i>A</i> _s	Mass kg	Unit No. Open End Type Closed End Type	Dimension mm inch <i>A</i> _c	Mass kg			
45	1 3/4	6 9/16	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	1.34	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		UC210-30	2.5					—	—	—	—	—	—	—	—	—	
	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	F210	UC210-31	2.5	35.1	23.3	1.06	14.4	—	—	—	—	—	—	—	—	—	
		143	40	111	16	16	22	54.6	51.6	19	M14	UCF210		UC210	2.5					UCF210C	UCF210D	59	2 9/16	2.5	UCF210FC	UCF210FD	70.5	2 25/32	3.0
	2											UCF210-32		UC210-32	2.5					—	—	—	—	—	—	—	—	—	
	1 15/16	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	UCFX10-31	FX10	UCX10-31	3.7	43.4	29.4	1.34	14.4	—	—	—	—	—	—	—	—	—	
		162	44	130	19	20	26	59.4	55.6	22.2	M16	UCFX10		UCX10	3.7					UCFX10C	UCFX10D	64	2 17/32	3.7	—	—	—	—	—
	—	6 7/8	1 7/8	5 13/64	23/32	3/4	1 7/64	2 5/8	2.402	0.866	3/4	UCF310	F310	UC310	5.1	62.0	38.3	1.74	13.2	—	—	—	—	—	UCF310C	UCF310D	83	3 9/32	5.9
55	2											UCF211-32		UC211-32	3.4					—	—	—	—	—	—	—	—	—	
	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	F211	UC211-34	3.4	43.4	29.4	1.34	14.4	—	—	—	—	—	—	—	—	—	
		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					—	—	—	—	—	—	—	—	—	
	2 3/16	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	1.65	14.4	UCFX11C	UCFX11D	73.5	2 29/32	4.9	—	—	—	—	—
	2 1/4	175	49	143	19	20	29	68.7	65.1	25.4	M16	UCFX11-35		UCX11-35	4.9					—	—	—	—	—	—	—	—	—	
	2	7 9/32	2 1/16	5 33/64	23/32	25/32	1 3/16	2 25/32	2.598	0.984	3/4	UCF311-32	F311	UC311-32	5.6	71.6	45.0	2.05	13.2	—	—	—	—	—	—	—	—	—	
60	2 1/4											UCF311		UC311	5.6					—	—	—	—	—	—	—	—	—	
		185	52	140	23	20	30	71	66	25	M20	UCF311		UC311	5.6					—	—	—	—	UCF311C	UCF311D	87	3 7/16	6.5	
	2 1/4	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	UCF212-36	F212	UC212-36	4.2					—	—	—	—	—	—	—	—	—	
	2 3/8	175	48	143	19	18	29	68.7	65.1	25.4	M16	UCF212		UC212	4.2	52.4	36.2	1.65	14.4	UCF212C	UCF212D	73.5	2 29/32	4.2	UCF212FC	UCF212FD	86	3 3/8	5.0
	2 7/16											UCF212-38		UC212-38	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	1.82	14.4	UCFX12C	UCFX12D	78.5	3 3/32	5.7	—	—	—	—	—
65	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	23/32	7/8	1 19/64	3 1/16	2.795	1.024	3/4	UCF312	F312	UC312	6.9	81.9	52.2	2.37	13.2	—	—	—	—	—	UCF312C	UCF312D	95	3 3/4	8.1
	2 1/2	195	56	150	23	22	33	78	71	26	M20	UCF312		UC312	6.9					—	—	—	—	—	—	—	—	—	
	2 1/2	7 3/8	1 31/32	5 59/64	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	1.82	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	2.01	14.5	—	—	—	—	—	—	—	—	—	
70	2 1/2	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	—	—	—	—	—
		208	58	166	23	22	33	78	75	30	M20	UCF313-40	F313	UC313-40	7.8	92.7	59.9	2.68	13.2	—	—	—	—	—	—	—	—	—	
	2 3/4	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		UC313	7.8					—	—	—	—	—	—	—	—	—	
		208	58	166	23	22	33	78	75	30	M20	UCF313		UC313	7.8					—	—	—	—	—	—	—	—	—	
	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	2.01	14.5	—	—	—	—	—	—	—	—	—	
		193	54	152	19	22	31	75.4	74.6	30.2	M16	UCF214		UC214	5.9					UCF214C	UCF214D	80.5	3 3/32	5.9	UCF214FC	UCF214FD	93	3 21/32	6.8
75	2 3/4	7 3/4	2 3/8	5 63/64	23/32	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	2.17	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	2.96	13.2	—	—	—	—	—	—	—	—	—	
		226	61	178	25	25	36	81	78	33	M22	UCF314		UC314	10.1					—	—	—	—	—	—	—	—	—	
	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	UCF215-47	F215	UC215-47	6.4	67.4	48.3	2.17	14.5	—	—	—	—	—	—	—	—	—	
		200	56	159	19	22	34	78.5	77.8	33.3	M16	UCF215		UC215	6.4					UCF215C	UCF215D	83.5	3 9/32	6.4	UCF215FC	UCF215FD	96	3 25/32	7.4
75	2 15/16											UCF215-48		UC215-48	6.4					—	—	—	—	—	—	—	—	—	
		7 3/4	2 11/16	5 63/64	23/32	15/16	1 9/16	3 17/32	3.252	1.311	3/4	UCFX15-47	FX15	UCX15-47	8.4	72.7	53.0	2.30	14.6	—	—	—	—	—	—	—	—	—	
	3	197	68	152	23	24	40	89.3	82.6	33.3	M20	UCFX15		UCX15	8.4					UCFX15C	UCFX15D	94.5	3 23/32	8.4	—	—	—	—	—
	3											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 2.5 in P.11.)

2. Part No. of applicable grease nipples 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-lip seal type product (from 201 to 205 are the double-lip seal type products), supplementary code L3 (L2) follows the Part No. of unit or bearing. (Example of Part No.: UCF206JL3, UC206L3)

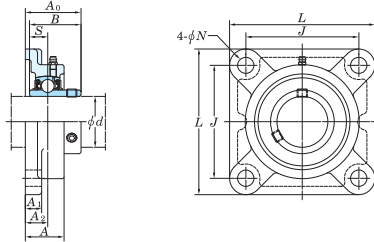
4. For the dimensions and forms of applicable bearings, see the dimensional tables of ball bearing for unit.

5. Housings of spheroidal graphite iron casting are also available.

UCF

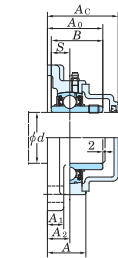
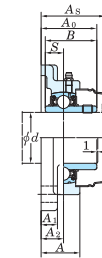
Cylindrical bore (with set screws)

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 (ΔL_{20}) and tolerance of position of bolt hole (X)

Housing No.			ΔL_{20}	X
F204-F210	FX05-FX10	F305-F310	+0.5	0.7
F211-F218	FX11-FX20	F311-F328	+0.8	1

Unit: mm

Variations of tolerance of bolt hole diameter (Δd_h)

Housing No.			Δd_h
F204-F218	FX05-FX10	F305-F315	+0.2
FX20		F316-F328	+0.3

Unit: mm

Shaft Dia. mm inch		Dimensions									Bolt Size inch mm	Standard			Mass	Basic		Fatigue Load Limit kN	Factor	With Pressed Steel Cover				With Cast Iron Cover																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
		<i>L</i>	<i>A</i>	<i>J</i>	<i>N</i>	<i>A</i> ₁	<i>A</i> ₂	<i>A</i> ₀	<i>B</i>	<i>S</i>		Unit No.	Housing No.	Bearing No.		<i>C</i> _r	<i>C</i> _{0r}			Unit No.	Open End Type	Closed End Type	Dimension mm inch	Mass	Unit No.	Open End Type	Closed End Type	Dimension mm inch	Mass																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
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Remarks 1. In Part No. of unit and units with covers, fitting codes follow bore diameter numbers. (See Table 2.5 in P.11.)

2. Part No. of applicable grease nipples are shown below.

A-1/4-28UNF 201-210, X05-X09, 305-308

A-R1/8 211-218, X10-X20, 309-328

3. As for the triple-lip seal type product (from 201 to 205 are the double-lip seal type products), supplementary code L3 (L2) follows the Part No. of unit or bearing. (Example of Part No.: UCF206JL3, UC206L3)

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

5. Housings of spheroidal graphite iron casting are also available.