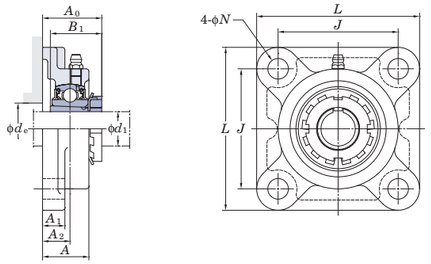
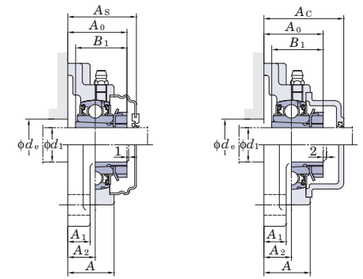
UKF
Tapered bore (with adapter)
d_1 (50) ~ (90) mm





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
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	52.4	36.2	14.4	–	–	– –	–	–	–	– –	–
		175	48	143	19	18	29	65.5	62	69	M16				H2312X	4.1				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	57.2	40.1	14.4	–	–	– –	–	–	–	– –	–
		187	59	149	19	21	34	65	62	69	M16				H2312X	5.5				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	81.9	52.2	13.2	–	–	– –	–	–	–	– –	–
		195	56	150	23	22	33	69.5	62	–	M20				H2312X	6.8				–	–	– –	–	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	57.2	40.1	14.4	–	–	– –	–	–	–	– –	–
		187	50	149	19	22	30	67.5	65	74	M16				H2313X	5.1				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	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	HE2313X	6.0	62.2	44.1	14.5	–	–	– –	–	–	–	– –	–
		187	59	149	19	21	34	68	65	74	M16				H2313X	6.0				UKFX13C	UKFX13D	83.5 3 9/32	6.0	–	–	– –	–
	2 3/8														HS2313X	6.0				–	–	– –	–	–	–	– –	–
	2 1/4	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	HE2313X	7.9	92.7	59.9	13.2	–	–	– –	–	–	–	– –	–
		208	58	166	23	22	33	71.5	65	–	M20				H2313X	7.9				–	–	– –	–	UKF313C	UKF313D	94 3 11/16	9.0
	2 3/8														HS2313X	7.9				–	–	– –	–	–	–	– –	–
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	67.4	48.3	14.5	–	–	– –	–	–	–	– –	–
		200	56	159	19	22	34	74.5	73	85	M16				H2315X	6.5				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	72.7	53.0	14.6	–	–	– –	–	–	–	– –	–
		197	68	152	23	24	40	76	73	85	M20				H2315X	8.1				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	113	77.2	13.2	–	–	– –	–	–	–	– –	–
		236	66	184	25	25	39	81.5	73	–	M22				H2315X	11.7				–	–	– –	–	UKF315C	UKF315D	106 4 3/16	13.1
70	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	72.7	53.0	14.6	–	–	– –	–	–	–	– –	–
		208	58	165	23	22	34	78.5	78	90	M20				H2316X	7.6				UKF216C	UKF216D	88.5 3 15/32	7.6	UKF216FC	UKF216FD	103 4 1/16	8.9
	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	84.0	61.9	14.5	–	–	– –	–	–	–	– –	–
		214	70	171	23	24	40	79	78	90	M20				H2316X	9.5				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	123	86.7	13.3	–	–	– –	–	–	–	– –	–
		250	68	196	31	27	38	82.5	78	–	M27				H2316X	12.9				–	–	– –	–	UKF316C	UKF316D	107 4 7/32	14.5
75		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	84.0	61.9	14.5	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				–	–	– –	–	–	–	– –	–
		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	96.1	71.5	14.5	UKFX17C	UKFX17D	101.5 4	10.4	–	–	– –	–
	3	214	70	171	23	24	40	82	82	96	M20				HE2317X	10.4				–	–	– –	–	–	–	– –	–
		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	133	96.8	13.3	–	–	– –	–	UKF317C	UKF317D	117 4 19/32	17.0
	3	260	74	204	31	27	44	92	82	–	M27				HE2317X	15.2				–	–	– –	–	–	–	– –	–
80	–	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																
	–	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	153	119	13.3	–	–	– –	–	–	–	– –	–
		290	94	228	35	30	59	111	90	–	M30				H2319X	21.9				–	–	– –	–	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	133	105	14.4	–	–	– –	–	–	–	– –	–
		268	97	211	31	28	59	106	97	112	M27				H2320X	18.4				–	–	– –	–	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.