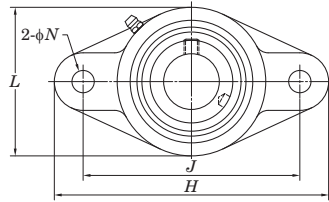
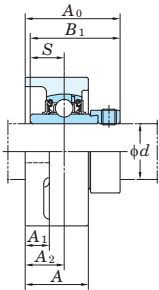


NANFL
Cylindrical bore
(with eccentric locking collar)
d 12 ~ 55 mm



Variations of tolerance of distance from mounting surface to center of spherical bore (ΔA_{2s}) and tolerance of position of bolt hole ($\bar{X}$)

Housing No.	ΔA_{2s}	Unit: mm $\bar{X}$
NFL204~NFL210	± 0.5	0.7
NFL211	± 0.8	1

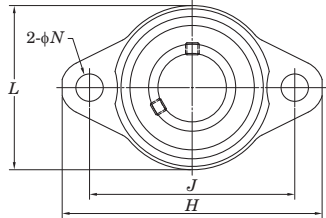
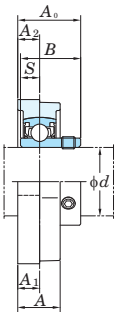
Variations of tolerance of bolt hole diameter (ΔN_s)

Housing No.	Unit: mm ΔN_s
NFL204~NFL211	± 0.2

Shaft Dia mm inch		Dimensions inch mm										Bolt Size inch	Unit No.	Housing No.	Bearing No.	Mass kg
<i>d</i>		<i>H</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> ₁	<i>S</i>					
12	1/2												NANFL201		NA201	
15	5/8	4 7/16	2 3/8	1 5/32	3 17/32	2 5/64	7/16	3/4	1 25/32	1.720	0.673	5/16	NANFL201-8	NFL204	NA201-8	0.59
17	3/4	113	60	29.5	89.7	10	11	19	45.6	43.7	17.1		NANFL202		NA202	
20													NANFL202-10		NA202-10	
													NANFL203		NA203	
													NANFL204-12		NA204-12	
													NANFL204		NA204	
25	7/8	5 1/8	2 11/16	1 7/32	3 57/64	1 5/32	1/2	2 5/32	1 27/32	1.748	0.689	3/8	NANFL205-14	NFL205	NA205-14	0.9
	1 5/16	130	68	31	98.8	12	13	20	46.9	44.4	17.5		NANFL205-15		NA205-15	
	1												NANFL205		NA205	
													NANFL205-16		NA205-16	
30	1 1/8	5 13/16	3 5/32	1 11/32	4 19/32	1 5/32	1/2	5 3/64	2	1.906	0.720	3/8	NANFL206-18	NFL206	NA206-18	1.1
	1 3/16	148	80	34	116.7	12	13	21	51.1	48.4	18.3		NANFL206		NA206	
	1 1/4												NANFL206-19		NA206-19	
													NANFL206-20		NA206-20	
35	1 1/4	6 11/32	3 17/32	1 7/16	5 1/8	3 3/64	9/16	2 7/32	2 1/8	2.012	0.740	7/16	NANFL207-20	NFL207	NA207-20	1.6
	1 5/16	161	90	36.5	130.2	13	14	21.5	53.8	51.1	18.8		NANFL207-21		NA207-21	
	1 3/8												NANFL207-22		NA207-22	
													NANFL207		NA207	
	1 7/16												NANFL207-23		NA207-23	
40	1 1/2	6 7/8	3 15/16	1 17/32	5 21/32	3 3/64	9/16	1 5/16	2 5/16	2.217	0.843	7/16	NANFL208-24	NFL208	NA208-24	2.0
	1 9/16	175	100	39	143.7	13	14	24	58.9	56.3	21.4		NANFL208-25		NA208-25	
													NANFL208		NA208	
45	1 5/8	7 13/32	4 1/4	1 9/16	5 27/32	1 9/32	9/16	1 5/16	2 5/16	2.217	0.843	1/2	NANFL209-26	NFL209	NA209-26	2.3
	1 11/16	188	108	40	148.4	15	14	24	58.9	56.3	21.4		NANFL209-27		NA209-27	
	1 3/4												NANFL209-28		NA209-28	
													NANFL209		NA209	
50	1 7/8	7 3/4	4 17/32	1 27/32	6 3/16	1 9/32	9/16	1 1/8	2 5/8	2.469	0.969	1/2	NANFL210-30	NFL210	NA210-30	2.7
	1 15/16	197	115	46.5	157	15	14	28.5	66.6	62.7	24.6		NANFL210-31		NA210-31	
	2												NANFL210		NA210	
													NANFL210-32		NA210-32	
55	2	8 13/16	5 1/8	1 31/32	7 1/4	2 1/32	2 5/32	1 17/64	2 31/32	2.811	1.094	9/16	NANFL211-32	NFL211	NA211-32	4.1
	2 1/8	224	130	50	184	16.5	20	32	75.6	71.4	27.8		NANFL211-34		NA211-34	
													NANFL211		NA211	
	2 3/16												NANFL211-35		NA211-35	

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
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.

UFL
Cylindrical bore (with set screws)
d 8 ~ 30 mm



Variations of tolerance of distance from mounting surface to center of spherical bore (ΔA_{2s}) and variations of tolerance of distance between centers of bolt holes (ΔJ_s)

Housing No.	ΔA_{2s}	Unit: mm ΔJ_s
FL08	± 0.5	± 0.3
FL000~FL006		

Variations of tolerance of bolt hole diameter (ΔN_s)

Housing No.	Unit: mm ΔN_s
FL08	± 0.2
FL000~FL006	

Shaft Dia. mm	Dimensions inch mm										Bolt Size inch mm	Unit No.	Housing No.	Bearing No.	Mass kg
<i>d</i>	<i>H</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>					
8	1 7/8	1 1/16	1 1/32	1 29/64	3/16	5/32	5/32	1/2	0.472	0.1378	No.8	UFL08	FL08	SU08	0.030
10	2 3/8	1 13/32	1 5/32	1 49/64	9/32	1/4	1 5/64	5/8	0.591	0.197	1/4	UFL000	FL000	SU000	0.050
12	2 15/32	1 1/2	1 5/32	1 57/64	9/32	1/4	1 5/64	5/8	0.591	0.197	1/4	UFL001	FL001	SU001	0.065
15	2 5/8	1 21/32	1/2	2 3/32	9/32	1/4	1/4	1 1/16	0.650	0.217	1/4	UFL002	FL002	SU002	0.085
17	2 25/32	1 13/16	9/16	2 13/64	9/32	9/32	9/32	2 3/32	0.689	0.236	1/4	UFL003	FL003	SU003	0.11
20	3 17/32	2 5/32	5/8	2 51/64	2 5/64	5/16	5/16	7/8	0.827	0.276	5/16	UFL004	FL004	SU004	0.18
25	3 3/4	2 3/8	5/8	2 61/64	2 5/64	5/16	5/16	2 9/32	0.866	0.276	5/16	UFL005	FL005	SU005	0.23
30	4 13/32	2 3/4	2 3/32	3 11/32	3 3/64	1 1/32	2 3/64	1 1/32	0.965	0.295	3/8	UFL006	FL006	SU006	0.31
	112	70	18	85	13	9	9	26	24.5	7.5	M10				

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