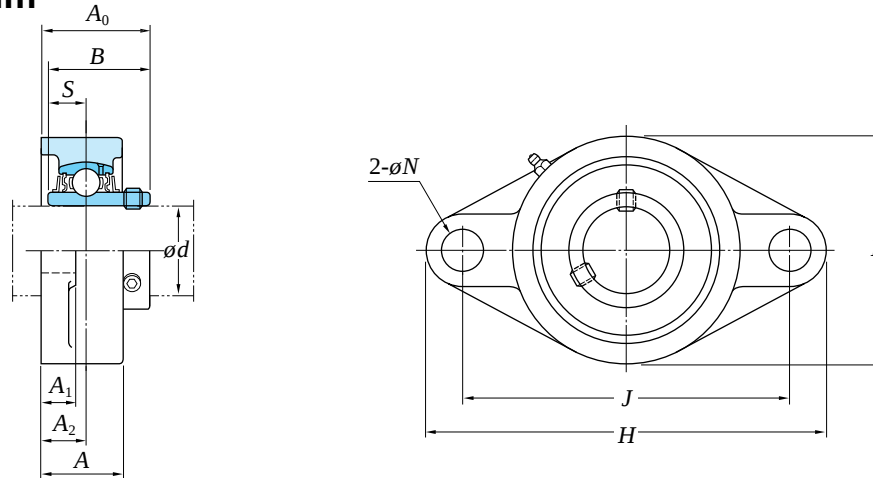


Ball bearing units
rhombic-flanged type
UCFL (set screw locking)
d 12 – 60 mm



Shaft dia. (mm)	Dimensions (mm)										Bolt size	Unit No.	Housing No.	Applicable bearing			(Refer.) Unit Mass (kg)	
	<i>d</i>	<i>H</i>	<i>J</i>	<i>L</i>	<i>A</i>	<i>A</i> ₁	<i>A</i> ₂	<i>A</i> ₀	<i>N</i>	<i>B</i>				<i>S</i>	No.	Basic load ratings (kN)		
																<i>C</i> _r		<i>C</i> _{0r}
12	113	90	60	25.5	11	15	33.3	12	31	12.7	M10	UCFL201	FL204	UC201	12.8	6.65	0.50	
15	113	90	60	25.5	11	15	33.3	12	31	12.7	M10	UCFL202	FL204	UC202	12.8	6.65	0.48	
17	113	90	60	25.5	11	15	33.3	12	31	12.7	M10	UCFL203	FL204	UC203	12.8	6.65	0.47	
20	113	90	60	25.5	11	15	33.3	12	31	12.7	M10	UCFL204	FL204	UC204	12.8	6.65	0.45	
25	130	99	68	27	13	16	35.8	16	34.1	14.3	M14	UCFL205	FL205	UC205	14.0	7.85	0.64	
	141	117	83	30	13	18	40.2	12	38.1	15.9	M10	UCFLX05	FLX05	UCX05	19.5	11.3	1.1	
	150	113	80	29	13	16	39	19	38	15	M16	UCFL305	FL305	UC305	20.6	11.3	1.1	
30	148	117	80	31	13	18	40.2	16	38.1	15.9	M14	UCFL206	FL206	UC206	19.5	11.3	0.93	
	156	130	95	34	14	19	44.4	16	42.9	17.5	M14	UCFLX06	FLX06	UCX06	25.7	15.4	1.5	
	180	134	90	32	15	18	44	23	43	17	M20	UCFL306	FL306	UC306	26.7	15.0	1.5	
35	161	130	90	34	14	19	44.4	16	42.9	17.5	M14	UCFL207	FL207	UC207	25.7	15.4	1.2	
	171	144	105	38	14	21	51.2	16	49.2	19	M14	UCFLX07	FLX07	UCX07	29.1	17.8	1.9	
	185	141	100	36	16	20	49	23	48	19	M20	UCFL307	FL307	UC307	33.4	19.3	1.8	
40	175	144	100	36	14	21	51.2	16	49.2	19	M14	UCFL208	FL208	UC208	29.1	17.8	1.6	
	179	148	111	40	14	22	52.2	16	49.2	19	M14	UCFLX08	FLX08	UCX08	32.7	20.3	2.1	
	200	158	112	40	17	23	56	23	52	19	M20	UCFL308	FL308	UC308	40.7	24.0	2.5	
45	188	148	108	38	15	22	52.2	19	49.2	19	M16	UCFL209	FL209	UC209	32.7	20.3	1.9	
	189	157	116	40	14	23	55.6	16	51.6	19	M14	UCFLX09	FLX09	UCX09	35.1	23.3	2.4	
	230	177	125	44	18	25	60	25	57	22	M22	UCFL309	FL309	UC309	48.9	29.5	3.5	
50	197	157	115	40	15	22	54.6	19	51.6	19	M16	UCFL210	FL210	UC210	35.1	23.3	2.2	
	216	184	133	44	20	26	59.4	19	55.6	22.2	M16	UCFLX10	FLX10	UCX10	43.4	29.4	3.8	
	240	187	140	48	19	28	67	25	61	22	M22	UCFL310	FL310	UC310	62.0	38.3	4.4	
55	224	184	130	43	18	25	58.4	19	55.6	22.2	M16	UCFL211	FL211	UC211	43.4	29.4	3.3	
	250	198	150	52	20	30	71	25	66	25	M22	UCFL311	FL311	UC311	71.6	45.0	5.3	
60	250	202	140	48	18	29	68.7	23	65.1	25.4	M20	UCFL212	FL212	UC212	52.4	36.2	4.2	
	270	212	160	56	22	33	78	31	71	26	M27	UCFL312	FL312	UC312	81.9	52.2	6.5	

Remarks 1) Applicable sizes of grease nipples are shown below.

1/4-28UNF	201 – 210, X05 – X09, 305 – 308
PT 1/8	211 – 218, X10, 309 – 318

2) For bearings with double- or triple-lip seals, unit and bearing number are suffixed by L2 or L3.
 (For more detailed information, refer to ball bearing for unit specification tables.)

d 65 – 90 mm

Shaft dia. (mm)	Dimensions (mm)										Bolt size	Unit No.	Housing No.	Applicable bearing No.	Basic load ratings (kN)		(Refer.) Unit Mass (kg)
<i>d</i>	<i>H</i>	<i>J</i>	<i>L</i>	<i>A</i>	<i>A</i> ₁	<i>A</i> ₂	<i>A</i> ₀	<i>N</i>	<i>B</i>	<i>S</i>					<i>C</i> _r	<i>C</i> _{0r}	
65	258	210	155	50	20	30	69.7	23	65.1	25.4	M20	UCFL213 UCFL313	FL213	UC213	57.2	40.1	5.1
	295	240	175	58	25	33	78	31	75	30	M27		FL313	UC313	92.7	59.9	8.5
70	265	216	160	54	20	31	75.4	23	74.6	30.2	M20	UCFL214 UCFL314	FL214	UC214	62.2	44.1	5.7
	315	250	185	61	28	36	81	35	78	33	M30		FL314	UC314	104	68.2	9.7
75	275	225	165	56	20	34	78.5	23	77.8	33.3	M20	UCFL215 UCFL315	FL215	UC215	67.4	48.3	6.4
	320	260	195	66	30	39	89	35	82	32	M30		FL315	UC315	113	77.2	11.3
80	290	233	180	58	20	34	83.3	25	82.6	33.3	M22	UCFL216 UCFL316	FL216	UC216	72.7	53.0	7.8
	355	285	210	68	32	38	90	38	86	34	M33		FL316	UC316	123	86.7	14.4
85	305	248	190	63	22	36	87.6	25	85.7	34.1	M22	UCFL217 UCFL317	FL217	UC217	84.0	61.9	9.8
	370	300	220	74	32	44	100	38	96	40	M33		FL317	UC317	133	96.8	16.0
90	320	265	205	68	23	40	96.3	25	96	39.7	M22	UCFL218 UCFL318	FL218	UC218	96.1	71.5	12.3
	385	315	235	76	36	44	100	38	96	40	M33		FL318	UC318	143	107	19.0

Remarks 1) Applicable sizes of grease nipples are shown below.

1/4-28UNF 201 – 210, X05 – X09, 305 – 308
 PT 1/8 211 – 218, X10, 309 – 318

2) For bearings with double- or triple-lip seals, unit and bearing number are suffixed by L2 or L3.
 (For more detailed information, refer to ball bearing for unit specification tables.)