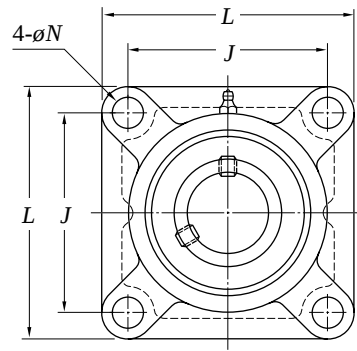
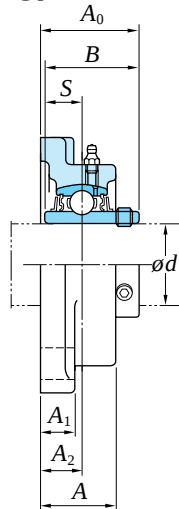


Ball bearing units
square-flanged type
UCF (set screw locking)
d 12 – 55 mm



Shaft dia. (mm) <i>d</i>	Dimensions (mm)									Bolt size	Unit No.	Housing No.	Applicable bearing			(Refer.) Unit Mass (kg)
	<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	64	86	25.5	11	15	33.3	12	31	12.7	M10	UCF201	F204	UC201	12.8	6.65	0.64
15	64	86	25.5	11	15	33.3	12	31	12.7	M10	UCF202	F204	UC202	12.8	6.65	0.62
17	64	86	25.5	11	15	33.3	12	31	12.7	M10	UCF203	F204	UC203	12.8	6.65	0.61
20	64	86	25.5	11	15	33.3	12	31	12.7	M10	UCF204	F204	UC204	12.8	6.65	0.59
25	70	95	27	13	16	35.8	12	34.1	14.3	M10	UCF205	F205	UC205	14.0	7.85	0.83
	83	108	30	13	18	40.2	12	38.1	15.9	M10	UCFX05	FX05	UCX05	19.5	11.3	1.2
	80	110	29	13	16	39	16	38	15	M14	UCF305	F305	UC305	20.6	11.3	1.3
30	83	108	31	13	18	40.2	12	38.1	15.9	M10	UCF206	F206	UC206	19.5	11.3	1.1
	92	117	34	14	19	44.4	16	42.9	17.5	M14	UCFX06	FX06	UCX06	25.7	15.4	1.6
	95	125	32	15	18	44	16	43	17	M14	UCF306	F306	UC306	26.7	15.0	1.9
35	92	117	34	15	19	44.4	14	42.9	17.5	M12	UCF207	F207	UC207	25.7	15.4	1.5
	102	130	38	14	21	51.2	16	49.2	19	M14	UCFX07	FX07	UCX07	29.1	17.8	2.0
	100	135	36	16	20	49	19	48	19	M16	UCF307	F307	UC307	33.4	19.3	2.3
40	102	130	36	15	21	51.2	16	49.2	19	M14	UCF208	F208	UC208	29.1	17.8	1.9
	105	137	40	14	22	52.2	19	49.2	19	M16	UCFX08	FX08	UCX08	32.7	20.3	2.4
	112	150	40	17	23	56	19	52	19	M16	UCF308	F308	UC308	40.7	24.0	3.1
45	105	137	38	16	22	52.2	16	49.2	19	M14	UCF209	F209	UC209	32.7	20.3	2.2
	111	143	40	14	23	55.6	19	51.6	19	M16	UCFX09	FX09	UCX09	35.1	23.3	2.7
	125	160	44	18	25	60	19	57	22	M16	UCF309	F309	UC309	48.9	29.5	4.0
50	111	143	40	16	22	54.6	16	51.6	19	M14	UCF210	F210	UC210	35.1	23.3	2.5
	130	162	44	20	26	59.4	19	55.6	22.2	M16	UCFX10	FX10	UCX10	43.4	29.4	3.7
	132	175	48	19	28	67	23	61	22	M20	UCF310	F310	UC310	62.0	38.3	5.1
55	130	162	43	18	25	58.4	19	55.6	22.2	M16	UCF211	F211	UC211	43.4	29.4	3.4
	143	175	49	20	29	68.7	19	65.1	25.4	M16	UCFX11	FX11	UCX11	52.4	36.2	4.9
	140	185	52	20	30	71	23	66	25	M20	UCF311	F311	UC311	71.6	45.0	5.6

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 – X20, 309 – 328

- 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 60 – 140 mm

Shaft dia. (mm) <i>d</i>	Dimensions (mm)									Bolt size	Unit No.	Housing No.	Applicable bearing Basic load ratings (kN)			(Refer.) Unit Mass (kg)
	<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.	<i>C</i> _r	<i>C</i> _{0r}	
60	143	175	48	18	29	68.7	19	65.1	25.4	M16	UCF212 UCFX12 UCF312	F212	UC212	52.4	36.2	4.2
	149	187	59	21	34	73.7	19	65.1	25.4	M16		FX12	UCX12	57.2	40.1	5.7
	150	195	56	22	33	78	23	71	26	M20		F312	UC312	81.9	52.2	6.9
65	149	187	50	22	30	69.7	19	65.1	25.4	M16	UCF213 UCFX13 UCF313	F213	UC213	57.2	40.1	5.2
	149	187	59	21	34	78.4	19	74.6	30.2	M16		FX13	UCX13	62.2	44.1	6.3
	166	208	58	22	33	78	23	75	30	M20		F313	UC313	92.7	59.9	7.8
70	152	193	54	22	31	75.4	19	74.6	30.2	M16	UCF214 UCFX14 UCF314	F214	UC214	62.2	44.1	5.9
	152	197	60	22	37	81.5	23	77.8	33.3	M20		FX14	UCX14	67.4	48.3	7.0
	178	226	61	25	36	81	25	78	33	M22		F314	UC314	104	68.2	10.1
75	159	200	56	22	34	78.5	19	77.8	33.3	M16	UCF215 UCFX15 UCF315	F215	UC215	67.4	48.3	6.4
	152	197	68	24	40	89.3	23	82.6	33.3	M20		FX15	UCX15	72.7	53.0	8.4
	184	236	66	25	39	89	25	82	32	M22		F315	UC315	113	77.2	11.6
80	165	208	58	22	34	83.3	23	82.6	33.3	M20	UCF216 UCFX16 UCF316	F216	UC216	72.7	53.0	7.3
	171	214	70	24	40	91.6	23	85.7	34.1	M20		FX16	UCX16	84.0	61.9	9.4
	196	250	68	27	38	90	31	86	34	M27		F316	UC316	123	86.7	12.8
85	175	220	63	24	36	87.6	23	85.7	34.1	M20	UCF217 UCFX17 UCF317	F217	UC217	84.0	61.9	8.9
	171	214	70	24	40	96.3	23	96	39.7	M20		FX17	UCX17	96.1	71.5	10.8
	204	260	74	27	44	100	31	96	40	M27		F317	UC317	133	96.8	15.3
90	187	235	68	25	40	96.3	23	96	39.7	M20	UCF218 UCFX18 UCF318	F218	UC218	96.1	71.5	11.4
	171	214	76	24	45	106.1	23	104	42.9	M20		FX18	UCX18	109	81.9	11.9
	216	280	76	30	44	100	35	96	40	M30		F318	UC318	143	107	18.9
95	228	290	94	30	59	121	35	103	41	M30	UCF319	F319	UC319	153	119	21.6
100	211	268	97	28	59	127.3	31	117.5	49.2	M27	UCFX20 UCF320	FX20	UCX20	133	105	19.4
	242	310	94	32	59	125	38	108	42	M33		F320	UC320	173	141	25.8
105	242	310	94	32	59	127	38	112	44	M33	UCF321	F321	UC321	184	153	30.2
110	266	340	96	35	60	131	41	117	46	M36	UCF322	F322	UC322	205	180	35.3
120	290	370	110	40	65	140	41	126	51	M36	UCF324	F324	UC324	207	185	47.3
130	320	410	115	45	65	146	41	135	54	M36	UCF326	F326	UC326	229	214	65.5
140	350	450	125	55	75	161	41	145	59	M36	UCF328	F328	UC328	253	246	93.4

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 – X20, 309 – 328

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.)