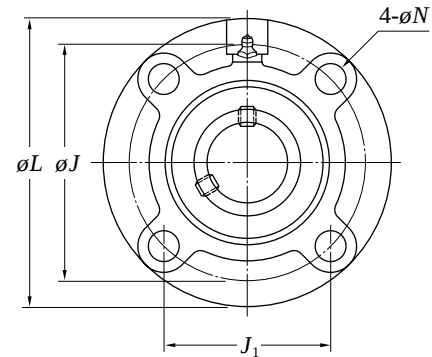
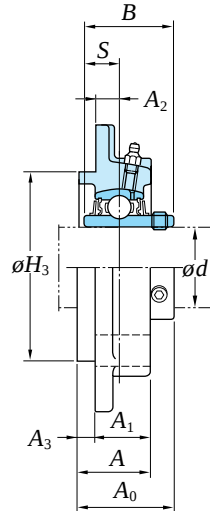


Ball bearing units

round-falnged type with spigot joint

UCFC (set screw locking)

d 12 – 70 mm



Shaft dia. (mm)	Dimensions (mm)												Bolt size	Unit No.	Housing No.	Applicable bearing			(Refer.) Unit Mass (kg)	
	<i>d</i>	<i>L</i>	<i>J</i>	<i>J</i> ₁	<i>H</i> ₃	<i>A</i>	<i>A</i> ₁	<i>A</i> ₂	<i>A</i> ₃	<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	100	78	55.1	62	25.5	20.5	10	5	33.3	12	31	12.7	M10	UCFC201	FC204	UC201	12.8	6.65	0.78	
15	100	78	55.1	62	25.5	20.5	10	5	33.3	12	31	12.7	M10	UCFC202	FC204	UC202	12.8	6.65	0.76	
17	100	78	55.1	62	25.5	20.5	10	5	33.3	12	31	12.7	M10	UCFC203	FC204	UC203	12.8	6.65	0.75	
20	100	78	55.1	62	25.5	20.5	10	5	33.3	12	31	12.7	M10	UCFC204	FC204	UC204	12.8	6.65	0.73	
25	115	90	63.6	70	27	21	10	6	35.8	12	34.1	14.3	M10	UCFC205	FC205	UC205	14.0	7.85	0.95	
	111	92	65	76	30	24	10	6	38.2	9.5	38.1	15.9	M8	UCFCX05	FCX05	UCX05	19.5	11.3	1.2	
30	125	100	70.7	80	31	23	10	8	40.2	12	38.1	15.9	M10	UCFC206	FC206	UC206	19.5	11.3	1.3	
	127	105	74.2	85	32	22.5	8	9.5	42.9	12	42.9	17.5	M10	UCFCX06	FCX06	UCX06	25.7	15.4	1.5	
35	135	110	77.8	90	34	26	11	8	44.4	14	42.9	17.5	M12	UCFC207	FC207	UC207	25.7	15.4	1.7	
	133	111	78.5	92	37	26	9	11	50.2	12	49.2	19	M10	UCFCX07	FCX07	UCX07	29.1	17.8	1.9	
40	145	120	84.8	100	36	26	11	10	51.2	14	49.2	19	M12	UCFC208	FC208	UC208	29.1	17.8	2.0	
	133	111	78.5	92	37	26	9	11	50.2	12	49.2	19	M10	UCFCX08	FCX08	UCX08	32.7	20.3	2.0	
45	160	132	93.3	105	38	26	10	12	52.2	16	49.2	19	M14	UCFC209	FC209	UC209	32.7	20.3	2.6	
	155	130	91.9	108	37	25	8	12	52.6	14	51.6	19	M12	UCFCX09	FCX09	UCX09	35.1	23.3	2.6	
50	165	138	97.6	110	40	28	10	12	54.6	16	51.6	19	M14	UCFC210	FC210	UC210	35.1	23.3	2.9	
	162	136	96.2	118	41	25	7	16	56.4	14	55.6	22.2	M12	UCFCX10	FCX10	UCX10	43.4	29.4	3.2	
55	185	150	106.1	125	43	31	13	12	58.4	19	55.6	22.2	M16	UCFC211	FC211	UC211	43.4	29.4	4.2	
	180	152	107.5	127	48	26	4	22	65.7	16	65.1	25.4	M14	UCFCX11	FCX11	UCX11	52.4	36.2	4.3	
60	195	160	113.1	135	48	36	17	12	68.7	19	65.1	25.4	M16	UCFC212	FC212	UC212	52.4	36.2	5.0	
	194	165	116.7	140	53	33	11	20	70.7	16	65.1	25.4	M14	UCFCX12	FCX12	UCX12	57.2	40.1	5.3	
65	205	170	120.2	145	50	36	16	14	69.7	19	65.1	25.4	M16	UCFC213	FC213	UC213	57.2	40.1	5.6	
	194	165	116.7	140	53	33	11	20	75.4	16	74.6	30.2	M14	UCFCX13	FCX13	UCX13	62.2	44.1	5.7	
70	215	177	125.1	150	54	40	17	14	75.4	19	74.6	30.2	M16	UCFC214	FC214	UC214	62.2	44.1	6.8	
	222	190	134.3	164	56	36	14	20	78.5	19	77.8	33.3	M16	UCFCX14	FCX14	UCX14	67.4	48.3	7.3	

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

1/4-28UNF 201 – 210, X05 – X09
PT 1/8 211 – 218, X10 – X20

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 75 – 100 mm

Shaft dia. (mm)	Dimensions (mm)												Bolt size	Unit No.	Housing No.	Applicable bearing			(Refer.) Unit Mass (kg)	
	<i>d</i>	<i>L</i>	<i>J</i>	<i>J</i> ₁	<i>H</i> ₃	<i>A</i>	<i>A</i> ₁	<i>A</i> ₂	<i>A</i> ₃	<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}
75	220	184	130.1	160	56	40	18	16	78.5	19	77.8	33.3	M16	UCFC215 UCFCX15	FC215 FCX15	UC215 UCX15	67.4	48.3	7.2	
	222	190	134.3	164	57	35	12	22	83.3	19	82.6	33.3	M16				72.7	53.0	8.0	
80	240	200	141.4	170	58	42	18	16	83.3	23	82.6	33.3	M20	UCFC216 UCFCX16	FC216 FCX16	UC216 UCX16	72.7	53.0	8.7	
	260	219	154.8	186	61	36	10	25	86.6	23	85.7	34.1	M20				84.0	61.9	11.3	
85	250	208	147.1	180	63	45	18	18	87.6	23	85.7	34.1	M20	UCFC217 UCFCX17	FC217 FCX17	UC217 UCX17	84.0	61.9	10.3	
	260	219	154.8	186	61	36	10	25	91.3	23	96	39.7	M20				96.1	71.5	12.9	
90	265	220	155.5	190	68	50	22	18	96.3	23	96	39.7	M20	UCFC218 UCFCX18	FC218 FCX18	UC218 UCX18	96.1	71.5	13.3	
	260	219	154.8	186	71	43	12	28	101.1	23	104	42.9	M20				109	81.9	13.5	
100	276	238	168.3	206	94	66	22	28	118.3	23	117.5	49.2	M20	UCFCX20	FCX20	UCX20	133	105	18.2	

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

1/4-28UNF 201 – 210, X05 – X09
 PT 1/8 211 – 218, X10 – X20

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.)