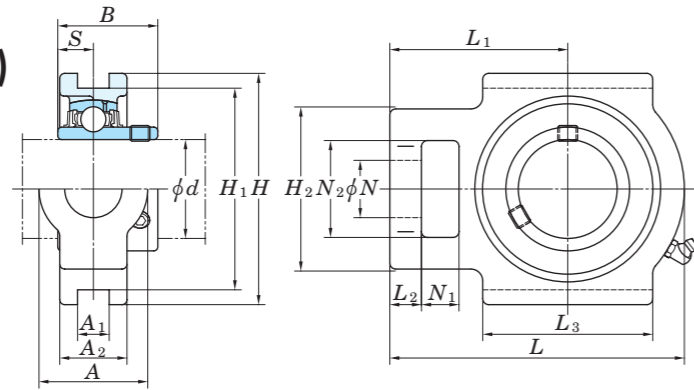


Ball bearing units
take-up type
UCT (with set screws)
 d 12 ~ (55) mm



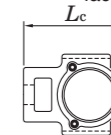
Shaft dia. (mm) d	Dimensions (mm)														Unit No.	Housing No.	
	A	A ₁	A ₂	H	H ₁	H ₂	L	L ₁	L ₂	L ₃	N	N ₁	N ₂	B			S
12	32	12	21	89	76	51	94	61	10	51	19	16	32	31	12.7	UCT201	T204
15	32	12	21	89	76	51	94	61	10	51	19	16	32	31	12.7	UCT202	T204
17	32	12	21	89	76	51	94	61	10	51	19	16	32	31	12.7	UCT203	T204
20	32	12	21	89	76	51	94	61	10	51	19	16	32	31	12.7	UCT204	T204
25	32	12	24	89	76	51	97	62	10	51	19	16	32	34.1	14.3	UCT205	T205
	37	12	28	102	89	56	113	70	10	57	22	16	37	38.1	15.9	UCTX05	TX05
	36	12	26	89	80	62	122	76	12	65	26	16	36	38	15	UCT305	T305
30	37	12	28	102	89	56	113	70	10	57	22	16	37	38.1	15.9	UCT206	T206
	37	12	30	102	89	64	129	78	13	64	22	16	37	42.9	17.5	UCTX06	TX06
	41	16	28	100	90	70	137	85	14	74	28	18	41	43	17	UCT306	T306
35	37	12	30	102	89	64	129	78	13	64	22	16	37	42.9	17.5	UCT207	T207
	49	16	36	114	102	83	144	88	15	83	29	19	49	49.2	19	UCTX07	TX07
	45	16	32	111	100	75	150	94	15	80	30	20	45	48	19	UCT307	T307
40	49	16	33	114	102	83	144	88	16	83	29	19	49	49.2	19	UCT208	T208
	49	16	36	117	102	83	144	87	15	83	29	19	49	49.2	19	UCTX08	TX08
	50	18	34	124	112	83	162	100	17	89	32	22	50	52	19	UCT308	T308
45	49	16	35	117	102	83	144	87	16	83	29	19	49	49.2	19	UCT209	T209
	49	16	38	117	102	83	149	90	16	86	29	19	49	51.6	19	UCTX09	TX09
	55	18	38	138	125	90	178	110	18	97	34	24	55	57	22	UCT309	T309
50	49	16	37	117	102	83	149	90	16	86	29	19	49	51.6	19	UCT210	T210
	64	22	42	146	130	102	171	106	19	95	35	25	64	55.6	22.2	UCTX10	TX10
	61	20	40	151	140	98	191	117	20	106	37	27	61	61	22	UCT310	T310
55	64	22	38	146	130	102	171	106	19	95	35	25	64	55.6	22.2	UCT211	T211

[Remarks] 1) Applicable sizes of grease nipples are shown below.
B-1/4-28UNF..... 201~210, X05~X09, 305~308
B-PT 1/8..... 211~217, X10~X17, 309~328

Tolerances for housing unit : mm

housing No.		ΔA_{1s}	ΔH_{1s}	X
T204~T210	TX05~TX10	+0.2 0	0 -0.5	0.5
T211~T217	TX11~TX17	+0.3 0	0 -0.8	0.6
	T311~T318			0.7
	T319~T322 T324~T328			0.8

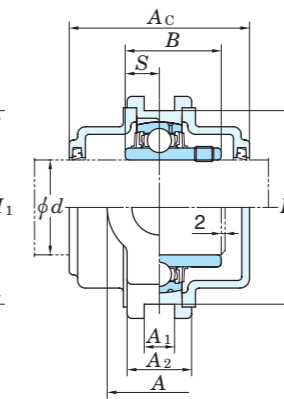
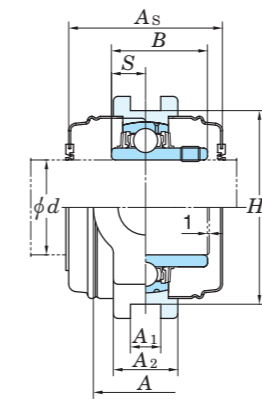
ΔA_{1s} : deviation of nominal raceway groove width.
 ΔH_{1s} : deviation of distance between both groove bottoms.
X : symmetry tolerance of both groove-side face.



T204JE3, T205JE3 (with cast iron covers) are shown below.
T204JE3 $L_c = 97$ mm
T205JE3 $L_c = 102$ mm

Pressed steel covers

Cast iron covers

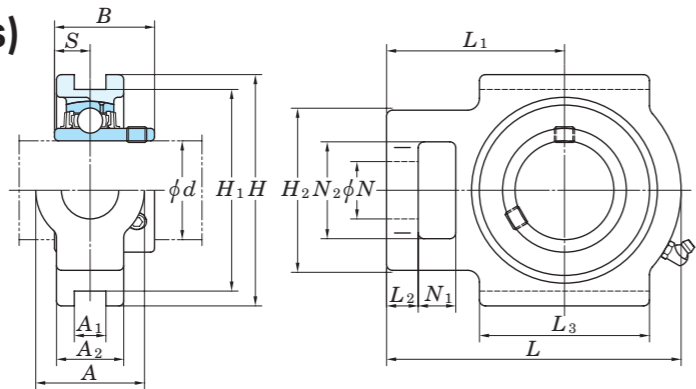


No.	Applicable bearing			Unit No. with covers				Cover dimensions (mm)		(Refer.) Unit mass (kg)	
	Basic load ratings (kN) C_r C_{Or}	Factor f_0		Pressed steel covers Open ends Closed end		Cast iron covers Open ends Closed end		A_s A_c	Pressed steel covers	Cast iron covers	
UC201	12.8	6.65	13.2	UCT201C	UCT201CD	—	—	44	—	0.81	—
UC202	12.8	6.65	13.2	UCT202C	UCT202CD	—	—	44	—	0.79	—
UC203	12.8	6.65	13.2	UCT203C	UCT203CD	—	—	44	—	0.78	—
UC204	12.8	6.65	13.2	UCT204C	UCT204CD	UCT204FC	UCT204FCD	44	62	0.76	1.1
UC205	14.0	7.85	13.9	UCT205C	UCT205CD	UCT205FC	UCT205FCD	48	66	0.84	1.2
UCX05	19.5	11.3	13.9	UCTX05C	UCTX05CD	—	—	52	—	1.4	—
UC305	21.2	10.9	12.6	—	—	UCT305C	UCT305CD	—	76	1.4	2.0
UC206	19.5	11.3	13.9	UCT206C	UCT206CD	UCT206FC	UCT206FCD	52	70	1.3	1.8
UCX06	25.7	15.4	13.9	UCTX06C	UCTX06CD	—	—	59	—	1.7	—
UC306	26.7	15.0	13.3	—	—	UCT306C	UCT306CD	—	82	1.8	2.4
UC207	25.7	15.4	13.9	UCT207C	UCT207CD	UCT207FC	UCT207FCD	59	78	1.6	2.3
UCX07	29.1	17.8	14.0	UCTX07C	UCTX07CD	—	—	68	—	2.7	—
UC307	33.4	19.3	13.2	—	—	UCT307C	UCT307CD	—	88	2.3	3.1
UC208	29.1	17.8	14.0	UCT208C	UCT208CD	UCT208FC	UCT208FCD	68	86	2.5	3.3
UCX08	32.7	20.3	14.0	UCTX08C	UCTX08CD	—	—	68	—	2.6	—
UC308	40.7	24.0	13.2	—	—	UCT308C	UCT308CD	—	96	3.0	4.0
UC209	32.7	20.3	14.0	UCT209C	UCT209CD	UCT209FC	UCT209FCD	68	88	2.4	3.2
UCX09	35.1	23.3	14.4	UCTX09C	UCTX09CD	—	—	73	—	2.9	—
UC309	48.9	29.5	13.3	—	—	UCT309C	UCT309CD	—	102	4.1	5.4
UC210	35.1	23.3	14.4	UCT210C	UCT210CD	UCT210FC	UCT210FCD	73	97	2.6	3.6
UCX10	43.4	29.4	14.4	UCTX10C	UCTX10CD	—	—	75	—	4.4	—
UC310	62.0	38.3	13.2	—	—	UCT310C	UCT310CD	—	110	4.9	6.5
UC211	43.4	29.4	14.4	UCT211C	UCT211CD	UCT211FC	UCT211FCD	75	99	4.0	5.2

2) For bearings with double- or triple-lip seals, unit and bearing number are suffixed by L2 or L3.
(UCT206L3, UC206L3)

3) For more detailed information, refer to ball bearing for unit specification tables.

**Ball bearing units
take-up type
UCT (with set screws)**
d (55) ~ 100 mm



Shaft dia. (mm) <i>d</i>	Dimensions (mm)															Unit No.	Housing No.
	A	A ₁	A ₂	H	H ₁	H ₂	L	L ₁	L ₂	L ₃	N	N ₁	N ₂	B	S		
55	64	22	44	146	130	102	194	119	19	102	35	32	64	65.1	25.4	UCTX11 UCT311	TX11 T311
	66	22	44	163	150	105	207	127	21	115	39	29	66	66	25		
60	64	22	42	146	130	102	194	119	19	102	35	32	64	65.1	25.4	UCT212 UCTX12 UCT312	T212 TX12 T312
	70	26	48	167	151	111	224	137	21	121	41	32	70	65.1	25.4		
	71	22	46	178	160	113	220	135	23	123	41	31	71	71	26		
65	70	26	44	167	151	111	224	137	21	121	41	32	70	65.1	25.4	UCT213 UCTX13 UCT313	T213 TX13 T313
	70	26	48	167	151	111	224	137	21	121	41	32	70	74.6	30.2		
	80	26	50	190	170	116	238	146	25	134	43	32	70	75	30		
70	70	26	46	167	151	111	224	137	21	121	41	32	70	74.6	30.2	UCT214 UCTX14 UCT314	T214 TX14 T314
	70	26	48	167	151	111	232	140	21	121	41	32	70	77.8	33.3		
	90	26	52	202	180	130	252	155	25	140	46	36	85	78	33		
75	70	26	48	167	151	111	232	140	21	121	41	32	70	77.8	33.3	UCT215 UCTX15 UCT315	T215 TX15 T315
	70	28	48	184	165	111	235	140	21	121	41	32	70	82.6	33.3		
	90	26	55	216	192	132	262	160	25	150	46	36	85	82	32		
80	70	26	51	184	165	111	235	140	21	121	41	32	70	82.6	33.3	UCT216 UCTX16 UCT316	T216 TX16 T316
	73	28	54	198	173	124	260	162	28	157	48	38	73	85.7	34.1		
	102	30	60	230	204	150	282	174	28	160	53	42	98	86	34		
85	73	30	54	198	173	124	260	162	29	157	48	38	73	85.7	34.1	UCT217 UCTX17 UCT317	T217 TX17 T317
	73	28	54	198	173	124	260	162	28	157	48	38	73	96	39.7		
	102	32	64	240	214	152	298	183	30	170	53	42	98	96	40		
90	110	32	66	255	228	160	312	192	30	175	57	46	106	96	40	UCT318	T318
95	110	35	72	270	240	165	322	197	31	180	57	46	106	103	41	UCT319	T319
100	120	35	75	290	260	175	345	210	32	200	59	48	115	108	42	UCT320	T320

[Remarks] 1) Applicable sizes of grease nipples are shown below.
 B-1/4-28UNF..... 201~210, X05~X09, 305~308
 B-PT 1/8..... 211~217, X10~X17, 309~328

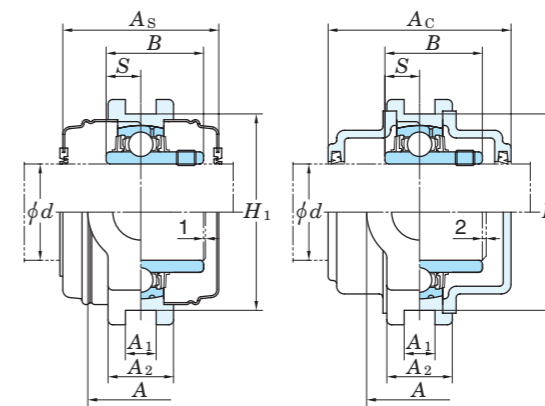
Tolerances for housing unit : mm

housing No.			ΔA_{1s}	ΔH_{1s}	X
T204~T210	TX05~TX10	T305~T310	+0.2 0	0 -0.5	0.5
T211~T217	TX11~TX17	T311~T318	+0.3 0	0 -0.8	0.6
		T319~T322			0.7
		T324~T328			0.8

ΔA_{1s} : deviation of nominal raceway groove width.
 ΔH_{1s} : deviation of distance between both groove bottoms.
 X: symmetry tolerance of both groove-side face.

Pressed steel covers

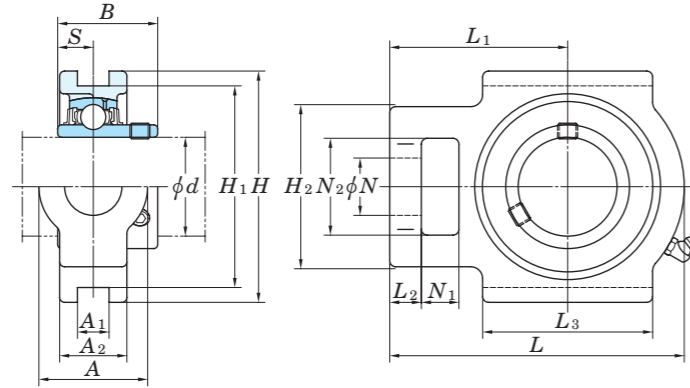
Cast iron covers



No.	Applicable bearing			Unit No. with covers				Cover dimensions (mm)		(Refer.) Unit mass (kg)	
	Basic load ratings (kN)		Factor	Pressed steel covers		Cast iron covers		A _s	A _c	Pressed steel covers	Cast iron covers
	C _r	C _{0r}	f ₀	Open ends	Closed end	Open ends	Closed end				
UCX11 UC311	52.4 71.6	36.2 45.0	14.4 13.2	UCTX11C —	UCTX11CD —	— UCT311C	— UCT311CD	88 —	— 114	5.3 6.1	— 7.9
UC212 UCX12 UC312	52.4 57.2 81.9	36.2 40.1 52.2	14.4 14.4 13.2	UCT212C UCTX12C —	UCT212CD UCTX12CD —	UCT212FC — UCT312C	UCT212FCD — UCT312CD	88 88 —	114 — 124	4.9 7.4 7.6	6.4 — 9.9
UC213 UCX13 UC313	57.2 62.2 92.7	40.1 44.1 59.9	14.4 14.5 13.2	UCT213C UCTX13C —	UCT213CD UCTX13CD —	UCT213FC — UCT313C	UCT213FCD — UCT313CD	88 98 —	114 — 122	6.9 7.6 9.3	8.6 — 11.4
UC214 UCX14 UC314	62.2 67.4 104	44.1 48.3 68.2	14.5 14.5 13.2	UCT214C UCTX14C —	UCT214CD UCTX14CD —	UCT214FC — UCT314C	UCT214FCD — UCT314CD	98 98 —	124 — 124	7.0 7.9 11.1	8.9 — 13.4
UC215 UCX15 UC315	67.4 72.7 113	48.3 53.0 77.2	14.5 14.6 13.2	UCT215C UCTX15C —	UCT215CD UCTX15CD —	UCT215FC — UCT315C	UCT215FCD — UCT315CD	98 108 —	124 — 134	7.3 8.7 13.0	9.2 — 15.5
UC216 UCX16 UC316	72.7 84.0 123	53.0 61.9 86.7	14.6 14.5 13.3	UCT216C UCTX16C —	UCT216CD UCTX16CD —	UCT216FC — UCT316C	UCT216FCD — UCT316CD	108 112 —	138 — 138	8.2 11.7 16.2	10.6 — 19.1
UC217 UCX17 UC317	84.0 96.1 133	61.9 71.5 96.8	14.5 14.5 13.3	UCT217C UCTX17C —	UCT217CD UCTX17CD —	UCT217FC — UCT317C	UCT217FCD — UCT317CD	112 122 —	142 — 146	11.0 11.7 19.0	13.7 — 22.3
UC318	143	107	13.3	—	—	UCT318C	UCT318CD	—	150	21.6	25.4
UC319	153	119	13.3	—	—	UCT319C	UCT319CD	—	162	24.9	29.2
UC320	173	141	13.2	—	—	UCT320C	UCT320CD	—	174	30.7	36.3

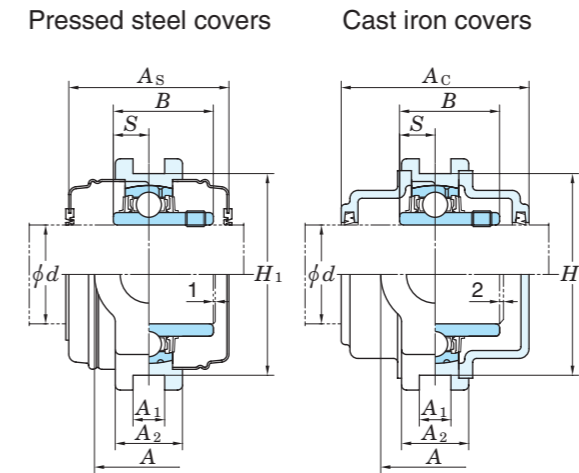
2) For bearings with double- or triple-lip seals, unit and bearing number are suffixed by L2 or L3.
 (UCT206JL3, UC206L3)
 3) For more detailed information, refer to ball bearing for unit specification tables.

**Ball bearing units
take-up type
UCT (with set screws)**
 d 105 ~ 140 mm



Shaft dia. (mm) d	Dimensions (mm)															Unit No.	Housing No.
	A	A ₁	A ₂	H	H ₁	H ₂	L	L ₁	L ₂	L ₃	N	N ₁	N ₂	B	S		
105	120	35	75	290	260	175	345	210	32	200	59	48	115	112	44	UCT321	T321
110	130	38	80	320	285	185	385	235	38	215	65	52	125	117	46	UCT322	T322
120	140	45	90	355	320	210	432	267	42	230	70	60	140	126	51	UCT324	T324
130	150	50	100	385	350	220	465	285	45	240	75	65	150	135	54	UCT326	T326
140	155	50	100	415	380	230	515	315	50	255	80	70	160	145	59	UCT328	T328

[Remarks] 1) Applicable sizes of grease nipples are shown below.
 B-1/4-28UNF..... 201~210, X05~X09, 305~308
 B-PT 1/8..... 211~217, X10~X17, 309~328



Tolerances for housing

housing No.			unit : mm		
			ΔA_{1s}	ΔH_{1s}	X
T204- T210	TX05- TX10	T305- T310	+0.2 0	0 -0.5	0.5
T211- T217	TX11- TX17	T311- T318	+0.3 0	0 -0.8	0.6
		T319- T322			0.7
		T324- T328			0.8

ΔA_{1s} : deviation of nominal raceway groove width.
 ΔH_{1s} : deviation of distance between both groove bottoms.

X : symmetry tolerance of both groove-side face.

No.	Applicable bearing			Unit No. with covers				Cover dimensions (mm)		(Refer.) Unit mass (kg)	
	Basic load ratings (kN)		Factor	Pressed steel covers		Cast iron covers		A _s	A _c	Pressed steel covers	Cast iron covers
	C _r	C _{0r}	f ₀	Open ends	Closed end	Open ends	Closed end				
UC321	184	153	13.2	—	—	UCT321C	UCT321CD	—	178	36.7	42.7
UC322	205	180	13.2	—	—	UCT322C	UCT322CD	—	188	39.7	46.5
UC324	207	185	13.5	—	—	UCT324C	UCT324CD	—	196	54.4	63.9
UC326	229	214	13.6	—	—	UCT326C	UCT326CD	—	214	69.3	81.4
UC328	253	246	13.6	—	—	UCT328C	UCT328CD	—	222	85.1	101

2) For bearings with double- or triple-lip seals, unit and bearing number are suffixed by L2 or L3.
 (UCT206JL3, UC206L3)

3) For more detailed information, refer to ball bearing for unit specification tables.