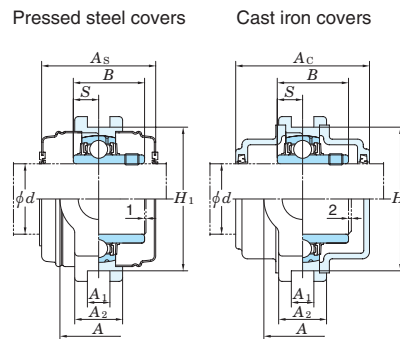
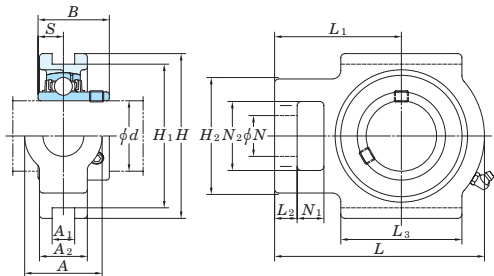


Ball bearing units
take-up type
UCT (with set screws)

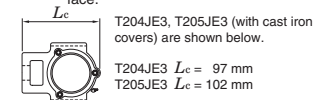
d 12 ~ (55) mm



Tolerances for housing

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.



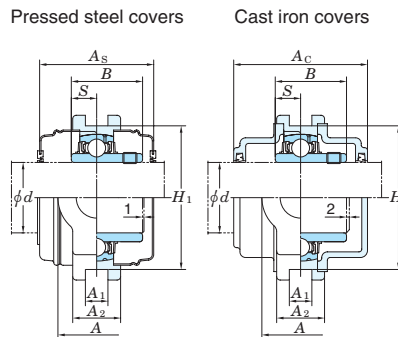
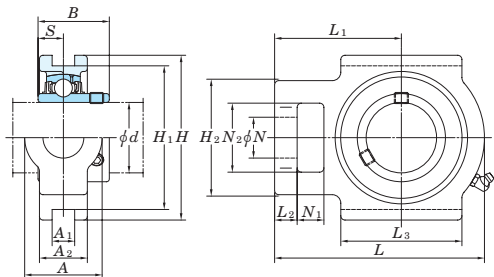
Shaft dia. (mm)	Dimensions (mm)															Unit No.	Housing No.	Applicable bearing			Unit No. with covers				Cover dimensions (mm)		(Refer.) Unit mass (kg)			
	<i>d</i>	A	A ₁	A ₂	H	H ₁	H ₂	L	L ₁	L ₂	L ₃	N	N ₁	N ₂	B			S	No.	Basic load ratings (kN)		Factor <i>f</i> ₀	Pressed steel covers		Cast iron covers		A _s	A _c	Pressed steel covers	Cast iron covers
																				<i>C</i> _r	<i>C</i> _{0r}		Open ends	Closed end	Open ends	Closed end				
12	32	12	21	89	76	51	94	61	10	51	19	16	32	31	12.7	UCT201	T204	UC201	12.8	6.65	13.2	UCT201C	UCT201CD	—	—	44	—	0.81	—	
	15	32	12	21	89	76	51	94	61	10	51	19	16	32	31	12.7	UCT202	T204	UC202	12.8	6.65	13.2	UCT202C	UCT202CD	—	—	44	—	0.79	—
	17	32	12	21	89	76	51	94	61	10	51	19	16	32	31	12.7	UCT203	T204	UC203	12.8	6.65	13.2	UCT203C	UCT203CD	—	—	44	—	0.78	—
20	32	12	21	89	76	51	94	61	10	51	19	16	32	31	12.7	UCT204	T204	UC204	12.8	6.65	13.2	UCT204C	UCT204CD	UCT204FC	UCT204FCD	44	62	0.76	1.1	
	25	32	12	24	89	76	51	97	62	10	51	19	16	32	34.1	14.3	UCT205	T205	UC205	14.0	7.85	13.9	UCT205C	UCT205CD	UCT205FC	UCT205FCD	48	66	0.84	1.2
		37	12	28	102	89	56	113	70	10	57	22	16	37	38.1	15.9	UCTX05	TX05	UCX05	19.5	11.3	13.9	UCTX05C	UCTX05CD	—	—	52	—	1.4	—
36		12	26	89	80	62	122	76	12	65	26	16	36	38	15	UCT305	T305	UC305	21.2	10.9	12.6	—	—	UCT305C	UCT305CD	—	76	1.4	2.0	
30	37	12	28	102	89	56	113	70	10	57	22	16	37	38.1	15.9	UCT206	T206	UC206	19.5	11.3	13.9	UCT206C	UCT206CD	UCT206FC	UCT206FCD	52	70	1.3	1.8	
	37	12	30	102	89	64	129	78	13	64	22	16	37	42.9	17.5	UCTX06	TX06	UCX06	25.7	15.4	13.9	UCTX06C	UCTX06CD	—	—	59	—	1.7	—	
	41	16	28	100	90	70	137	85	14	74	28	18	41	43	17	UCT306	T306	UC306	26.7	15.0	13.3	—	—	UCT306C	UCT306CD	—	82	1.8	2.4	
35	37	12	30	102	89	64	129	78	13	64	22	16	37	42.9	17.5	UCT207	T207	UC207	25.7	15.4	13.9	UCT207C	UCT207CD	UCT207FC	UCT207FCD	59	78	1.6	2.3	
	49	16	36	114	102	83	144	88	15	83	29	19	49	49.2	19	UCTX07	TX07	UCX07	29.1	17.8	14.0	UCTX07C	UCTX07CD	—	—	68	—	2.7	—	
	45	16	32	111	100	75	150	94	15	80	30	20	45	48	19	UCT307	T307	UC307	33.4	19.3	13.2	—	—	UCT307C	UCT307CD	—	88	2.3	3.1	
40	49	16	33	114	102	83	144	88	16	83	29	19	49	49.2	19	UCT208	T208	UC208	29.1	17.8	14.0	UCT208C	UCT208CD	UCT208FC	UCT208FCD	68	86	2.5	3.3	
	49	16	36	117	102	83	144	87	15	83	29	19	49	49.2	19	UCTX08	TX08	UCX08	32.7	20.3	14.0	UCTX08C	UCTX08CD	—	—	68	—	2.6	—	
	50	18	34	124	112	83	162	100	17	89	32	22	50	52	19	UCT308	T308	UC308	40.7	24.0	13.2	—	—	UCT308C	UCT308CD	—	96	3.0	4.0	
45	49	16	35	117	102	83	144	87	16	83	29	19	49	49.2	19	UCT209	T209	UC209	32.7	20.3	14.0	UCT209C	UCT209CD	UCT209FC	UCT209FCD	68	88	2.4	3.2	
	49	16	38	117	102	83	149	90	16	86	29	19	49	51.6	19	UCTX09	TX09	UCX09	35.1	23.3	14.4	UCTX09C	UCTX09CD	—	—	73	—	2.9	—	
	55	18	38	138	125	90	178	110	18	97	34	24	55	57	22	UCT309	T309	UC309	48.9	29.5	13.3	—	—	UCT309C	UCT309CD	—	102	4.1	5.4	
50	49	16	37	117	102	83	149	90	16	86	29	19	49	51.6	19	UCT210	T210	UC210	35.1	23.3	14.4	UCT210C	UCT210CD	UCT210FC	UCT210FCD	73	97	2.6	3.6	
	64	22	42	146	130	102	171	106	19	95	35	25	64	55.6	22.2	UCTX10	TX10	UCX10	43.4	29.4	14.4	UCTX10C	UCTX10CD	—	—	75	—	4.4	—	
	61	20	40	151	140	98	191	117	20	106	37	27	61	61	22	UCT310	T310	UC310	62.0	38.3	13.2	—	—	UCT310C	UCT310CD	—	110	4.9	6.5	
55	64	22	38	146	130	102	171	106	19	95	35	25	64	55.6	22.2	UCT211	T211	UC211	43.4	29.4	14.4	UCT211C	UCT211CD	UCT211FC	UCT211FCD	75	99	4.0	5.2	

[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

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 (55) ~ 100 mm



Tolerances for housing

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.

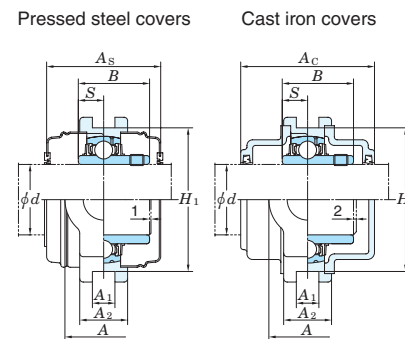
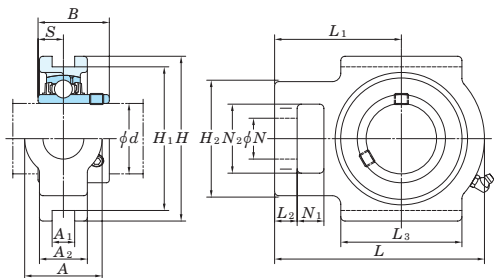
Shaft dia. (mm)	Dimensions (mm)															Unit No.	Housing No.	Applicable bearing			Unit No. with covers				Cover dimensions (mm)		(Refer.) Unit mass (kg)		
	<i>d</i>	A	A ₁	A ₂	H	H ₁	H ₂	L	L ₁	L ₂	L ₃	N	N ₁	N ₂	B			S	No.	Basic load ratings (kN) <i>C_r</i>	<i>C_{0r}</i>	Factor <i>f₀</i>	Pressed steel covers		Cast iron covers		A _s	A _c	Pressed steel covers
55	64	22	44	146	130	102	194	119	19	102	35	32	64	65.1	25.4	UCTX11	TX11	UCX11	52.4	36.2	14.4	UCTX11C	UCTX11CD	—	—	88	—	5.3	—
	66	22	44	163	150	105	207	127	21	115	39	29	66	66	25	UCT311	T311	UC311	71.6	45.0	13.2	—	—	UCT311C	UCT311CD	—	114	6.1	7.9
60	64	22	42	146	130	102	194	119	19	102	35	32	64	65.1	25.4	UCT212	T212	UC212	52.4	36.2	14.4	UCT212C	UCT212CD	UCT212FC	UCT212FCD	88	114	4.9	6.4
	70	26	48	167	151	111	224	137	21	121	41	32	70	65.1	25.4	UCTX12	TX12	UCX12	57.2	40.1	14.4	UCTX12C	UCTX12CD	—	—	88	—	7.4	—
	71	22	46	178	160	113	220	135	23	123	41	31	71	71	26	UCT312	T312	UC312	81.9	52.2	13.2	—	—	UCT312C	UCT312CD	—	124	7.6	9.9
65	70	26	44	167	151	111	224	137	21	121	41	32	70	65.1	25.4	UCT213	T213	UC213	57.2	40.1	14.4	UCT213C	UCT213CD	UCT213FC	UCT213FCD	88	114	6.9	8.6
	70	26	48	167	151	111	224	137	21	121	41	32	70	74.6	30.2	UCTX13	TX13	UCX13	62.2	44.1	14.5	UCTX13C	UCTX13CD	—	—	98	—	7.6	—
	80	26	50	190	170	116	238	146	25	134	43	32	70	75	30	UCT313	T313	UC313	92.7	59.9	13.2	—	—	UCT313C	UCT313CD	—	122	9.3	11.4
70	70	26	46	167	151	111	224	137	21	121	41	32	70	74.6	30.2	UCT214	T214	UC214	62.2	44.1	14.5	UCT214C	UCT214CD	UCT214FC	UCT214FCD	98	124	7.0	8.9
	70	26	48	167	151	111	232	140	21	121	41	32	70	77.8	33.3	UCTX14	TX14	UCX14	67.4	48.3	14.5	UCTX14C	UCTX14CD	—	—	98	—	7.9	—
	90	26	52	202	180	130	252	155	25	140	46	36	85	78	33	UCT314	T314	UC314	104	68.2	13.2	—	—	UCT314C	UCT314CD	—	124	11.1	13.4
75	70	26	48	167	151	111	232	140	21	121	41	32	70	77.8	33.3	UCT215	T215	UC215	67.4	48.3	14.5	UCT215C	UCT215CD	UCT215FC	UCT215FCD	98	124	7.3	9.2
	70	28	48	184	165	111	235	140	21	121	41	32	70	82.6	33.3	UCTX15	TX15	UCX15	72.7	53.0	14.6	UCTX15C	UCTX15CD	—	—	108	—	8.7	—
	90	26	55	216	192	132	262	160	25	150	46	36	85	82	32	UCT315	T315	UC315	113	77.2	13.2	—	—	UCT315C	UCT315CD	—	134	13.0	15.5
80	70	26	51	184	165	111	235	140	21	121	41	32	70	82.6	33.3	UCT216	T216	UC216	72.7	53.0	14.6	UCT216C	UCT216CD	UCT216FC	UCT216FCD	108	138	8.2	10.6
	73	28	54	198	173	124	260	162	28	157	48	38	73	85.7	34.1	UCTX16	TX16	UCX16	84.0	61.9	14.5	UCTX16C	UCTX16CD	—	—	112	—	11.7	—
	102	30	60	230	204	150	282	174	28	160	53	42	98	86	34	UCT316	T316	UC316	123	86.7	13.3	—	—	UCT316C	UCT316CD	—	138	16.2	19.1
85	73	30	54	198	173	124	260	162	29	157	48	38	73	85.7	34.1	UCT217	T217	UC217	84.0	61.9	14.5	UCT217C	UCT217CD	UCT217FC	UCT217FCD	112	142	11.0	13.7
	73	28	54	198	173	124	260	162	28	157	48	38	73	96	39.7	UCTX17	TX17	UCX17	96.1	71.5	14.5	UCTX17C	UCTX17CD	—	—	122	—	11.7	—
	102	32	64	240	214	152	298	183	30	170	53	42	98	96	40	UCT317	T317	UC317	133	96.8	13.3	—	—	UCT317C	UCT317CD	—	146	19.0	22.3
90	110	32	66	255	228	160	312	192	30	175	57	46	106	96	40	UCT318	T318	UC318	143	107	13.3	—	—	UCT318C	UCT318CD	—	150	21.6	25.4
95	110	35	72	270	240	165	322	197	31	180	57	46	106	103	41	UCT319	T319	UC319	153	119	13.3	—	—	UCT319C	UCT319CD	—	162	24.9	29.2
100	120	35	75	290	260	175	345	210	32	200	59	48	115	108	42	UCT320	T320	UC320	173	141	13.2	—	—	UCT320C	UCT320CD	—	174	30.7	36.3

(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

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



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.

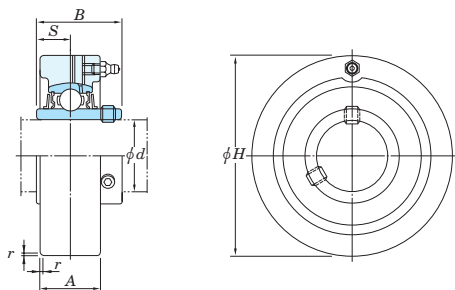
Shaft dia. (mm) <i>d</i>	Dimensions (mm)															Unit No.	Housing No.	Applicable bearing			Unit No. with covers				Cover dimensions (mm)		Unit mass (kg)			
	A	A ₁	A ₂	H	H ₁	H ₂	L	L ₁	L ₂	L ₃	N	N ₁	N ₂	B	S			No.	Basic load ratings (kN) <i>C_r</i>	<i>C_{0r}</i>	Factor <i>f₀</i>	Pressed steel covers		Cast iron covers		A _s	A _c	Pressed steel covers	Cast iron covers	
	Open ends	Closed end	Open ends	Closed end																										
105	120	35	75	290	260	175	345	210	32	200	59	48	115	112	44	UCT321	T321		UC321	184	153	13.2	—	—	UCT321C	UCT321CD	—	178	36.7	42.7
110	130	38	80	320	285	185	385	235	38	215	65	52	125	117	46	UCT322	T322		UC322	205	180	13.2	—	—	UCT322C	UCT322CD	—	188	39.7	46.5
120	140	45	90	355	320	210	432	267	42	230	70	60	140	126	51	UCT324	T324		UC324	207	185	13.5	—	—	UCT324C	UCT324CD	—	196	54.4	63.9
130	150	50	100	385	350	220	465	285	45	240	75	65	150	135	54	UCT326	T326		UC326	229	214	13.6	—	—	UCT326C	UCT326CD	—	214	69.3	81.4
140	155	50	100	415	380	230	515	315	50	255	80	70	160	145	59	UCT328	T328		UC328	253	246	13.6	—	—	UCT328C	UCT328CD	—	222	85.1	101

[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

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
cartridge type
UCC (with set screws)**

d 12 ~ 50 mm



Shaft dia. (mm) <i>d</i>	Dimensions (mm)					Unit No.	Housing No.	No.	Applicable bearing		Factor <i>f</i> ₀	(Refer.) Unit mass (kg)		
	<i>H</i>	<i>A</i>	<i>r</i>	<i>B</i>	<i>S</i>				<i>C</i> _r	<i>C</i> _{0r}				
12	72	20	1.5	31	12.7	UCC201	C204	UC201	12.8	6.65	13.2	0.52		
	15	72	20	1.5	31	12.7	UCC202	C204	UC202	12.8	6.65	13.2	0.50	
		17	72	20	1.5	31	12.7	UCC203	C204	UC203	12.8	6.65	13.2	0.49
			20	72	20	1.5	31	12.7	UCC204	C204	UC204	12.8	6.65	13.2
25	80	22	1.5	34.1	14.3	UCC205	C205	UC205	14.0	7.85	13.9	0.64		
	90	27	1.5	38.1	15.9	UCCX05	CX05	UCX05	19.5	11.3	13.9	1.0		
	90	26	2	38	15	UCC305	C305	UC305	21.2	10.9	12.6	1.5		
30	85	27	1.5	38.1	15.9	UCC206	C206	UC206	19.5	11.3	13.9	0.81		
	100	30	2	42.9	17.5	UCCX06	CX06	UCX06	25.7	15.4	13.9	1.3		
	100	28	2	43	17	UCC306	C306	UC306	26.7	15.0	13.3	1.7		
35	90	28	2	42.9	17.5	UCC207	C207	UC207	25.7	15.4	13.9	0.93		
	110	34	2	49.2	19	UCCX07	CX07	UCX07	29.1	17.8	14.0	1.7		
	110	32	3	48	19	UCC307	C307	UC307	33.4	19.3	13.2	2.2		
40	100	30	2	49.2	19	UCC208	C208	UC208	29.1	17.8	14.0	1.2		
	120	38	2	49.2	19	UCCX08	CX08	UCX08	32.7	20.3	14.0	2.3		
	120	34	3	52	19	UCC308	C308	UC308	40.7	24.0	13.2	2.2		
45	110	31	2	49.2	19	UCC209	C209	UC209	32.7	20.3	14.0	1.5		
	120	38	2	51.6	19	UCCX09	CX09	UCX09	35.1	23.3	14.4	2.3		
	130	38	3	57	22	UCC309	C309	UC309	48.9	29.5	13.3	2.8		
50	120	33	2	51.6	19	UCC210	C210	UC210	35.1	23.3	14.4	2.0		
	130	40	2.5	55.6	22.2	UCCX10	CX10	UCX10	43.4	29.4	14.4	2.8		
	140	40	3	61	22	UCC310	C310	UC310	62.0	38.3	13.2	3.2		

- [Remarks] 1) Applicable sizes of grease nipples are shown below.
A-1/4-28UNF 201~213, X05~X12, 305~308
A-PT 1/8 309~328
2) For bearings with double- or triple-lip seals, unit and bearing number are suffixed by L2 or L3.
(UCC206JL3, UC206L3)
3) For more detailed information, refer to ball bearing for unit specification tables.

d 55 ~ 130 mm

Tolerances for housing

unit : mm

housing No.	ΔH_s	ΔA_s	Y
C204- C205	0 -0.030	±0.2	0.2
C206- C210	0 -0.035		
CX09- CX10	0 -0.040	±0.3	0.3
CX05- CX08	0 -0.035		
C309- C310	0 -0.046		
C311- C314	0 -0.046		
C211- C213	0 -0.052	±0.4	0.4
C315- C318	0 -0.052		
C319	0 -0.057		
C320- C322	0 -0.057		
C324- C326	0 -0.057		

ΔH_s : deviation of outside diameter.
 ΔA_s : deviation of width.
Y : circumferential runout tolerances of outside diameter in respect to shaft straight line of spherical bearing seating.

Shaft dia. (mm) <i>d</i>	Dimensions (mm)					Unit No.	Housing No.	No.	Applicable bearing		Factor <i>f</i> ₀	(Refer.) Unit mass (kg)
	<i>H</i>	<i>A</i>	<i>r</i>	<i>B</i>	<i>S</i>				<i>C</i> _r	<i>C</i> _{0r}		
55	125	35	2.5	55.6	22.2	UCC211	C211	UC211	43.4	29.4	14.4	2.2
	150	42	2.5	65.1	25.4	UCCX11	CX11	UCX11	52.4	36.2	14.4	4.0
	150	44	3	66	25	UCC311	C311	UC311	71.6	45.0	13.2	3.9
60	130	38	2.5	65.1	25.4	UCC212	C212	UC212	52.4	36.2	14.4	2.6
	160	44	2.5	65.1	25.4	UCCX12	CX12	UCX12	57.2	40.1	14.4	4.6
	160	46	3	71	26	UCC312	C312	UC312	81.9	52.2	13.2	4.8
65	140	40	2.5	65.1	25.4	UCC213	C213	UC213	57.2	40.1	14.4	3.0
	170	50	3	75	30	UCC313	C313	UC313	92.7	59.9	13.2	5.7
70	180	52	3	78	33	UCC314	C314	UC314	104	68.2	13.2	6.7
75	190	55	4	82	32	UCC315	C315	UC315	113	77.2	13.2	7.8
80	200	60	4	86	34	UCC316	C316	UC316	123	86.7	13.3	9.2
85	215	64	4	96	40	UCC317	C317	UC317	133	96.8	13.3	11.7
90	225	66	4	96	40	UCC318	C318	UC318	143	107	13.3	13.1
95	240	72	4	103	41	UCC319	C319	UC319	153	119	13.3	15.8
100	260	75	4	108	42	UCC320	C320	UC320	173	141	13.2	19.6
105	260	75	4	112	44	UCC321	C321	UC321	184	153	13.2	27.0
110	300	80	5	117	46	UCC322	C322	UC322	205	180	13.2	29.2
120	320	90	5	126	51	UCC324	C324	UC324	207	185	13.5	35.9
130	340	100	6	135	54	UCC326	C326	UC326	229	214	13.6	43.0