

Remarks 1. In Part No. of unit and units with covers, fitting codes follow bore diameter numbers. (See **Table 10.5** in P.62.)
2. Part No. of applicable grease fittings are shown below.
B-1/4-28UNF 201~210, X05~X09, 305~308
B-R1/8 211~217, X10~X17, 309~328

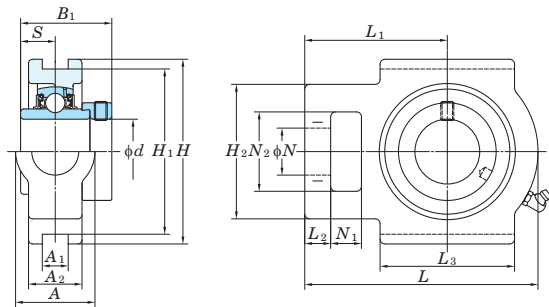
Housing No.			Δ_{A1s}	Δ_{H1s}	X
T204~T210	TX05~TX10	T305~T310	+0.2 0	0 -0.5	0.5
T211~T217	TX11~TX17	T311~T318	+0.3 0	0 -0.8	0.6
		T319~T322			0.7
		T324~T328			0.8

L_c

T204FJE3 $L_c = 97 \text{ mm}$
T205FJE3 $L_c = 102 \text{ mm}$

3. As for the triple seal type product (from 201 to 205 are the double seal type products), suffix code L3 (L2) follows the Part No. of unit or bearing.
(Example of Part No. : UCT206JL3, UC206L3)
4. As for the dimensions and forms of applicable bearings, see the dimensional tables of ball bearing for unit.
5. Housings of nodular graphite cast iron are also available.

NAT-E
Cylindrical bore
(with eccentric locking collar)
d 12 ~ 75 mm



Shaft Dia. mm inch		Dimensions inch mm															Unit No.		Housing No.	Bearing No.	Mass kg
<i>d</i>		<i>A</i>	<i>A</i> ₁	<i>A</i> ₂	<i>H</i>	<i>H</i> ₁	<i>H</i> ₂	<i>L</i>	<i>L</i> ₁	<i>L</i> ₂	<i>L</i> ₃	<i>N</i>	<i>N</i> ₁	<i>N</i> ₂	<i>B</i> ₁	<i>S</i>					
12	1/2																NAT201E NAT201-8E NAT202E NAT202-10E NAT203E NAT204-12E NAT204E		T204E	NA201 NA201-8 NA202 NA202-10 NA203 NA204-12 NA204	0.83 0.81 0.8 0.84
15	5/8	1 1/4	17/32	13/16	3 1/2	3	2	3 11/16	2 13/32	13/32	2	3/4	5/8	1 1/4	1.720	0.673					
17	3/4	32	13.5	21	89	76.2	51	94	61	10	51	19	16	32	43.7	17.1					
20																	NAT205-14E NAT205-15E NAT205E NAT205-16E NAT206-18E		T205E	NA205-14 NA205-15 NA205 NA205-16 NA206-18	0.89 1.39
25	7/8	1 1/4	17/32	15/16	3 1/2	3	2	3 13/16	2 7/16	13/32	2	3/4	5/8	1 1/4	1.748	0.689					
	15/16	32	13.5	24	89	76.2	51	97	62	10	51	19	16	32	44.4	17.5					
	1																NAT206-19E NAT206-20E NAT207-20E NAT207-21E NAT207-22E NAT207E NAT207-23E		T206E	NA206-19 NA206-20 NA207-20 NA207-21 NA207-22 NA207 NA207-23	1.73
30	1 1/8	1 15/32	17/32	1 3/32	4 1/32	3 1/2	2 7/32	4 7/16	2 3/4	13/32	2 1/4	7/8	5/8	1 15/32	1.906	0.720					
	1 3/16	37	13.5	28	102	88.9	56	113	70	10	57	22	16	37	48.4	18.3					
	1 1/4																NAT208-24E NAT208-25E NAT208E		T207E	NA208-24 NA208-25 NA208	2.74
35	1 1/4	1 15/32	17/32	1 3/16	4 1/32	3 1/2	2 17/32	5 3/32	3 1/16	1/2	2 17/32	7/8	5/8	1 15/32	2.012	0.740					
	1 5/16	37	13.5	30	102	88.9	64	129	78	13	64	22	16	37	51.1	18.8					
	1 3/8																NAT209-26E NAT209-27E NAT209-28E NAT209E		T208E	NA209-26 NA209-27 NA209-28 NA209	2.57
	1 7/16																NAT210-30E NAT210-31E NAT210E NAT210-32E		T209E	NA210-30 NA210-31 NA210 NA210-32	2.81
40	1 1/2	1 15/16	11/16	1 5/16	4 1/2	4	3 9/32	5 21/32	3 15/32	5/8	3 9/32	1 5/32	3/4	1 15/16	2.217	0.843					
	1 9/16	49	17.5	33	114	101.6	83	144	88	16	83	29	19	49	56.3	21.4					
45	1 5/8	1 15/16	11/16	1 3/8	4 19/32	4	3 9/32	5 21/32	3 7/16	5/8	3 9/32	1 5/32	3/4	1 15/16	2.217	0.843					
	1 11/16	49	17.5	35	117	101.6	83	144	87	16	83	29	19	49	56.3	21.4					
	1 3/4																NAT211-32E NAT211-34E NAT211E NAT211-35E NAT212-36E		T210E	NA211-32 NA211-34 NA211 NA211-35 NA212-36	4.28
50	1 7/8	1 15/16	11/16	1 15/32	4 19/32	4	3 9/32	5 7/8	3 17/32	5/8	3 3/8	1 5/32	3/4	1 15/16	2.469	0.969					
	1 15/16	49	17.5	37	117	101.6	83	149	90	16	86	29	19	49	62.7	24.6					
	2																NAT212-38E NAT212-39E NAT213E NAT214-44E		T211E	NA212-38 NA212-39 NA213 NA214-44	5.23
55	2	2 17/32	1 1/16	1 1/2	5 3/4	5 1/8	4 1/32	6 23/32	4 3/16	3/4	3 3/4	1 3/8	31/32	2 17/32	2.811	1.094					
	2 1/8	64	27	38	146	130.17	102	171	106	19	95	35	25	64	71.4	27.8					
	2 3/16																NAT213-40E NAT214E NAT215-47E NAT215E		T212E	NA213-40 NA214 NA215-47 NA215	7.49
	2 1/4																NAT214-44E NAT214E NAT215-47E NAT215E		T213E	NA214-44 NA214 NA215-47 NA215	7.87
60	2 3/8	2 17/32	1 1/16	1 21/32	5 3/4	5 1/8	4 1/32	7 5/8	4 11/16	3/4	4 1/32	1 3/8	1 1/4	2 17/32	3.063	1.220					
	2 7/16	64	27	42	146	130.17	102	194	119	19	102	35	32	64	77.8	31					
65	2 1/2	2 3/4	1 1/16	1 23/32	6 9/16	5 15/16	4 3/8	8 13/16	5 13/32	13/16	4 3/4	1 5/8	1 1/4	2 3/4	3.374	1.343					
		70	27	44	167	150.8	111	224	137	21	121	41	32	70	85.7	34.1					
70	2 3/4	2 3/4	1 1/16	1 13/16	6 9/16	5 15/16	4 3/8	8 13/16	5 13/32	13/16	4 3/4	1 5/8	1 1/4	2 3/4	3.374	1.343					
		70	27	46	167	150.8	111	224	137	21	121	41	32	70	85.7	34.1					
75	2 5/8	2 3/4	1 1/16	1 7/8	6 9/16	5 15/16	4 3/8	9 1/8	5 1/2	13/16	4 3/4	1 5/8	1 1/4	2 3/4	3.626	1.469					
		70	27	48	167	150.8	111	232	140	21	121	41	32	70	92.1	37.3					

Remarks

1. In Part No. of unit, fitting codes follow bore diameter codes. (See **Table 10.5** in P.62.)

2. Part No. of applicable grease fittings are shown below.
B-1/4-28UNF 204~210
B-R1/8 211~215

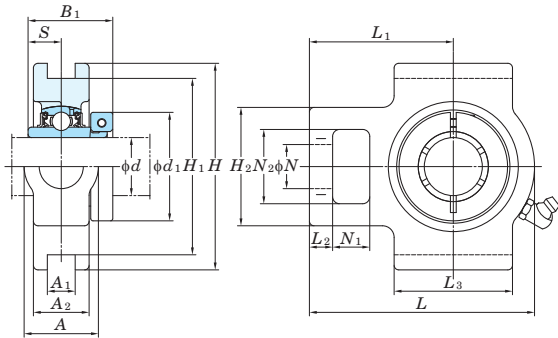
3. For the dimensions and forms of applicable bearings, see the dimensional tables of ball bearing for unit.

4. Representative examples of the forms of housing are indicated.

Variations of tolerance of groove width (ΔA_{1s}), variations of tolerance of distance between both grooves (ΔH_{1s}), and tolerance of symmetry of both groove sides (X)

Housing No.	Unit: mm		
	ΔA_{1s}	ΔH_{1s}	X
T204E~T210E	+0.2 0	0 -0.5	0.5
T211E~T215E	+0.3 0	0 -0.8	0.6

NCT
Cylindrical bore
(with concentric locking collar)
d 20 ~ 60 mm



Shaft Dia. mm inch		Dimensions inch mm																		Unit No.	Housing No.	Bearing No.	Mass
<i>d</i>		<i>A</i>	<i>A</i> ₁	<i>A</i> ₂	<i>H</i>	<i>H</i> ₁	<i>H</i> ₂	<i>L</i>	<i>L</i> ₁	<i>L</i> ₂	<i>L</i> ₃	<i>N</i>	<i>N</i> ₁	<i>N</i> ₂	<i>B</i> ₁	<i>S</i>	<i>d</i> ₁				kg		
20	3/4	1 1/4 32	15/32 12	13/16 21	3 1/2 89	2 63/64 76	2 51	3 11/16 94	2 13/32 61	13/32 10	2 51	3/4 19	5/8 16	1 1/4 32	1 9/32 32.5	0.500 12.7	1 3/4 44.5	NCT204-12 NCT204	T204	NC204-12 NC204	0.9		
	7/8 15/16 1	1 1/4 32	15/32 12	15/16 24	3 1/2 89	2 63/64 76	2 51	3 13/16 97	2 7/16 62	13/32 10	2 51	3/4 19	5/8 16	1 1/4 32	1 7/16 36.5	0.563 14.3	1 15/16 49.2	NCT205-14 NCT205-15 NCT205 NCT205-16	T205	NC205-14 NC205-15 NC205 NC205-16	1.0		
30	1 1/8 1 3/16 1 1/4	1 15/32 37	15/32 12	1 3/32 28	4 1/32 102	3 1/2 89	2 7/32 56	4 7/16 113	2 3/4 70	13/32 10	2 1/4 57	7/8 22	5/8 16	1 15/32 37	1 19/32 40.1	0.626 15.9	2 3/16 55.6	NCT206-18 NCT206 NCT206-19 NCT206-20	T206	NC206-18 NC206 NC206-19 NC206-20	1.5		
	1 1/4	1 15/32 37	15/32 12	1 3/16 30	4 1/32 102	3 1/2 89	2 17/32 64	5 3/32 129	3 1/16 78	1/2 13	2 17/32 64	7/8 22	5/8 16	1 15/32 37	1 3/4 44.5	0.689 17.5	2 7/16 61.9	NCT207-20	T207	NC207-20	1.9		
35	1 3/8 1 7/16	1 15/32 37	15/32 12	1 3/16 30	4 1/32 102	3 1/2 89	2 17/32 64	5 3/32 129	3 1/16 78	1/2 13	2 17/32 64	7/8 22	5/8 16	1 15/32 37	1 3/4 44.5	0.689 17.5	2 9/16 65.1	NCT207-22 NCT207 NCT207-23	T207	NC207-22 NC207 NC207-23	1.9		
	1 1/2	1 15/16 49	5/8 16	1 5/16 33	4 1/2 114	4 1/64 102	3 9/32 83	5 21/32 144	3 15/32 88	5/8 16	3 9/32 83	1 5/32 29	3/4 19	1 15/16 49	2 50.8	0.748 19	2 11/16 68.3	NCT208-24 NCT208	T208	NC208-24 NC208	2.9		
45	1 5/8 1 11/16 1 3/4	1 15/16 49	5/8 16	1 3/8 35	4 19/32 117	4 1/64 102	3 9/32 83	5 21/32 144	3 7/16 87	5/8 16	3 9/32 83	1 5/32 29	3/4 19	1 15/16 49	2 50.8	0.748 19	2 13/16 71.4	NCT209-26	T209	NC209-26	2.8		
	1 11/16 1 3/4	1 15/16 49	5/8 16	1 3/8 35	4 19/32 117	4 1/64 102	3 9/32 83	5 21/32 144	3 7/16 87	5/8 16	3 9/32 83	1 5/32 29	3/4 19	1 15/16 49	2 50.8	0.748 19	2 15/16 74.6	NCT209-27 NCT209-28 NCT209	T209	NC209-27 NC209-28 NC209	2.8		
50	1 15/16 2	1 15/16 49	5/8 16	1 15/32 37	4 19/32 117	4 1/64 102	3 9/32 83	5 7/8 149	3 17/32 90	5/8 16	3 3/8 86	1 5/32 29	3/4 19	1 15/16 49	2 3/32 53.1	0.748 19	3 3/8 85.7	NCT210-31 NCT210 NCT210-32	T210	NC210-31 NC210 NC210-32	3.2		
	2	2 17/32 64	55/64 22	1 1/2 38	5 3/4 146	5 1/8 130	4 1/32 102	6 23/32 171	4 3/16 106	3/4 19	3 3/4 95	1 3/8 35	31/32 25	2 17/32 64	2 1/4 57.1	0.874 22.2	3 1/2 88.9	NCT211-32	T211	NC211-32	4.4		
55	2 3/16	2 17/32 64	55/64 22	1 1/2 38	5 3/4 146	5 1/8 130	4 1/32 102	6 23/32 171	4 3/16 106	3/4 19	3 3/4 95	1 3/8 35	31/32 25	2 17/32 64	2 1/4 57.1	0.874 22.2	3 5/8 92.1	NCT211 NCT211-35	T211	NC211 NC211-35	4.4		
	2 1/4	2 17/32 64	55/64 22	1 21/32 42	5 3/4 146	5 1/8 130	4 1/32 102	7 5/8 194	4 11/16 119	3/4 19	4 1/32 102	1 3/8 35	1 1/4 32	2 17/32 64	2 5/8 66.8	1.000 25.4	4 1/16 103.2	NCT212-36	T212	NC212-36	5.6		
60	2 7/16	2 17/32 64	55/64 22	1 21/32 42	5 3/4 146	5 1/8 130	4 1/32 102	7 5/8 194	4 11/16 119	3/4 19	4 1/32 102	1 3/8 35	1 1/4 32	2 17/32 64	2 5/8 66.8	1.000 25.4	4 1/8 104.8	NCT212 NCT212-39	T212	NC212 NC212-39	5.6		

Remarks

1. In Part No. of unit, fitting codes follow bore diameter codes. (See **Table 10.5** in P.62.)

2. Part No. of applicable grease fittings are shown below.
B-1/4-28UNF 204~210
B-R1/8 211~212

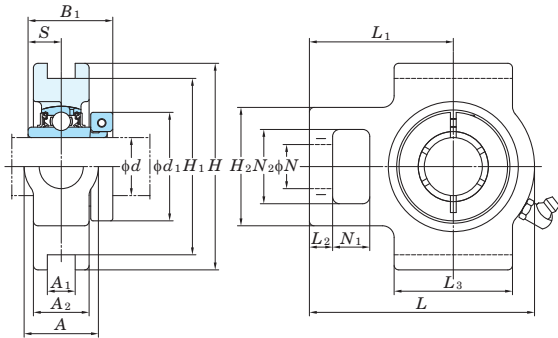
3. For the dimensions and forms of applicable bearings, see the dimensional tables of ball bearing for unit.

4. Representative examples of the forms of housing are indicated.

Variations of tolerance of groove width (ΔA_{1s}), variations of tolerance of distance between both grooves (ΔH_{1s}), and tolerance of symmetry of both groove sides (X)

Housing No.	Unit: mm		
	ΔA_{1s}	ΔH_{1s}	X
T204~T210	+0.2 0	0 -0.5	0.5
T211~T212	+0.3 0	0 -0.8	0.6

NCT-E
Cylindrical bore
(with concentric locking collar)
d 20 ~ 60 mm



Shaft Dia. mm inch		Dimensions inch mm																		Unit No.	Housing No.	Bearing No.	Mass
<i>d</i>		<i>A</i>	<i>A</i> ₁	<i>A</i> ₂	<i>H</i>	<i>H</i> ₁	<i>H</i> ₂	<i>L</i>	<i>L</i> ₁	<i>L</i> ₂	<i>L</i> ₃	<i>N</i>	<i>N</i> ₁	<i>N</i> ₂	<i>B</i> ₁	<i>S</i>	<i>d</i> ₁				kg		
20	3/4	1 1/4 32	17/32 13.5	13/16 21	3 1/2 89	3 76.2	2 51	3 11/16 94	2 13/32 61	13/32 10	2 51	3/4 19	5/8 16	1 1/4 32	1 9/32 32.5	0.500 12.7	1 3/4 44.5		NCT204-12E NCT204E	T204E	NC204-12 NC204	0.9	
	7/8 15/16 1	1 1/4 32	17/32 13.5	15/16 24	3 1/2 89	3 76.2	2 51	3 13/16 97	2 7/16 62	13/32 10	2 51	3/4 19	5/8 16	1 1/4 32	1 7/16 36.5	0.563 14.3	1 15/16 49.2		NCT205-14E NCT205-15E NCT205E NCT205-16E	T205E	NC205-14 NC205-15 NC205 NC205-16	1.0	
30	1 1/8	1 15/32 37	17/32 13.5	1 3/32 28	4 1/32 102	3 1/2 88.9	2 7/32 56	4 7/16 113	2 3/4 70	13/32 10	2 1/4 57	7/8 22	5/8 16	1 15/32 37	1 19/32 40.1	0.626 15.9	2 3/16 55.6		NCT206-18E NCT206E NCT206-19E NCT206-20E	T206E	NC206-18 NC206 NC206-19 NC206-20	1.5	
	1 3/16																						
	1 1/4																						
35	1 1/4	1 15/32 37	17/32 13.5	1 3/16 30	4 1/32 102	3 1/2 88.9	2 17/32 64	5 3/32 129	3 1/16 78	1/2 13	2 17/32 64	7/8 22	5/8 16	1 15/32 37	1 3/4 44.5	0.689 17.5	2 7/16 61.9		NCT207-20E	T207E	NC207-20	1.9	
	1 3/8	1 15/32 37	17/32 13.5	1 3/16 30	4 1/32 102	3 1/2 88.9	2 17/32 64	5 3/32 129	3 1/16 78	1/2 13	2 17/32 64	7/8 22	5/8 16	1 15/32 37	1 3/4 44.5	0.689 17.5	2 9/16 65.1		NCT207-22E NCT207E NCT207-23E	T207E	NC207-22 NC207 NC207-23	1.9	
	1 7/16																						
40	1 1/2	1 15/16 49	11/16 17.5	1 5/16 33	4 1/2 114	4 101.6	3 9/32 83	5 21/32 144	3 15/32 88	5/8 16	3 9/32 83	1 5/32 29	3/4 19	1 15/16 49	2 50.8	0.748 19	2 11/16 68.3		NCT208-24E NCT208E	T208E	NC208-24 NC208	2.9	
	5/8	1 15/16 49	11/16 17.5	1 3/8 35	4 19/32 117	4 101.6	3 9/32 83	5 21/32 144	3 7/16 87	5/8 16	3 9/32 83	1 5/32 29	3/4 19	1 15/16 49	2 50.8	0.748 19	2 13/16 71.4		NCT209-26E	T209E	NC209-26	2.8	
45	1 11/16	1 15/16 49	11/16 17.5	1 3/8 35	4 19/32 117	4 101.6	3 9/32 83	5 21/32 144	3 7/16 87	5/8 16	3 9/32 83	1 5/32 29	3/4 19	1 15/16 49	2 50.8	0.748 19	2 15/16 74.6		NCT209-27E NCT209-28E NCT209E	T209E	NC209-27 NC209-28 NC209	2.8	
	1 3/4																						
50	1 15/16	1 15/16 49	11/16 17.5	1 15/32 37	4 19/32 117	4 101.6	3 9/32 83	5 7/8 149	3 17/32 90	5/8 16	3 3/8 86	1 5/32 29	3/4 19	1 15/16 49	2 3/32 53.1	0.748 19	3 3/8 85.7		NCT210-31E NCT210E NCT210-32E	T210E	NC210-31 NC210 NC210-32	3.2	
	2																						
55	2	2 17/32 64	1 1/16 27	1 1/2 38	5 3/4 146	5 1/8 130.17	4 1/32 102	6 23/32 171	4 3/16 106	3/4 19	3 3/4 95	1 3/8 35	31/32 25	2 17/32 64	2 1/4 57.1	0.874 22.2	3 1/2 88.9		NCT211-32E	T211E	NC211-32	4.4	
	2 1/16	2 17/32 64	1 1/16 27	1 1/2 38	5 3/4 146	5 1/8 130.17	4 1/32 102	6 23/32 171	4 3/16 106	3/4 19	3 3/4 95	1 3/8 35	31/32 25	2 17/32 64	2 1/4 57.1	0.874 22.2	3 5/8 92.1		NCT211E NCT211-35E	T211E	NC211 NC211-35	4.4	
	2 3/16																						
60	2 1/4	2 17/32 64	1 1/16 27	1 21/32 42	5 3/4 146	5 1/8 130.17	4 1/32 102	7 5/8 194	4 11/16 119	3/4 19	4 1/32 102	1 3/8 35	1 1/4 32	2 17/32 64	2 5/8 66.8	1.000 25.4	4 1/16 103.2		NCT212-36E	T212E	NC212-36	5.6	
	2 1/2	2 17/32 64	1 1/16 27	1 21/32 42	5 3/4 146	5 1/8 130.17	4 1/32 102	7 5/8 194	4 11/16 119	3/4 19	4 1/32 102	1 3/8 35	1 1/4 32	2 17/32 64	2 5/8 66.8	1.000 25.4	4 1/8 104.8		NCT212E NCT212-39E	T212E	NC212 NC212-39	5.6	
	2 7/16																						

Remarks

1. In Part No. of unit, fitting codes follow bore diameter codes. (See **Table 10.5** in P.62.)

2. Part No. of applicable grease fittings are shown below.
B-1/4-28UNF 204~210
B-R1/8 211~212

3. For the dimensions and forms of applicable bearings, see the dimensional tables of ball bearing for unit.

4. Representative examples of the forms of housing are indicated.

Variations of tolerance of groove width (ΔA_{1s}), variations of tolerance of distance between both grooves (ΔH_{1s}), and tolerance of symmetry of both groove sides (X)

Housing No.	Unit: mm		
	ΔA_{1s}	ΔH_{1s}	<i>X</i>
T204E~T210E	+0.2 0	0 -0.5	0.5
T211E~T212E	+0.3 0	0 -0.8	0.6