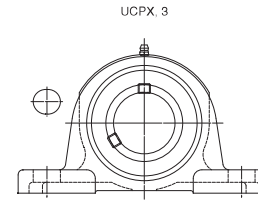
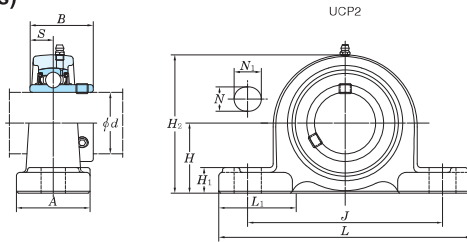
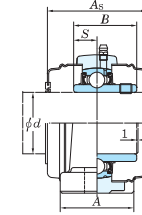


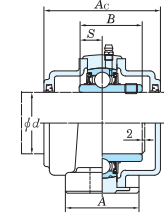
UCP
Cylindrical bore (with set screws)
d 12 ~ (45) mm



With Pressed Steel Covers



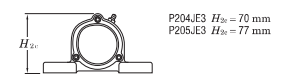
With Cast Iron Covers



Variations of tolerance of distance from mounting bottom to center of spherical bore (L_{20})

Housing No.	Unit	mm
P203~P210	PX05~PX10	P305~P310
P211~P218	PX11~PX18	P311~P318
PX20	P319~P328	
		± 0.15
		± 0.2
		± 0.3

Forms and dimensions of H_{20} of P204JE3 and P205JE3 (housing with cast iron covers) are shown below.



Shaft Dia. mm inch		Dimensions inch mm											Bolt Size inch mm	Standard			Mass	Basic		Fatigue Load Limit kN	Factor	With Pressed Steel Covers				With Cast Iron Covers			
		Unit No.	Housing No.	Bearing No.	Open Ends Type	Closed End Type	Dimension mm inch	Mass kg	Unit No.	Open Ends Type	Closed End Type	Dimension mm inch		Mass kg															
<i>d</i>	<i>H</i>												<i>L</i>		<i>A</i>	<i>J</i>	<i>N</i>	<i>N</i> ₁	<i>H</i> ₁	<i>H</i> ₂	<i>L</i> ₁	<i>B</i>	<i>S</i>	UCP201 UCP201-8 UCP202 UCP202-10 UCP203	P203	UC201 UC201-8 UC202 UC202-10 UC203	0.63 0.63 0.61 0.61 0.60	12.8	6.65
12	1/2 5/8												UCP201 UCP201-8 UCP202 UCP202-10 UCP203	P203	UC201 UC201-8 UC202 UC202-10 UC203	0.63 0.63 0.61 0.61 0.60	12.8	6.65	0.302	13.2	UCP201C — UCP202C — UCP203C	UCP201CD — UCP202CD — UCP203CD	45 1 25/32 — 45 1 25/32 — 45 1 25/32	0.63 — 0.61 — 0.60	— — — — —	— — — — —	— — — — —	— — — — —	
15		1 3/16	5	1 1/2	3 3/4	1/2	23/32	5/8	2 3/8	1 13/32	1.220	0.500	3/8 M10	UCP204-12 UCP204	P204	UC204-12 UC204	0.66 0.66	12.8	6.65	0.302	13.2	UCP204C — UCP204C	UCP204CD — UCP204CD	45 1 25/32 — 45 1 25/32	0.66 — 0.66	UCP204FC — UCP204FC	UCP204FCD — UCP204FCD	62 2 7/16	0.96
17		3/4	1 5/16	5	1 1/2	3 3/4	1/2	23/32	5/8	2 9/16	1 13/32	1.220	0.500	3/8 M10	UCP205-14 UCP205-15 UCP205 UCP205-16	P205	UC205-14 UC205-15 UC205 UC205-16	0.80 0.80 0.80 0.80	14.0	7.85	0.357	13.9	UCP205C — UCP205C	UCP205CD — UCP205CD	49 1 15/16 — 49 1 15/16	0.80 — 0.80	UCP205FC — UCP205FC	UCP205FCD — UCP205FCD	66 2 19/32
20	7/8 1 15/16	1 7/16	5 1/2	1 1/2	4 1/8	1/2	23/32	5/8	2 3/4	1 1/2	1.343	0.563	3/8 M10	UCPX05 UCPX05-16	PX05	UCX05 UCX05-16	1.5 1.5	19.5	11.3	0.514	13.9	UCPX05C — UCPX05C	UCPX05CD — UCPX05CD	53 2 3/32 — 53 2 3/32	1.5 — 1.5	— — —	— — —	— — —	— — —
25	1	1 3/4	6 1/4	2	4 11/16	21/32	31/32	5/8	3 3/8	1 21/32	1.500	0.626	1/2 M14	UCP305 UCP305-16	P305	UC305 UC305-16	1.7 1.7	21.2	10.9	0.495	12.6	— — — —	— — — —	— — — —	— — — —	UCP305C — UCP305C	UCP305CD — UCP305CD	76 3	2.3
	1	1 49/64	6 7/8	1 3/4	5 3/16	21/32	29/32	5/8	3 11/32	2 5/32	1.496	0.591	1/2 M14	UCP206-18 UCP206 UCP206-19 UCP206-20	P206	UC206-18 UC206 UC206-19 UC206-20	1.3 1.3 1.3 1.3	19.5	11.3	0.514	13.9	UCP206C — UCP206C —	UCP206CD — UCP206CD —	53 2 3/32 — 53 2 3/32 —	1.3 — 1.3 —	UCP206FC — UCP206FC	UCP206FCD — UCP206FCD	70 2 3/4	1.8
	1 3/16 1 1/4	1 7/8	6 7/8	2 1/4	5	21/32	31/32	21/32	3 21/32	2 5/32	1.689	0.689	1/2 M14	UCPX06 UCPX06-19 UCPX06-20	PX06	UCX06 UCX06-19 UCX06-20	2.1 2.1 2.1	25.7	15.4	0.700	13.9	UCPX06C — —	UCPX06CD — —	60 2 3/8 — 60 2 3/8	2.1 — —	— — —	— — —	— — —	— — —
30	—	1 31/32	7 3/32	1 31/32	5 1/2	21/32	25/32	21/32	3 3/4	2 3/32	1.693	0.669	1/2 M14	UCP306	P306	UC306	2.2	26.7	15.0	0.682	13.3	— — —	— — —	— — —	— — —	UCP306C — UCP306C	UCP306CD — UCP306CD	82 3 7/32	2.8
35	1 1/4	1 7/8	6 9/16	1 7/8	5	21/32	13/16	23/32	3 3/4	1 27/32	1.689	0.689	1/2 M14	UCP207-20 UCP207-21 UCP207-22 UCP207 UCP207-23	P207	UC207-20 UC207-21 UC207-22 UC207 UC207-23	1.6 1.6 1.6 1.6 1.6	25.7	15.4	0.700	13.9	— — — UCP207C —	— — — UCP207CD —	— — — 60 2 3/8 —	— — — 1.6 —	— — — UCP207FC —	— — — UCP207FCD —	— — — 78 3 1/16 —	— — — 2.3 —
	1 5/16	1 7/8	6 9/16	1 7/8	5	21/32	13/16	23/32	3 3/4	1 27/32	1.689	0.689	1/2 M14	UCP207-20 UCP207-21 UCP207-22 UCP207 UCP207-23	P207	UC207-20 UC207-21 UC207-22 UC207 UC207-23	1.6 1.6 1.6 1.6 1.6	25.7	15.4	0.700	13.9	— — — UCP207C —	— — — UCP207CD —	— — — 60 2 3/8 —	— — — 1.6 —	— — — UCP207FC —	— — — UCP207FCD —	— — — 78 3 1/16 —	— — — 2.3 —
	1 3/8	2 1/8	8	2 1/4	5 21/32	21/32	1 3/16	3/4	4 1/8	2 17/32	1.937	0.748	1/2 M14	UCPX07-22 UCPX07 UCPX07-23	PX07	UCX07-22 UCX07 UCX07-23	2.7 2.7 2.7	29.1	17.8	0.809	14.0	UCPX07C — UCPX07C	UCPX07CD — UCPX07CD	69 2 23/32 — 69 2 23/32	2.7 — 2.7	— — —	— — —	— — —	— — —
	1 7/16	2 1/8	8	2 1/4	5 21/32	21/32	1 3/16	3/4	4 1/8	2 17/32	1.937	0.748	1/2 M14	UCPX07-22 UCPX07 UCPX07-23	PX07	UCX07-22 UCX07 UCX07-23	2.7 2.7 2.7	29.1	17.8	0.809	14.0	UCPX07C — UCPX07C	UCPX07CD — UCPX07CD	69 2 23/32 — 69 2 23/32	2.7 — 2.7	— — —	— — —	— — —	— — —
	—	2 13/64	8 3/32	2 3/32	6 5/16	21/32	31/32	3/4	4 7/32	2 9/16	1.890	0.748	1/2 M14	UCP307	P307	UC307	3.0	33.4	19.3	0.877	13.2	— — —	— — —	— — —	— — —	UCP307C — UCP307C	UCP307CD — UCP307CD	88 3 15/32	3.8
40	1 1/2	1 15/16	7 1/4	2 5/8	5 13/32	21/32	13/16	23/32	3 27/32	2 3/32	1.937	0.748	1/2 M14	UCP208-24 UCP208-25 UCP208	P208	UC208-24 UC208-25 UC208	2.0 2.0 2.0	29.1	17.8	0.809	14.0	— — UCP208C	— — UCP208CD	— — 69 2 23/32	— — 2.0	— — UCP208FC	— — UCP208FCD	— — 86 3 3/8	— — 2.8
	1 1/2	2 5/16	8 3/4	2 5/8	6 5/32	25/32	1 1/4	13/16	4 1/2	2 25/32	1.937	0.748	5/8 M16	UCPX08-24 UCX08	PX08	UCX08-24 UCX08	3.5 3.5	34.1	21.3	0.968	14.0	— — UCPX08C	— — UCPX08CD	— — 69 2 23/32	— — 3.5	— — —	— — —	— — —	— — —
	1 1/2	2 23/64	8 21/32	2 3/8	6 11/16	21/32	1 1/16	3/4	4 21/32	2 9/16	2.047	0.748	1/2 M14	UCP308-24 UCP308	P308	UC308-24 UC308	3.8 3.8	40.7	24.0	1.09	13.2	— — —	— — —	— — —	— — —	UCP308C — UCP308C	UCP308CD — UCP308CD	96 3 25/32	4.8
45	1 5/8	2 1/8	7 13/32	2 1/8	5 3/4	21/32	13/16	23/32	4 3/16	2 5/32	1.937	0.748	1/2 M14	UCP209-26 UCP209-27 UCP209-28 UCP209	P209	UC209-26 UC209-27 UC209-28 UC209	2.2 2.2 2.2 2.2	34.1	21.3	0.968	14.0	— — — UCP209C	— — — UCP209CD	— — — 69 2 23/32	— — — 2.2	— — — UCP209FC	— — — UCP209FCD	— — — 88 3 15/32	— — — 3.0
	1 3/4	2 5/16	8 3/4	2 5/8	6 5/32	25/32	1 5/16	13/16	4 9/16	2 25/32	2.031	0.748	5/8 M16	UCPX09-28 UCPX09	PX09	UCX09-28 UCX09	3.7 3.7	35.1	23.3	1.06	14.4	— — UCPX09C	— — UCPX09CD	— — 74 2 23/32	— — 3.7	— — —	— — —	— — —	— — —

Remarks 1. In Part No. of unit and units with covers, fitting codes follow bore diameter numbers. (See Table 2.5 in P.11.)

2. Part No. of applicable grease nipples are shown below.

A-1/4-28UNF 201~210, X05~X09, 305~308

A-R1/8 211~218, X10~X20, 309~328

3. As for the triple-lip seal type product (from 201 to 205 are the double-lip seal type products), supplementary code L3 (or L2) follows the Part No. of unit or bearing. (Example of Part No.: UCP206JL3, UC206L3)

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

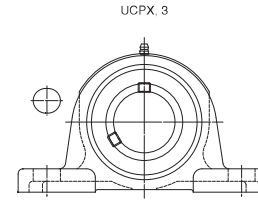
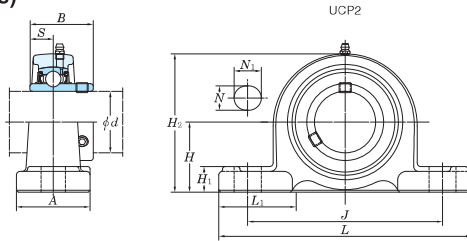
5. Representative examples of the forms of housing are indicated.

6. Housings of spheroidal graphite iron casting are also available.

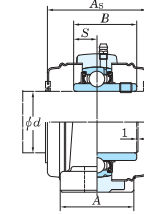
UCP

Cylindrical bore (with set screws)

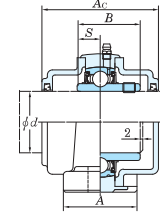
d (45) ~ (75) mm



With Pressed Steel Covers



With Cast Iron Covers

Variations of tolerance of distance from mounting bottom to center of spherical bore (L_{m1})

Housing No.	Unit No.	Unit No.
P203-P210	PX05-PX10	P305-P310
P211-P218	PX11-PX18	P311-P318
PX20	P319-P328	

Shaft Dia. mm inch		Dimensions inch mm											Bolt Size inch mm	Standard			Mass	Basic		Fatigue Load Limit kN	Factor	With Pressed Steel Covers				With Cast Iron Covers					
		Unit No.	Housing No.	Bearing No.	Cr	C0r	Unit No.	Closed End Type	Dimension mm inch	Mass	Unit No.	Closed End Type		Dimension mm inch	Mass																
d	H	L	A	J	N	N1	H1	H2	L1	B	S	inch mm	UCP309-28 UCP309	P309	UC309-28 UC309	kg	Cr	C0r	Cn	f0	Open Ends Type	Closed End Type	Aa	kg	Open Ends Type	Closed End Type	Aa	kg			
45	1 3/4	2 41/64	9 21/32	2 5/8	7 15/32	25/32	1 3/16	13/16	5 3/16	2 15/16	2.244	0.866	5/8	UCP309-28	P309	UC309-28	4.9	48.9	29.5	1.34	13.3	—	—	—	—	—	—	—	—		
	1 7/8	67	245	67	190	20	30	21	132	75	57	22	M16	UCP309		UC309	4.9					—	—	—	—	UCP309C	UCP309CD	102	4 1/32	6.2	
50	1 15/16	2 1/4	8 1/8	2 3/8	6 1/4	25/32	7/8	13/16	4 7/16	2 3/8	2.031	0.748	5/8	UCP210-30	P210	UC210-30	2.9	35.1	23.3	1.06	14.4	—	—	—	—	—	—	—	—		
	1 15/16	57.2	206	60	159	20	22	21	113	60	51.6	19	M16	UCP210-31		UC210-31	2.9					—	—	—	—	—	—	—	—		
	2	2 1/4	8 1/8	2 3/8	6 1/4	25/32	7/8	13/16	4 7/16	2 3/8	2.031	0.748	5/8	UCP210		UC210	2.9					UCP210C	UCP210CD	74	2 29/32	2.9	UCP210FC	UCP210FCD	97	3 13/16	3.9
	1 15/16	2 1/2	9 1/2	2 7/8	6 23/32	25/32	1 13/32	7/8	4 31/32	3	2.189	0.874	5/8	UCPX10-31	PX10	UCX10-31	4.6	43.4	29.4	1.34	14.4	—	—	—	—	—	—	—	—		
	2	63.5	241	73	171	20	36	22	126	76	55.6	22.2	M16	UCPX10		UCX10	4.6					UCPX10C	UCPX10CD	76	3	4.6	—	—	—		
55	—	2 61/64	10 13/16	2 15/16	8 11/32	25/32	1 3/8	13/16	5 13/16	3 15/32	2.402	0.866	5/8	UCP310	P310	UC310	6.6	62.0	38.3	1.74	13.2	—	—	—	—	—	—	—	—		
	2	75	275	75	212	20	35	24	148	88	61	22	M16	UCP310		UC310	6.6					—	—	—	—	—	—	—	—		
	2 1/8	2 1/2	8 3/8	2 3/8	6 23/32	25/32	7/8	25/32	4 29/32	2 9/16	2.189	0.874	5/8	UCP211-32	P211	UC211-32	3.6	43.4	29.4	1.34	14.4	—	—	—	—	—	—	—	—		
	2 3/16	63.5	219	60	171	20	22	23	125	65	55.6	22.2	M16	UCP211-34		UC211-34	3.6					UCP211C	UCP211CD	76	3	3.6	UCP211FC	UCP211FCD	99	3 29/32	4.8
	2 3/16	2 3/4	10 1/4	3 1/8	7 1/4	31/32	1 13/32	1 3/32	5 15/32	3 9/32	2.563	1.000	3/4	UCP211		UC211	3.6					—	—	—	—	—	—	—	—		
60	2 3/16	2 3/4	10 1/4	3 1/8	7 1/4	31/32	1 13/32	1 3/32	5 15/32	3 9/32	2.563	1.000	3/4	UCPX11	PX11	UCX11	6.5	52.4	36.2	1.65	14.4	—	—	—	—	—	—	—	—		
	2 1/4	69.8	260	79	184	25	36	28	139	83	65.1	25.4	M20	UCPX11-35		UCX11-35	6.5					—	—	—	—	—	—	—	—		
	2	3 5/32	12 7/32	3 9/32	9 9/32	25/32	1 1/2	1 1/16	6 7/32	3 17/32	2.598	0.984	5/8	UCPX11-36		UCX11-36	6.5					—	—	—	—	—	—	—	—		
	2 1/4	80	310	80	236	20	38	27	158	90	66	25	M16	UCP311-32	P311	UC311-32	7.9	71.6	45.0	2.05	13.2	—	—	—	—	—	—	—	—		
	2 1/4	80	310	80	236	20	38	27	158	90	66	25	M16	UCP311		UC311	7.9					—	—	—	—	—	—	—	—		
65	2 1/4	2 3/4	9 1/2	2 3/4	7 1/4	25/32	31/32	31/32	5 7/16	2 7/8	2.563	1.000	5/8	UCP212-36	P212	UC212-36	4.9	52.4	36.2	1.65	14.4	—	—	—	—	—	—	—	—		
	2 3/8	69.8	241	70	184	20	25	25	138	73	65.1	25.4	M16	UCP212		UC212	4.9					UCP212C	UCP212CD	89	3 1/2	4.9	UCP212FC	UCP212FCD	114	4 1/2	6.4
	2 7/16	3	11 1/4	3 1/4	8	31/32	1 9/16	1 3/32	5 31/32	3 15/32	2.563	1.000	3/4	UCP212-38		UC212-38	4.9					—	—	—	—	—	—	—	—		
	2 7/16	76.2	286	83	203	25	40	28	152	88	65.1	25.4	M20	UCP212-39		UC212-39	4.9					—	—	—	—	—	—	—	—		
	—	3 11/32	13	3 11/32	9 27/32	25/32	1 1/2	1 1/32	6 3/16	4 1/16	2.795	1.024	3/4	UCPX12	PX12	UCX12	7.7	57.2	40.1	1.82	14.4	UCPX12C	UCPX12CD	89	3 1/2	7.7	—	—	—	—	
70	2 1/2	85	330	85	250	25	38	29	167	103	71	26	M20	UCPX12-39		UCX12-39	7.7					—	—	—	—	—	—	—	—		
	2 1/2	3	10 1/16	2 3/4	8	31/32	1 3/16	1 1/16	5 25/32	3 1/16	2.563	1.000	3/4	UCP312	P312	UC312	9.5	81.9	52.2	2.37	13.2	—	—	—	—	—	—	—	—		
	2 1/2	76.2	265	70	203	25	30	27	150	78	65.1	25.4	M20	UCP213-40	P213	UC213-40	5.9	57.2	40.1	1.82	14.4	—	—	—	—	—	—	—	—		
	2 1/2	3	10 1/16	2 3/4	8	31/32	1 3/16	1 1/16	5 25/32	3 1/16	2.563	1.000	3/4	UCP213		UC213	5.9					UCP213C	UCP213CD	89	3 1/2	5.9	UCP213FC	UCP213FCD	114	4 1/2	7.6
	2 1/2	3	10 1/16	2 3/4	8	31/32	1 3/16	1 1/16	5 25/32	3 1/16	2.563	1.000	3/4	UCPX13-40	PX13	UCX13-40	8.1	62.2	44.1	2.01	14.5	—	—	—	—	—	—	—	—		
75	2 1/2	76.2	286	83	203	25	40	28	155	88	74.6	30.2	M20	UCPX13		UCX13	8.1					UCPX13C	UCPX13CD	99	3 29/32	8.1	—	—	—		
	2 1/2	3 35/64	13 3/8	3 17/32	10 1/4	31/32	1 1/2	1 1/4	6 15/16	4 11/32	2.953	1.181	3/4	UCP313-40	P313	UC313-40	10.7	92.7	59.9	2.68	13.2	—	—	—	—	—	—	—	—		
	2 1/2	90	340	90	260	25	38	32	176	110	75	30	M20	UCP313		UC313	10.7					—	—	—	—	—	—	—	—		
	2 3/4	3 1/8	10 15/32	2 21/32	8 9/32	31/32	1 3/16	1 1/16	6 3/16	2 15/16	2.937	1.189	3/4	UCP214-44	P214	UC214-44	6.8	62.2	44.1	2.01	14.5	—	—	—	—	—	—	—	—		
	2 3/4	79.4	266	72	210	25	30	27	157	75	74.6	30.2	M20	UCP214		UC214	6.8					UCP214C	UCP214CD	99	3 29/32	6.8	UCP214FC	UCP214FCD	124	4 7/8	8.7
80	2 3/4	3 1/2	13	3 1/2	9	1 15/16	1 31/32	1 1/4	6 23/32	3 27/32	3.063	1.331	7/8	UCP314-44	PX14	UCX14-44	10.2	67.4	48.3	2.17	14.5	—	—	—	—	—	—	—	—		
	2 3/4	88.9	330	89	229	27	50	32	171	98	77.8	33.3	M22	UCPX14		UCX14	10.2					UCPX14C	UCPX14CD	99	3 29/32	10.2	—	—	—	—	
	2 3/4	3 47/64	14 3/16	3 17/32	11 1/32	1 1/16	1 9/16	1 3/8	7 5/16	4 11/32	3.071	1.299	7/8	UCP314-44	P314	UC314-44	12.4	104	68.2	2.96	13.2	—	—	—	—	—	—	—	—		
	2 3/4	95	360	90	280	27	40	35	186	110	78	33	M22	UCP314		UC314	12.4					—	—	—	—	—	—	—	—		
	2 3/4	95	360	90	280	27	40	35	186	110	78	33	M22	UCP314		UC314	12.4					—	—	—	—	—	—	—	—		
85	2 15/16	3 1/4	10 13/16	2 29/32	8 17/32	31/32	1 3/16	1 3/32	6 3/8	3 1/16	3.063	1.311	3/4	UCP215-47	P215	UC215-47	7.4	67.4	48.3	2.17	14.5	—	—	—	—	—	—	—	—		
	3	82.6	275	74	217	25	30	28	162	78	77.8	33.3	M20	UCP215		UC215	7.4					UCP215C	UCP215CD	99	3 29/32	7.4	UCP215FC	UCP215FCD	124	4 7/8	9.3
	2 15/16	3 1/2	13	3 1/2	9	1 15/16	1 31/32	1 1/4	6 7/8	3 29/32	3.252	1.311	7/8	UCP215-48	P215	UC215-48	7.4					—	—	—	—	—	—	—	—		
	3	88.9	330	89	229	27	50	32	175	99	82.6	33.3	M22	UCPX15-47	PX15	UCX15-47	10.8	72.7	53.0	2.30	14.6	—	—	—	—	—	—	—	—	—	
	3	88.9	330	89	229	27	50	32	175	99	82.6	33.3	M22	UCPX15		UCX15	10.8					UCPX15C	UCPX15CD	109	4 9/32	10.8	—	—	—	—	
90	3	88.9	330	89	229	27	50	32	175	99	82.6	33.3	M22	UCPX15-48	PX15	UCX15-48	10.8	72.7	53.0	2.30	14.6	—	—	—	—	—	—	—	—		
	3	88.9	330	89	229	27	50	32	175	99	82.6	33.3	M22	UCPX15		UCX15	10.8					—	—	—	—	—	—	—	—		