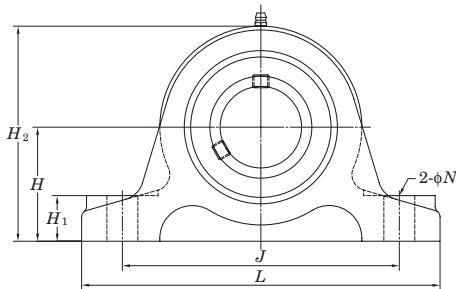
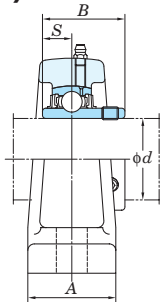
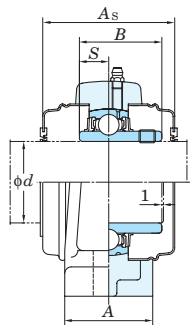


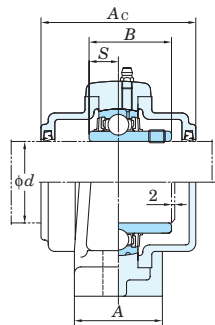
UCIP
Cylindrical bore (with set screws)
d 40 ~ 140 mm



With Pressed Steel Cover



With Cast Iron Cover



Variations of tolerance of distance from mounting bottom to center of spherical bore (ΔH_s) and variations of tolerance of distance between centers of bolt holes (ΔJ_s)

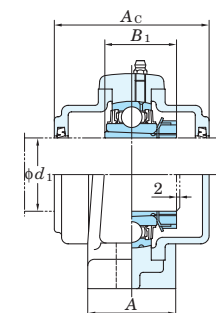
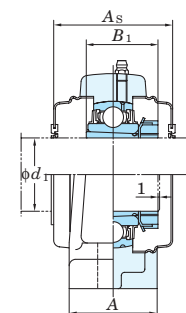
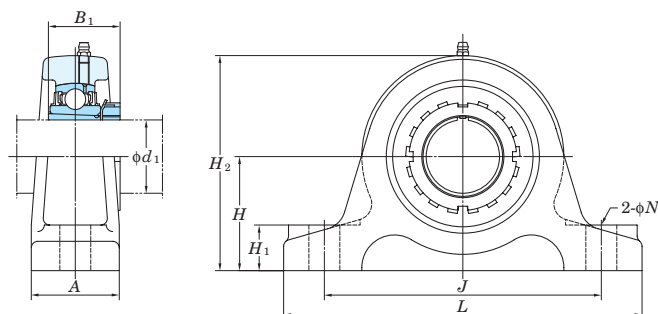
Housing No.		ΔH_s	ΔJ_s
IP208-IP210	IP211-IP213	±0.15	±0.5
	IP313-IP318	±0.2	±0.7
IP319-IP328		±0.3	

Unit: mm

Shaft Dia. mm inch		Dimensions inch mm									Bolt Size inch mm	Standard				Mass	Basic Load Ratings kN		Factor	With Pressed Steel Cover				With Cast Iron Cover						
d		H	L	A	J	N	H_1	H_2	B	S		Unit No.	Housing No.	Bearing No.		C_r	C_{0r}	f_0	Open Type	One Side Closed Type	mm inch A_s	Mass kg	Open Type	One Side Closed Type	mm inch A_c	Mass kg				
40	1 1/2 1 9/16	2 23/64 60	7 7/8 200	2 3/8 60	5 29/32 150	3/4 19	31/32 25	4 17/32 115	1.937 49.2	0.748 19	5/8 M16	UCIP208-24 UCIP208-25 UCIP208	IP208	UC208-24 UC208-25 UC208		3.4 3.4 3.4	29.1	17.8	14.0	— — UCIP208C	— — UCIP208CD	— — 68	— — 2 11/16	— — 3.4	— — UCIP208FC	— — UCIP208FCD	— — 86	— — 3 3/8	— — 4.2	
	45	1 5/8 1 11/16 1 3/4	2 3/4 70	8 9/32 210	2 3/8 60	6 19/64 160	3/4 19	31/32 25	5 1/32 128	1.937 49.2	0.748 19	5/8 M16	UCIP209-26 UCIP209-27 UCIP209-28 UCIP209	IP209	UC209-26 UC209-27 UC209-28 UC209		3.9 3.9 3.9 3.9	34.1	21.3	14.0	— — — UCIP209C	— — — UCIP209CD	— — — 68	— — — 2 11/16	— — — 3.9	— — — UCIP209FC	— — — UCIP209FCD	— — — 88	— — — 3 15/32	— — — 4.7
		50	1 7/8 1 15/16 2	2 3/4 70	8 21/32 220	2 3/8 60	6 11/16 170	3/4 19	1 3/32 28	5 3/16 132	2.031 51.6	0.748 19	5/8 M16	UCIP210-30 UCIP210-31 UCIP210 UCIP210-32	IP210	UC210-30 UC210-31 UC210 UC210-32		4.8 4.8 4.8 4.8	35.1	23.3	14.4	— — UCIP210C	— — UCIP210CD	— — 73	— — 2 7/8	— — 4.8	— — UCIP210FC	— — UCIP210FCD	— — 97	— — 3 13/16
55			2 2 1/8 2 3/16	3 5/32 80	9 1/16 230	2 3/8 60	7 3/32 180	3/4 19	1 3/32 28	5 13/16 148	2.189 55.6	0.874 22.2	5/8 M16	UCIP211-32 UCIP211-34 UCIP211 UCIP211-35	IP211	UC211-32 UC211-34 UC211 UC211-35		5.3 5.3 5.3 5.3	43.4	29.4	14.4	— — UCIP211C	— — UCIP211CD	— — 75	— — 2 15/16	— — 5.3	— — UCIP211FC	— — UCIP211FCD	— — 99	— — 3 29/32
	60		2 1/4 2 3/8 2 7/16	3 5/32 80	10 1/4 260	2 3/4 70	7 7/8 200	7/8 22	1 3/16 30	6 3/32 155	2.563 65.1	1.000 25.4	3/4 M20	UCIP212-36 UCIP212 UCIP212-38 UCIP212-39	IP212	UC212-36 UC212 UC212-38 UC212-39		7.2 7.2 7.2 7.2	52.4	36.2	14.4	— UCIP212C	— UCIP212CD	— 88	— 3 15/32	— 7.2	— UCIP212FC	— UCIP212FCD	— 114	— 4 1/2
		65	2 1/2 2 1/2	3 35/64 90	11 1/32 280	2 3/4 70	8 21/32 220	7/8 22	1 3/16 30	6 25/32 172	2.563 65.1	1.000 25.4	3/4 M20	UCIP213-40 UCIP213	IP213	UC213-40 UC213		8.8 8.8	57.2	40.1	14.4	— UCIP213C	— UCIP213CD	— 88	— 3 15/32	— 8.8	— UCIP213FC	— UCIP213FCD	— 114	— 4 1/2
70			2 3/4 2 3/4	4 21/64 110	13 310	2 15/16 70	10 5/8 250	31/32 22	1 3/8 30	8 15/32 208	3.071 75	1.299 30	7/8 M20	UCIP313-40 UCIP313	IP313	UC313-40 UC313		13.4 13.4	92.7	59.9	13.2	— —	— —	— —	— —	— —	— UCIP313C	— UCIP313CD	— 122	— 4 13/16
	75		2 3/4 2 15/16 3	4 21/64 120	13 340	2 15/16 75	10 5/8 270	31/32 25	1 3/8 35	8 15/32 215	3.071 78	1.299 33	7/8 M22	UCIP314-44 UCIP314	IP314	UC314-44 UC314		15.3 15.3	104	68.2	13.2	— —	— —	— —	— —	— —	— UCIP314C	— UCIP314CD	— 124	— 4 7/8
		80	2 15/16 3	4 23/32 120	13 3/8 340	2 15/16 75	11 1/32 280	31/32 25	1 3/8 35	9 1/16 230	3.228 82	1.260 32	7/8 M22	UCIP315-47 UCIP315 UCIP315-48	IP315	UC315-47 UC315 UC315-48		17.6 17.6 17.6	113	77.2	13.2	— — —	— — —	— — —	— — —	— — —	— UCIP315C	— UCIP315CD	— 134	— 5 9/32
85			— — 3 1/2	4 23/32 120	13 25/32 350	3 11/32 85	11 27/64 290	31/32 25	1 9/16 40	9 1/4 235	3.386 86	1.339 34	7/8 M22	UCIP316	IP316	UC316		20.3	123	86.7	13.3	— — —	— — —	— — —	— — —	— — —	— UCIP316C	— UCIP316CD	— 138	— 5 7/16
	90		— — 3 1/2	5 1/8 130	14 9/16 370	3 11/32 85	12 13/64 310	31/32 25	1 9/16 40	10 1/32 255	3.780 96	1.575 40	7/8 M22	UCIP317	IP317	UC317		25.9	133	96.8	13.3	— — —	— — —	— — —	— — —	— — —	— UCIP317C	— UCIP317CD	— 146	— 5 3/4
		95	— — 3 1/2	5 1/8 130	15 3/4 400	3 11/32 85	13 330	1 5/32 29	1 25/32 45	10 1/4 260	3.780 96	1.575 40	1 M27	UCIP318-56 UCIP318	IP318	UC318-56 UC318		28.6 28.6	143	107	13.3	— — —	— — —	— — —	— — —	— — —	— UCIP318C	— UCIP318CD	— 150	— 5 29/32
100			— — 3 1/2	5 29/32 150	16 5/32 410	3 11/32 85	13 25/64 340	1 5/32 29	1 25/32 45	11 7/32 285	4.055 103	1.614 41	1 M27	UCIP319	IP319	UC319		31.7	153	119	13.3	— — —	— — —	— — —	— — —	— — —	— UCIP319C	— UCIP319CD	— 162	— 6 3/8
	110		— — 3 15/16 4	5 29/32 150	16 15/16 430	3 11/32 85	14 11/64 360	1 5/32 29	1 25/32 45	11 5/8 295	4.252 108	1.654 42	1 M27	UCIP320 UCIP320-63 UCIP320-64	IP320	UC320 UC320-63 UC320-64		36.9 36.9 36.9	173	141	13.2	— — —	— — —	— — —	— — —	— — —	— UCIP320C	— UCIP320CD	— 174	— 6 27/32
		120	— — 3 15/16 4	6 11/16 170	19 9/32 490	3 15/16 100	16 9/64 410	1 1/4 32	1 31/32 50	13 3/16 335	4.606 117	1.811 46	1 1/8 M30	UCIP322	IP322	UC322		52.4	205	180	13.2	— — —	— — —	— — —	— — —	— — —	— UCIP322C	— UCIP322CD	— 188	— 7 13/32
130			— — 3 15/16 4	6 11/16 170	20 3/32 510	3 15/16 100	16 59/64 430	1 1/4 32	1 31/32 50	13 19/32 345	4.961 126	2.008 51	1 1/8 M30	UCIP324	IP324	UC324		58.7	207	185	13.5	— — —	— — —	— — —	— — —	— — —	— UCIP324C	— UCIP324CD	— 196	— 7 23/32
	140		— — 3 15/16 4	7 7/8 200	21 21/32 550	4 11/32 110	18 1/2 470	1 1/4 32	1 31/32 50	15 11/32 390	5.315 135	2.126 54	1 1/8 M30	UCIP326	IP326	UC326		76.2	229	214	13.6	— — —	— — —	— — —	— — —	— — —	— UCIP326C	— UCIP326CD	— 214	— 8 7/16
		140	— — 3 15/16 4	7 7/8 200	23 7/32 590	4 11/32 110	19 11/16 500	1 3/8 35	2 5/32 55	15 3/4 400	5.709 145	2.323 59	1 1/4 M33	UCIP328	IP328	UC328		87.0	253	246	13.6	— — —	— — —	— — —	— — —	— — —	— UCIP328C	— UCIP328CD	— 222	— 8 3/4

UKIP

Tapered bore (with adapter)

 d_1 35 ~ 125 mm

Variations of tolerance of distance from mounting bottom to center of spherical bore (ΔH_0) and variations of tolerance of distance between centers of bolt holes (ΔJ_0)

Housing No.		Δ_{Hs}	Δ_{Js}
IP208~IP210		± 0.15	± 0.5
IP211~IP213	IP313~IP318	± 0.2	± 0.7
	IP319~IP328	± 0.3	

Shaft Dia. mm inch		Dimensions inch mm								Bolt Size inch mm	Standard				Mass kg	Basic Load Ratings kN		Factor f_0	With Pressed Steel Cover				With Cast Iron Cover							
		Unit No.	Housing No.	Bearing No.	Adapter ¹⁾ No.	Open Type	One Side Closed Type	Dimension mm inch			Mass kg	Open Type	One Side Closed Type	Dimension mm inch		Mass kg														
d_1	H							L	A	J				N	H_1		H_2	$B_1^{1)}$	C_r	C_{0r}	A_s	A_c								
35	1 ¹ / ₄	2 ²³ / ₆₄	7 ⁷ / ₈	2 ³ / ₈	5 ²⁹ / ₃₂	³ / ₄	³¹ / ₃₂	4 ¹⁷ / ₃₂	1 ¹³ / ₃₂ (1 ¹³ / ₁₆)	⁵ / ₈	UKIP208	IP208	UK208	HE308X(HE2308X)	3.5	29.1	17.8	14.0	—	—	—	—	—	—	—	—				
	1 ³ / ₈	60	200	60	150	19	25	115	36(46)	M16				HS308X(HS2308X)	3.5				—	—	—	—	—	—	—	—	—	—	—	—
														H308X(H2308X)	3.5				UKIP208C	UKIP208CD	68	2 ¹¹ / ₁₆	3.5	UKIP208FC	UKIP208FCD	86	3 ³ / ₈	4.4		
40	1 ¹ / ₂	2 ³ / ₄	8 ⁹ / ₃₂	2 ³ / ₈	6 ¹⁹ / ₆₄	³ / ₄	³¹ / ₃₂	5 ¹ / ₃₂	1 ¹⁷ / ₃₂ (1 ³¹ / ₃₂)	⁵ / ₈	UKIP209	IP209	UK209	HE309X(HE2309X)	4.0	34.1	21.3	14.0	—	—	—	—	—	—	—	—				
		70	210	60	160	19	25	128	39(50)	M16				H309X(H2309X)	4.0				UKIP209C	UKIP209CD	68	2 ¹¹ / ₁₆	4.0	UKIP209FC	UKIP209FCD	88	3 ¹⁵ / ₃₂	4.9		
45	1 ³ / ₄	2 ³ / ₄	8 ²¹ / ₃₂	2 ³ / ₈	6 ¹¹ / ₁₆	³ / ₄	1 ³ / ₃₂	5 ³ / ₁₆	1 ²¹ / ₃₂ (2 ⁵ / ₃₂)	⁵ / ₈	UKIP210	IP210	UK210	HE310X(HE2310X)	4.8	35.1	23.3	14.4	—	—	—	—	—	—	—	—				
		70	220	60	170	19	28	132	42(55)	M16				H310X(H2310X)	4.8				UKIP210C	UKIP210CD	73	2 ⁷ / ₈	4.8	UKIP210FC	UKIP210FCD	97	3 ¹³ / ₁₆	5.8		
50	1 ⁷ / ₈	3 ⁵ / ₃₂	9 ¹ / ₁₆	2 ³ / ₈	7 ³ / ₃₂	³ / ₄	1 ³ / ₃₂	5 ¹³ / ₁₆	1 ²⁵ / ₃₂ (2 ⁵ / ₁₆)	⁵ / ₈	UKIP211	IP211	UK211	HS311X(HS2311X)	5.3	43.4	29.4	14.4	—	—	—	—	—	—	—	—				
	2	80	230	60	180	19	28	148	45(59)	M16				H311X(H2311X)	5.3				UKIP211C	UKIP211CD	75	2 ⁵ / ₁₆	5.3	UKIP211FC	UKIP211FCD	99	3 ²⁹ / ₃₂	5.9		
55	2 ¹ / ₈	3 ⁵ / ₃₂	10 ¹ / ₄	2 ³ / ₄	7 ⁷ / ₈	⁷ / ₈	1 ³ / ₁₆	6 ³ / ₃₂	1 ²⁷ / ₃₂ (2 ⁷ / ₁₆)	³ / ₄	UKIP212	IP212	UK212	HS312X(HS2312X)	7.1	52.4	36.2	14.4	—	—	—	—	—	—	—	—				
		80	260	70	200	22	30	155	47(62)	M20				H312X(H2313X)	7.1				UKIP212C	UKIP212CD	88	3 ¹⁵ / ₃₂	7.1	UKIP212FC	UKIP212FCD	114	4 ¹ / ₂	8.6		
60	2 ¹ / ₄	3 ³⁵ / ₆₄	11 ¹ / ₃₂	2 ³ / ₄	8 ²¹ / ₃₂	⁷ / ₈	1 ³ / ₁₆	6 ²⁵ / ₃₂	1 ³¹ / ₃₂ (2 ⁹ / ₁₆)	³ / ₄	UKIP213	IP213	UK213	HE313X(HE2313X)	8.7	57.2	40.1	14.4	—	—	—	—	—	—	—	—				
	2 ³ / ₈	90	280	70	220	22	30	172	50(65)	M20				H313X(H2313X)	8.7				UKIP213C	UKIP213CD	88	3 ¹⁵ / ₃₂	8.7	UKIP213FC	UKIP213FCD	114	4 ¹ / ₂	10.4		
	2 ¹ / ₄	4 ²¹ / ₆₄	12 ⁷ / ₃₂	2 ³ / ₄	9 ²⁷ / ₃₂	⁷ / ₈	1 ³ / ₁₆	8 ³ / ₁₆	2 ⁹ / ₁₆	³ / ₄	UKIP313	IP313	UK313	HE2313X	13.5	92.7	59.9	13.2	—	—	—	—	—	—	—	—				
	2 ³ / ₈	110	310	70	250	22	30	208	65	M20				H2313X	13.5				UKIP313C	UKIP313CD	122	4 ¹³ / ₁₆	15.7							
65	2 ¹ / ₂	4 ²³ / ₃₂	13 ³ / ₈	2 ¹⁵ / ₁₆	11 ¹ / ₃₂	³¹ / ₃₂	1 ³ / ₈	9 ¹ / ₁₆	2 ⁷ / ₈	⁷ / ₈	UKIP315	IP315	UK315	HE2315X	17.7	113	77.2	13.2	—	—	—	—	—	—	—	—				
		120	340	75	280	25	35	230	73	M22				H2315X	17.7				UKIP315C	UKIP315CD	134	5 ⁹ / ₃₂	20.5							
70	2 ³ / ₄	4 ²³ / ₃₂	13 ²⁵ / ₃₂	3 ¹¹ / ₃₂	11 ²⁷ / ₆₄	³¹ / ₃₂	1 ⁹ / ₁₆	9 ¹ / ₄	3 ¹ / ₁₆	⁷ / ₈	UKIP316	IP316	UK316	HE2316X	20.4	123	86.7	13.3	—	—	—	—	—	—	—	—				
		120	350	85	290	25	40	235	78	M22				H2316X	20.4				UKIP316C	UKIP316CD	138	5 ⁷ / ₁₆	23.5							
75	5 ¹ / ₈	14 ⁹ / ₁₆	3 ¹¹ / ₃₂	12 ¹³ / ₆₄	³¹ / ₃₂	1 ⁹ / ₁₆	10 ¹ / ₃₂	3 ⁷ / ₃₂		⁷ / ₈	UKIP317	IP317	UK317	H2317X	25.7	133	96.8	13.3	—	—	—	—	—	—	—	—				
	3	130	370	85	310	25	40	255	82	M22				HE2317X	25.7				UKIP317C	UKIP317CD	146	5 ³ / ₄	29.2							
80	—	5 ¹ / ₈	15 ³ / ₄	3 ¹¹ / ₃₂	13	1 ⁵ / ₃₂	1 ²⁵ / ₃₂	10 ¹ / ₄	3 ³ / ₈	1	UKIP318	IP318	UK318	H2318X	28.7	143	107	13.3	—	—	—	—	—	—	—					
85	3 ¹ / ₄	5 ²⁹ / ₃₂	16 ⁵ / ₃₂	3 ¹¹ / ₃₂	13 ²⁵ / ₆₄	1 ⁵ / ₃₂	1 ²⁵ / ₃₂	11 ⁷ / ₃₂	3 ¹⁷ / ₃₂	1	UKIP319	IP319	UK319	HE2319X	32.0	153	119	13.3	—	—	—	—	—	—	—	—				
		150	410	85	340	29	45	285	90	M27				H2319X	32.0				UKIP319C	UKIP319CD	162	6 ³ / ₈	36.7							
90	3 ¹ / ₂	5 ²⁹ / ₃₂	16 ¹⁵ / ₁₆	3 ¹¹ / ₃₂	14 ¹¹ / ₆₄	1 ⁵ / ₃₂	1 ²⁵ / ₃₂	11 ⁵ / ₈	3 ¹³ / ₁₆	1	UKIP320	IP320	UK320	HE2320X	36.6	173	141	13.2	—	—	—	—	—	—	—	—				
		150	430	85	360	29	45	295	97	M27				H2320X	36.6				UKIP320C	UKIP320CD	174	6 ²⁷ / ₃₂	42.8							
100	4	6 ¹¹ / ₁₆	19 ⁹ / ₃₂	3 ¹⁵ / ₁₆	16 ⁹ / ₆₄	1 ¹ / ₄	1 ³¹ / ₃₂	13 ³ / ₁₆	4 ¹ / ₈	1 ¹ / ₈	UKIP322	IP322	UK322	H2322X	52.2	205	180	13.2	—	—	—	—	—	—	—	—				
		170	490	100	410	32	50	335	105	M30				HE2322X	52.2				UKIP322C	UKIP322CD	188	7 ¹³ / ₃₂	59.1							
110	—	6 ¹¹ / ₁₆	20 ³ / ₃₂	3 ¹⁵ / ₁₆	16 ⁵⁹ / ₆₄	1 ¹ / ₄	1 ³¹ / ₃₂	13 ¹⁹ / ₃₂	4 ¹³ / ₃₂	1 ¹ / ₈	UKIP324	IP324	UK324	H2324	59.0	207	185	13.5	—	—	—	—	—	—	—					
115	4 ¹ / ₂	7 ⁷ / ₈	21 ²¹ / ₃₂	4 ¹¹ / ₃₂	18 ¹ / ₂	1 ¹ / ₄	1 ³¹ / ₃₂	15 ¹¹ / ₃₂	4 ³ / ₄	1 ¹ / ₈	UKIP326	IP326	UK326	HE2326	76.0	229	214	13.6	—	—	—	—	—	—	—	—				
		200	550	110	470	32	50	390	121	M30				H2326	76.0				UKIP326C	UKIP326CD	214	8 ⁷ / ₁₆	89.3							
125	—	7 ⁷ / ₈	23 ⁷ / ₃₂	4 ¹¹ / ₃₂	19 ¹¹ / ₁₆	1 ³ / ₈	2 ⁵ / ₃₂	15 ³ / ₄	4 ⁵ / ₃₂	1 ¹ / ₄	UKIP328	IP328	UK328	H2328	87.0	253	246	13.6	—	—	—	—	—	—	—					

Note 1) Codes shown in parentheses indicate the dimensions and Part No. of applicable adapter (H2300X series) for UK200L3 series (triple seal type).

Remarks 1. In Part No. of unit and units with covers, fitting codes follow bore diameter numbers. (See **Table 10.5** in P.51.)

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

A-1/4-28UNF.....208~210
A-R1/8.....211~213, 313~328

3. In Part No. of unit with adapters and bearing with adapters, Part No. of applicable adapter follow the Part No. shown in the dimensional tables. (Example of Part No. : UKIP208J + H308X, UK208 + H308X)

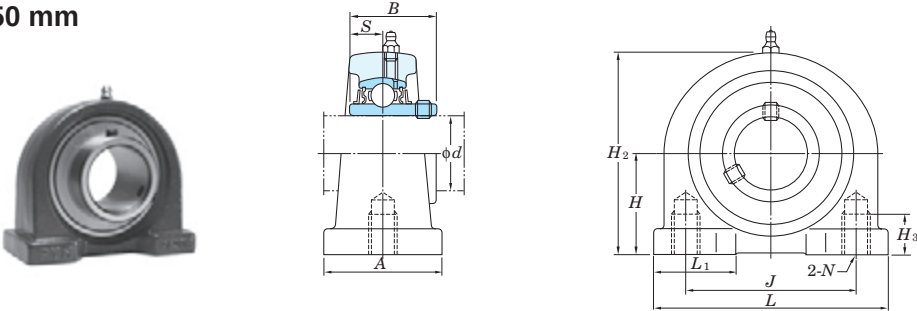
4. As for the triple seal type product, accessory code L3 follows the Part No. of unit or bearing.

4. AS for the triple seal type product, accessory code ES follows the Part No. (Example of Part No. : UKIP208JL3 + H2308X, UK208L3 + H2308X)

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

6. Housings of nodular graphite cast iron are also available.

UCPA
Cylindrical bore (with set screws)
d 12 ~ 50 mm



Variations of tolerance of distance from mounting bottom to center of spherical bore (ΔH_s) and variations of tolerance of distance between centers of bolt holes (ΔJ_s)

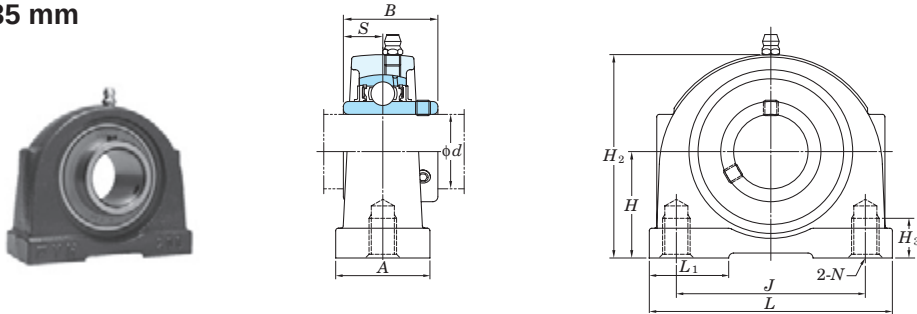
Unit: mm		
Housing No.	ΔH_s	ΔJ_s
PA204-PA210	±0.15	±0.5

Shaft Dia. mm inch		Dimensions inch mm										Unit No.	Housing No.	Bearing No.	Basic Load Ratings kN		Factor	Mass
d		H	L	A	J	N	H ₂	H ₃	L ₁	B	S				C _r	C _{0r}	f ₀	kg
12	1/2											UCPA201		UC201				0.64
15	5/8	1 3/16	3	1 9/16	2 3/64	M10×1.5	2 3/8	1/2	1 1/16	1.220	0.500	UCPA201-8	PA204	UC201-8	12.8	6.65	13.2	0.62
17	3/4	30.2	76	40	52		60	13	27	31	12.7	UCPA202		UC202				0.61
20												UCPA202-10		UC202-10				0.59
												UCPA203		UC203				
												UCPA204-12		UC204-12				
												UCPA204		UC204				
25	7/8	1 7/16	3 5/16	1 25/32	2 13/64	M10×1.5	2 25/32	1/2	1 3/16	1.343	0.563	UCPA205-14	PA205	UC205-14	14.0	7.85	13.9	0.83
	15/16	36.5	84	45	56		71	13	30	34.1	14.3	UCPA205-15		UC205-15				
	1											UCPA205		UC205				
												UCPA205-16		UC205-16				
30	1 1/8	1 11/16	3 11/16	1 31/32	2 19/32		3 5/16	23/32	1 13/32	1.500	0.626	UCPA206-18	PA206	UC206-18	19.5	11.3	13.9	1.2
	1 3/16	42.9	94	50	66	M14×2	84	18	36	38.1	15.9	UCPA206		UC206				
	1 1/4											UCPA206-19		UC206-19				
												UCPA206-20		UC206-20				
35	1 1/4	1 7/8	3 11/32	2 5/32	3 5/32	M14×2	3 21/32	25/32	1 5/8	1.689	0.689	UCPA207-20	PA207	UC207-20	25.7	15.4	13.9	1.7
	1 5/16	47.6	110	55	80		93	20	41	42.9	17.5	UCPA207-21		UC207-21				
	1 3/8											UCPA207-22		UC207-22				
	1 7/16											UCPA207		UC207				
												UCPA207-23		UC207-23				
40	1 1/2	1 15/16	4 9/16	2 9/32	3 5/16	M14×2	3 15/16	25/32	1 5/8	1.937	0.748	UCPA208-24	PA208	UC208-24	29.1	17.8	14.0	2.0
	1 9/16	49.2	116	58	84		100	20	41	49.2	19	UCPA208-25		UC208-25				
												UCPA208		UC208				
45	1 5/8	2 9/64	4 23/32	2 3/8	3 35/64	M14×2	4 3/16	31/32	1 21/32	1.937	0.748	UCPA209-26	PA209	UC209-26	34.1	21.3	14.0	2.2
	1 11/16	54.2	120	60	90		106	25	42	49.2	19	UCPA209-27		UC209-27				
	1 3/4											UCPA209-28		UC209-28				
												UCPA209		UC209				
50	1 7/8	2 1/4	5 1/8	2 17/32	3 45/64	M16×2	4 7/16	31/32	1 27/32	2.031	0.748	UCPA210-30	PA210	UC210-30	35.1	23.3	14.4	2.8
	1 15/16	57.2	130	64	94		113	25	47	51.6	19	UCPA210-31		UC210-31				
	2											UCPA210		UC210				
												UCPA210-32		UC210-32				

Remarks 1. In Part No. of unit, fitting codes follow bore diameter codes. (See **Table 10.5** in P.51.)
2. Part No. of the applicable grease fitting is A-1/4-28UNF.
3. As for the triple seal type product (from 201 to 205 are the double seal type products), accessory code L3 (or L2) follows Part No. of unit or bearing. (Example of Part No. : UCPA206JL3, UC206L3)

4. As for the dimensions and forms of applicable bearings, see the dimensional tables of ball bearing for unit.
5. Tapered bore (with adapter) type products are also available. (Example of Part No. : UKPA205J + H305X, UK205 + H305X)
6. Housings of nodular graphite cast iron are also available.

UCPAN
Cylindrical bore (with set screws)
d 20 ~ 35 mm



Variations of tolerance of distance from mounting bottom to center of spherical bore (ΔH_s) and variations of tolerance of distance between centers of bolt holes (ΔJ_s)

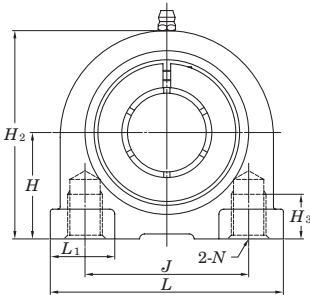
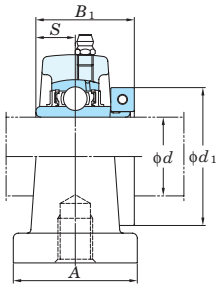
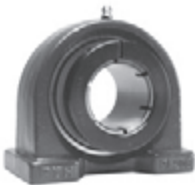
Unit: mm		
Housing No.	ΔH_s	ΔJ_s
PAN204~PAN207	±0.15	±0.5

Shaft Dia. mm inch		Dimensions inch mm										Unit No.	Housing No.	Bearing No.	Basic Load Ratings kN		Factor	Mass
d		H	L	A	J	N	H ₂	H ₃	L ₁	B	S				C _r	C _{0r}	f ₀	kg
20	3/4	1 5/16	2 9/16	1 1/4	2	3/8-16UNC	2 17/32	1/2	7/8	1.220	0.500	UCPAN204-12 UCPAN204	PAN204	UC204-12 UC204	12.8	6.65	13.2	0.55
		33.3	65	32	50.8		64	12.7	22	31	12.7							
25	7/8	1 7/16	2 3/4	1 13/32	2	3/8-16UNC	2 3/4	1/2	15/16	1.343	0.563	UCPAN205-14 UCPAN205-15 UCPAN205 UCPAN205-16	PAN205	UC205-14 UC205-15 UC205 UC205-16	14.0	7.85	13.9	0.65
	15/16	36.5	70	36	50.8		70	13	24	34.1	14.3							
	1																	
30	1 1/8	1 11/16	3 27/32	1 1/2	3	7/16-14UNC	3 7/32	5/8	1 11/32	1.500	0.626	UCPAN206-18 UCPAN206 UCPAN206-19 UCPAN206-20	PAN206	UC206-18 UC206 UC206-19 UC206-20	19.5	11.3	13.9	1.3
	1 3/16	42.9	98	38	76.2		82	16	34	38.1	15.9							
	1 1/4																	
35	1 1/4	1 7/8	4 11/32	1 7/8	3 1/4	1/2-13UNC	3 21/32	3/4	1 3/32	1.689	0.689	UCPAN207-20 UCPAN207-21 UCPAN207-22 UCPAN207 UCPAN207-23	PAN207	UC207-20 UC207-21 UC207-22 UC207 UC207-23	25.7	15.4	13.9	1.8
	1 5/16	47.6	110	48	82.6		93	19	28	42.9	17.5							
	1 3/8																	
	1 7/16																	

Remarks 1. In Part No. of unit, fitting codes follow bore diameter codes. (See Table 10.5 in P.51.)
2. Part No. of the applicable grease fitting is A-1/4-28UNF.
3. As for the triple seal type product (from 201 to 205 are the double seal type products), accessory code L3 (or L2) follows Part No. of unit or bearing. (Example of Part No. : UCPAN206JL3, UC206L3)

4. As for the dimensions and forms of applicable bearings, see the dimensional tables of ball bearing for unit.
5. Tapered bore (with adapter) type products are also available. (Example of Part No. : UKPAN205J + H305X, UK205 + H305X)
6. Housings of nodular graphite cast iron are also available.

NCPA
Cylindrical bore
(with concentric locking collar)
d 20 ~ 50 mm



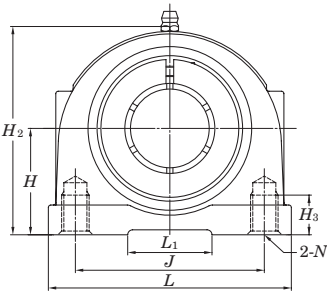
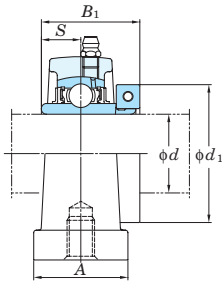
Variations of tolerance of distance from mounting bottom to center of spherical bore (ΔH_s) and variations of tolerance of distance between centers of bolt holes (ΔJ_s)

Unit: mm		
Housing No.	ΔH_s	ΔJ_s
PA204-PA210	±0.15	±0.5

Shaft Dia. mm inch		Dimensions inch mm											Unit No.	Housing No.	Bearing No.	Basic Load Ratings kN		Factor	Mass
<i>d</i>		<i>H</i>	<i>L</i>	<i>A</i>	<i>J</i>	<i>N</i>	<i>H</i> ₂	<i>H</i> ₃	<i>L</i> ₁	<i>B</i> ₁	<i>S</i>	<i>d</i> ₁				<i>C</i> _r	<i>C</i> _{0r}	<i>f</i> ₀	kg
20	3/4	1 3/16	3	1 9/16	2 3/64		2 3/8	1/2	1 1/16	1 9/32	0.500	1 3/4	NCPA204-12	PA204	NC204-12 NC204	12.8	6.65	13.2	0.73
		30.2	76	40	52	M10×1.5	60	13	27	32.5	12.7	44.5	NCPA204						
25	7/8	1 7/16	3 5/16	1 25/32	2 13/64		2 25/32	1/2	1 3/16	1 7/16	0.563	1 15/16	NCPA205-14	PA205	NC205-14 NC205-15 NC205 NC205-16	14.0	7.85	13.9	1.0
	15/16	36.5	84	45	56	M10×1.5	71	13	30	36.5	14.3	49.2	NCPA205-15 NCPA205 NCPA205-16						
30	1 1/8	1 11/16	3 11/16	1 31/32	2 19/32		3 5/16	23/32	1 13/32	1 9/16	0.626	2 3/16	NCPA206-18	PA206	NC206-18 NC206 NC206-19 NC206-20	19.5	11.3	13.9	1.4
	1 3/16	42.9	94	50	66	M14×2	84	18	36	39.7	15.9	55.6	NCPA206 NCPA206-19 NCPA206-20						
35	1 1/4	1 7/8	3 11/32	2 5/32	3 5/32		3 21/32	25/32	1 5/8	1 3/4	0.689	2 7/16	NCPA207-20	PA207	NC207-20	25.7	15.4	13.9	2.0
		47.6	110	55	80	M14×2	93	20	41	44.5	17.5	61.9	NCPA207-20						
35	1 3/8	1 7/8	3 11/32	2 5/32	3 5/32		3 21/32	25/32	1 5/8	1 3/4	0.689	2 9/16	NCPA207-22	PA207	NC207-22 NC207 NC207-23	25.7	15.4	13.9	2.0
	1 7/16	47.6	110	55	80	M14×2	93	20	41	44.5	17.5	65.1	NCPA207 NCPA207-23						
40	1 1/2	1 15/16	4 9/16	2 9/32	3 5/16		3 15/16	25/32	1 5/8	2	0.748	2 11/16	NCPA208-24	PA208	NC208-24 NC208	29.1	17.8	14.0	2.4
		49.2	116	58	84	M14×2	100	20	41	50.8	19	68.3	NCPA208						
45	1 5/8	2 9/64	4 23/32	2 3/8	3 35/64		4 3/16	31/32	1 21/32	2	0.748	2 13/16	NCPA209-26	PA209	NC209-26	34.1	21.3	14.0	2.6
		54.2	120	60	90	M14×2	106	25	42	50.8	19	71.4	NCPA209-26						
45	1 11/16	2 9/64	4 23/32	2 3/8	3 35/64		4 3/16	31/32	1 21/32	2	0.748	2 15/16	NCPA209-27	PA209	NC209-27 NC209-28 NC209	34.1	21.3	14.0	2.6
	1 3/4	54.2	120	60	90	M14×2	106	25	42	50.8	19	74.6	NCPA209-28 NCPA209						
50	1 15/16	2 1/4	5 1/8	2 17/32	3 45/64		4 7/16	31/32	1 27/32	2 3/32	0.748	3 3/8	NCPA210-31	PA210	NC210-31 NC210 NC210-32	35.1	23.3	14.4	3.4
	2	57.2	130	64	94	M16×2	113	25	47	53.1	19	85.7	NCPA210 NCPA210-32						

Remarks 1. In Part No. of unit, fitting codes follow bore diameter codes. (See Table 10.5 in P.51.)
2. Part No. of the applicable grease fitting is A-1/4-28UNF.
3. As for the dimensions and forms of applicable bearings, see the dimensional tables of ball bearing for unit.

NCPAN
Cylindrical bore
(with concentric locking collar)
d 20 ~ 35 mm



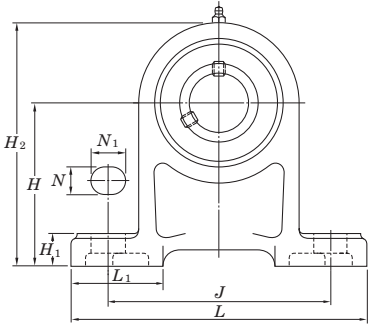
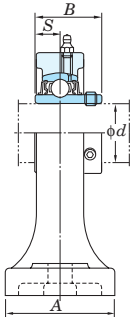
Variations of tolerance of distance from mounting bottom to center of spherical bore (ΔH_s) and variations of tolerance of distance between centers of bolt holes (ΔJ_s)

Unit: mm		
Housing No.	ΔH_s	ΔJ_s
PAN204~PAN207	±0.15	±0.5

Shaft Dia. mm inch		Dimensions inch mm											Unit No.	Housing No.	Bearing No.	Basic Load Ratings kN		Factor	Mass
<i>d</i>		<i>H</i>	<i>L</i>	<i>A</i>	<i>J</i>	<i>N</i>	<i>H</i> ₂	<i>H</i> ₃	<i>L</i> ₁	<i>B</i> ₁	<i>S</i>	<i>d</i> ₁				<i>C</i> _r	<i>C</i> _{0r}	<i>f</i> ₀	kg
20	3/4	1 5/16	2 9/16	1 1/4	2	3/8-16UNC	2 17/32	1/2	7/8	1 9/32	0.500	1 3/4	NCPAN204-12	PAN204	NC204-12	12.8	6.65	13.2	0.7
		33.3	65	32	50.8		64	12.7	22	32.5	12.7	44.5	NCPAN204		NC204				
25	7/8	1 7/16	2 3/4	1 13/32	2	3/8-16UNC	2 3/4	1/2	15/16	1 7/16	0.563	1 15/16	NCPAN205-14	PAN205	NC205-14	14.0	7.85	13.9	0.85
	15/16	36.5	70	36	50.8		70	13	24	36.5	14.3	49.2	NCPAN205-15		NC205-15				
													NCPAN205		NC205				
	1												NCPAN205-16		NC205-16				
30	1 1/8	1 11/16	3 27/32	1 1/2	3	7/16-14UNC	3 7/32	5/8	1 11/32	1 9/16	0.626	2 3/16	NCPAN206-18	PAN206	NC206-18	19.5	11.3	13.9	1.5
	1 3/16	42.9	98	38	76.2		82	16	34	39.7	15.9	55.6	NCPAN206		NC206				
													NCPAN206-19		NC206-19				
	1 1/4												NCPAN206-20		NC206-20				
35	1 1/4	1 7/8	4 11/32	1 7/8	3 1/4	1/2-13UNC	3 21/32	3/4	1 3/32	1 3/4	0.689	2 7/16	NCPAN207-20	PAN207	NC207-20	25.7	15.4	13.9	2.1
		47.6	110	48	82.6		93	19	28	44.5	17.5	61.9							
	1 3/8	1 7/8	4 11/32	1 7/8	3 1/4	1/2-13UNC	3 21/32	3/4	1 3/32	1 3/4	0.689	2 9/16	NCPAN207-22	PAN207	NC207-22	25.7	15.4	13.9	2.1
	1 7/16	47.6	110	48	82.6		93	19	28	44.5	17.5	65.1	NCPAN207		NC207				
													NCPAN207-23		NC207-23				

Remarks 1. In Part No. of unit, fitting codes follow bore diameter codes. (See Table 10.5 in P.51.)
2. Part No. of the applicable grease fitting is A-1/4-28UNF.
3. As for the dimensions and forms of applicable bearings, see the dimensional tables of ball bearing for unit.

UCPH
Cylindrical bore (with set screws)
d 12 ~ 50 mm



Variations of tolerance of distance from mounting bottom to center of spherical bore (ΔH_2)

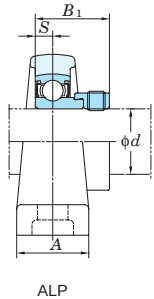
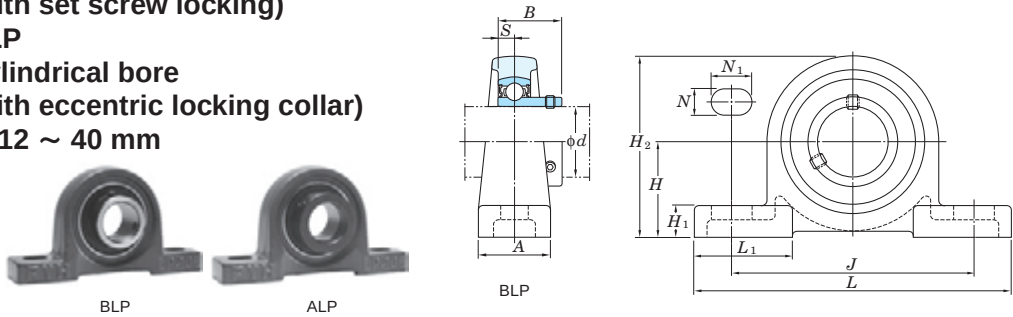
Unit: mm	
Housing No.	ΔH_2
PH204~PH210	±0.15

Shaft Dia. mm inch		Dimensions inch mm											Bolt Size inch mm	Unit No.	Housing No.	Bearing No.	Basic Load Ratings kN		Factor f_0	Mass kg
d		H	L	A	J	N	N_1	H_1	H_2	L_1	B	S					C_r	C_{0r}		
12	1/2	70	127	40	95	13	19	15	101	46	31	12.7	3/8 M10	UCPH201	PH204	UC201	12.8	6.65	13.2	0.96
														UCPH201-8		UC201-8				
														UCPH202		UC202				
														UCPH202-10		UC202-10				
15	5/8	80	140	50	105	13	19	16	114	49	34.1	14.3	3/8 M10	UCPH203	PH205	UC203	14.0	7.85	13.9	0.94
														UCPH204-12		UC204-12				
17	3/4	90	165	60	127	17	21	18	130	56	38.1	15.9	1/2 M14	UCPH204	PH206	UC204	19.5	11.3	13.9	0.93
														UCPH205-14		UC205-14				
20	7/8	100	184	70	137	17	21	20	150	57	49.2	19	1/2 M14	UCPH205	PH207	UC205	25.7	15.4	13.9	0.91
														UCPH206-18		UC206-18				
25	1 1/8	105	190	70	146	17	21	20	158	58	49.2	19	1/2 M14	UCPH206	PH208	UC206	34.1	21.3	14.0	1.2
														UCPH206-19		UC206-19				
30	1 1/4	110	206	70	159	20	22	22	165	65	51.6	19	1/2 M14	UCPH207-20	PH209	UC207-20	35.1	23.3	14.4	1.6
														UCPH207-21		UC207-21				
35	1 5/16	110	206	70	159	20	22	22	165	65	51.6	19	1/2 M14	UCPH207-22	PH210	UC207-22	35.1	23.3	14.4	2.0
														UCPH207-23		UC207-23				
40	1 7/8	110	206	70	159	20	22	22	165	65	51.6	19	1/2 M14	UCPH208	PH210	UC208	35.1	23.3	14.4	2.7
														UCPH208-24		UC208-24				
45	1 9/16	110	206	70	159	20	22	22	165	65	51.6	19	1/2 M14	UCPH208-25	PH210	UC208-25	35.1	23.3	14.4	3.0
														UCPH209		UC209				
50	2	110	206	70	159	20	22	22	165	65	51.6	19	5/8 M16	UCPH209-26	PH210	UC209-26	35.1	23.3	14.4	3.5
														UCPH209-27		UC209-27				
														UCPH209-28		UC209-28				
														UCPH210-30		UC210-30				
														UCPH210-31		UC210-31				
														UCPH210-32		UC210-32				

Remarks 1. In Part No. of unit, fitting codes follow bore diameter codes. (See Table 10.5 in P.51.)
2. Part No. of the applicable grease fitting is A-1/4-28UNF.
3. As for the triple seal type product (from 201 to 205 are the double seal type products), accessory code L3 (or L2) follows Part No. of unit or bearing. (Example of Part No. : UCPH206JL3, UC206L3)

4. As for the dimensions and forms of applicable bearings, see the dimensional tables of ball bearing for unit.
5. Tapered bore (with adapter) type products are also available. (Example of Part No. : UKPH205J + H305X, UK205 + H305X)

BLP
Cylindrical bore
(with set screw locking)
ALP
Cylindrical bore
(with eccentric locking collar)
d 12 ~ 40 mm



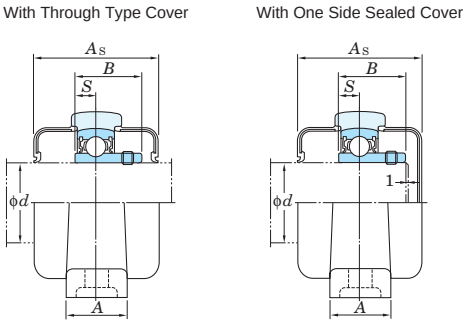
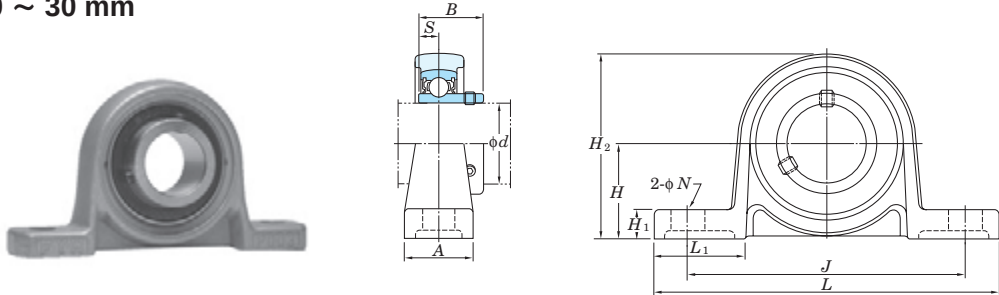
Variations of tolerance of distance from mounting bottom to center of spherical bore (ΔH_0)

Housing No.	Unit: mm ΔH_0
LP203~LP208	± 0.15

Shaft Dia. mm inch		Dimensions inch mm											Bolt Size inch mm	Unit No.	Bearing No.		Unit No.	Bearing No.	Housing No.	Basic Load Ratings kN		Factor	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>S</i>	BLP <i>B</i>	ALP <i>B</i> ₁						<i>C</i> _r	<i>C</i> _{0r}	<i>f</i> ₀	BLP	ALP		
12	1/2 5/8	1 3/16	4 1/2	3 1/32	3 7/16	7/16	5/8	15/32	2 1/4	1 3/8	0.236	0.866	1.122	3/8 M10	BLP201 BLP201-8 BLP202 BLP202-10 BLP203	SB201 SB201-8 SB202 SB202-10 SB203		ALP201 ALP201-8 ALP202 ALP202-10 ALP203	SA201 SA201-8 SA202 SA202-10 SA203	LP203	9.55	4.80	13.2	0.36	0.39
15		30.2	114	25	87	11	16	12	57	35	6	22	28.5												
17																									
20	3/4	1 5/16	4 29/32	1 1/16	3 13/16	7/16	5/8	1/2	2 9/16	1 1/2	0.276	0.984	1.161	3/8 M10	BLP204-12 BLP204	SB204-12 SB204		ALP204-12 ALP204	SA204-12 SA204	LP204	12.8	6.65	13.2	0.51	0.51
25	7/8 15/16	1 7/16	5 1/8	1 5/32	3 15/16	7/16	5/8	1/2	2 25/32	1 17/32	0.295	1.063	1.201	3/8 M10	BLP205-14 BLP205-15 BLP205 BLP205-16	SB205-14 SB205-15 SB205 SB205-16		ALP205-14 ALP205-15 ALP205 ALP205-16	SA205-14 SA205-15 SA205 SA205-16	LP205	14.0	7.85	13.9	0.57	0.61
	1																								
30	1 1/8	1 11/16	6 5/32	1 5/16	4 23/32	9/16	13/16	9/16	3 9/32	1 27/32	0.315	1.181	1.335	1/2 M12	BLP206-18 BLP206 BLP206-19 BLP206-20	SB206-18 SB206 SB206-19 SB206-20		ALP206-18 ALP206 ALP206-19 ALP206-20	SA206-18 SA206 SA206-19 SA206-20	LP206	19.5	11.3	13.9	0.69	0.72
	1 3/16	42.9	156	33	120	14	21	14	83	47	8	30	33.9												
	1 1/4																								
35	1 1/4 1 5/16 1 3/8	1 7/8	6 1/2	1 3/8	5	9/16	13/16	5/8	3 21/32	1 31/32	0.335	1.260	1.437	1/2 M12	BLP207-20 BLP207-22 BLP207 BLP207-23	SB207-20 SB207-22 SB207 SB207-23		ALP207-20 ALP207-21 ALP207-22 ALP207 ALP207-23	SA207-20 SA207-21 SA207-22 SA207 SA207-23	LP207	25.7	15.4	13.9	0.94	1.0
	1 7/16	47.6	165	35	127	14	21	16	93	50	8.5	32	36.5												
40	1 1/2 1 9/16	2	7 1/4	1 15/32	5 1/2	9/16	7/8	23/32	4 1/32	2 5/32	0.354	1.339	1.595	1/2 M12	BLP208-24 BLP208	SB208-24 SB208		ALP208-24 ALP208-25 ALP208	SA208-24 SA208-25 SA208	LP208	29.1	17.8	14.0	1.8	1.9
		50.8	184	37	140	14	22	18	102	55	9	34	40.5												

Remarks 1. In Part No. of unit, fitting codes follow bore diameter codes. (See Table 10.5 in P.51.)
2. Allowable load to housing in radial direction is approximately half of basic load rating of bearing, *C_r* (when safety factor is 4).
3. For the dimensions and forms of applicable bearings, see the dimensional tables of ball bearing for unit.

UP
Cylindrical bore (with set screws)
d 10 ~ 30 mm



Variations of tolerance of distance from mounting bottom to center of spherical bore (ΔH_s) and variations of tolerance of distance between centers of bolt holes (ΔJ_s)

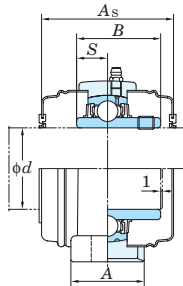
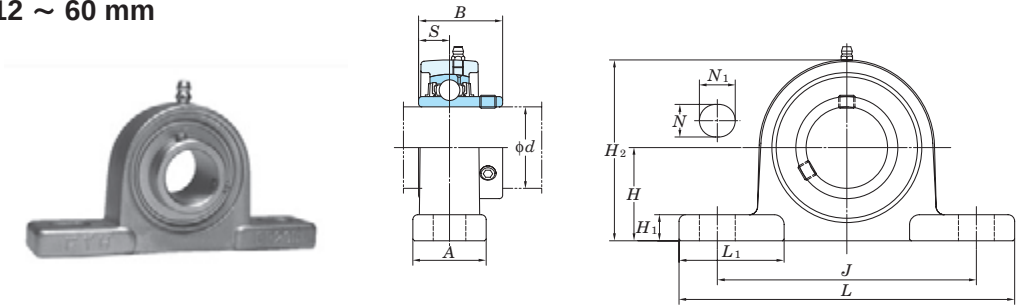
Unit: mm		
Housing No.	ΔH_s	ΔJ_s
P000-P006	±0.15	±0.3

Shaft Dia. mm	Dimensions										Bolt Size	Standard				Mass	Basic		Factor	With Rubber Coated Cover				
	inch mm											Unit No.	Housing No.	Bearing No.	Load Ratings kN		f ₀	Unit No.		Dimension		Mass		
	H	L	A	J	N	H ₁	H ₂	L ₁	B	S								mm		inch	mm		inch	kg
d	H	L	A	J	N	H ₁	H ₂	L ₁	B	S	inch mm				kg	C _r	C _{0r}	f ₀	Open Type	One Side Closed Type				
10	⁴⁵ / ₆₄	2 ⁵ / ₈	⁵ / ₈	2 ³ / ₃₂	⁹ / ₃₂	¹ / ₄	1 ³ / ₈	²³ / ₃₂	0.591	0.197	¹ / ₄	UP000	P000	SU000	0.070	4.55	1.95	12.3	UP000C	UP000CD	29	1 ⁵ / ₃₂	0.07	
	18	67	16	53	7	6	35	18	15	5	M6													
12	³ / ₄	2 ²⁵ / ₃₂	⁵ / ₈	2 ¹³ / ₆₄	⁹ / ₃₂	¹ / ₄	1 ¹ / ₂	³ / ₄	0.591	0.197	¹ / ₄	UP001	P001	SU001	0.090	5.10	2.40	13.2	UP001C	UP001CD	29	1 ⁵ / ₃₂	0.09	
	19	71	16	56	7	6	38	19	15	5	M6													
15	⁵⁵ / ₆₄	3 ⁵ / ₃₂	⁵ / ₈	2 ³¹ / ₆₄	⁹ / ₃₂	⁹ / ₃₂	1 ¹¹ / ₁₆	¹³ / ₁₆	0.650	0.217	¹ / ₄	UP002	P002	SU002	0.11	5.60	2.85	13.9	UP002C	UP002CD	31	1 ⁷ / ₃₂	0.11	
	22	80	16	63	7	7	43	21	16.5	5.5	M6													
17	¹⁵ / ₁₆	3 ¹¹ / ₃₂	²³ / ₃₂	2 ⁴¹ / ₆₄	⁹ / ₃₂	⁹ / ₃₂	1 ²⁷ / ₃₂	¹³ / ₁₆	0.689	0.236	¹ / ₄	UP003	P003	SU003	0.15	6.00	3.25	14.4	UP003C	UP003CD	33	1 ⁵ / ₁₆	0.15	
	24	85	18	67	7	7	47	21	17.5	6	M6													
20	1 ⁷ / ₆₄	3 ¹⁵ / ₁₆	²⁵ / ₃₂	3 ⁵ / ₃₂	¹³ / ₃₂	¹¹ / ₃₂	2 ⁵ / ₃₂	³¹ / ₃₂	0.827	0.276	⁵ / ₁₆	UP004	P004	SU004	0.23	9.40	5.05	13.9	UP004C	UP004CD	38	1 ¹ / ₂	0.23	
	28	100	20	80	10	9	55	25	21	7	M8													
25	1 ¹⁷ / ₆₄	4 ¹³ / ₃₂	²⁵ / ₃₂	3 ³⁵ / ₆₄	¹³ / ₃₂	¹³ / ₃₂	2 ⁷ / ₁₆	1 ³ / ₃₂	0.866	0.276	⁵ / ₁₆	UP005	P005	SU005	0.28	10.1	5.85	14.5	UP005C	UP005CD	40	1 ⁹ / ₁₆	0.28	
	32	112	20	90	10	10	62	28	22	7	M8													
30	1 ²⁷ / ₆₄	5 ³ / ₁₆	1 ¹ / ₃₂	4 ¹¹ / ₆₄	¹ / ₂	⁷ / ₁₆	2 ³ / ₄	1 ¹¹ / ₃₂	0.965	0.295	³ / ₈	UP006	P006	SU006	0.42	13.2	8.25	14.7	UP006C	UP006CD	44	1 ²³ / ₃₂	0.42	
	36	132	26	106	13	11	70	34	24.5	7.5	M10													

Remarks 1. In Part No. of unit and units with covers, fitting codes follow bore diameter codes. (See Table 10.5 in P.51.)
2. For the dimensions and forms of applicable bearings, see the dimensional tables of ball bearing for unit.

UCSP-H1S6
Cylindrical bore (with set screws)
d 12 ~ 60 mm

With Pressed Stainless Steel Cover



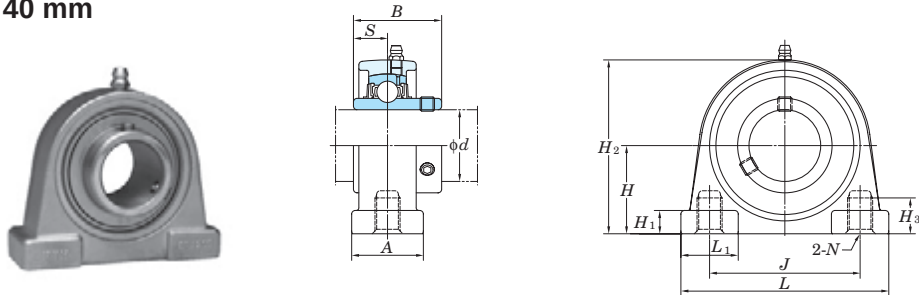
Variations of tolerance of distance from mounting bottom to center of spherical bore (ΔH_b)

Housing No.	Unit: mm	
	ΔH_b	
	mm	
SP203H1-SP210H1	±0.15	
SP211H1-SP212H1	±0.2	

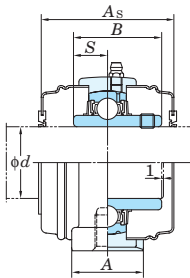
Shaft Dia. mm inch		Dimensions inch mm											Bolt Size inch mm	Standard				Mass kg	Basic Load Ratings kN		Factor f ₀	With Pressed Stainless Steel Cover			
														Unit No.	Housing No.	Bearing No.			C _r	C _{0r}		Unit No.		Dimension mm inch	
d		H	L	A	J	N	N ₁	H ₁	H ₂	L ₁	B	S													
12	1/2 5/8	1 3/16	5	1 3/16	3 3/4	1/2	23/32	7/16	2 7/32	1 21/32	1.079	0.453	3/8 M10	UCSP201XH1S6	SP203H1	UC201XS6				—	—	—	—		
15		30.2	127	30	95	13	18	11	56	42	27.4	11.5		UCSP201-8XH1S6		UC201-8XS6				—	—	—	—		
														UCSP202XH1S6		UC202XS6				—	—	—	—		
														UCSP202-10XH1S6		UC202-10XS6				—	—	—	—		
17	3/4	1 5/16	5	1 3/16	3 3/4	1/2	23/32	7/16	2 15/32	1 21/32	1.220	0.500	3/8 M10	UCSP203XH1S6	SP204H1	UC203XS6				—	—	—	—		
20		33.3	127	30	95	13	18	11	63	42	31	12.7		UCSP204H1S6		UC204-12S6				UCSP204H1CS6	UCSP204H1CDS6	45	1 25/32	0.6	
														UCSP204H1S6		UC204S6									
25	7/8 15/16	1 7/16	5 1/2	1 3/16	4 1/8	1/2	3/4	15/32	2 23/32	1 13/16	1.343	0.563	3/8 M10	UCSP205-14H1S6	SP205H1	UC205-14S6				—	—	—	—		
	1	36.5	140	30	105	13	19	12	69	46	34.1	14.3		UCSP205-15H1S6		UC205-15S6				—	—	—	—		
														UCSP205H1S6		UC205S6				UCSP205H1CS6	UCSP205H1CDS6	49	1 15/16	0.7	
																UCSP205-16H1S6	UC205-16S6				—	—	—	—	
30	1 1/8	1 11/16	6 1/2	1 13/32	4 3/4	21/32	13/16	1/2	3 3/16	2 1/8	1.500	0.626	1/2 M14	UCSP206-18H1S6	SP206H1	UC206-18S6				—	—	—	—		
	1 3/16	42.9	165	36	121	17	21	13	81	54	38.1	15.9		UCSP206H1S6		UC206S6				UCSP206H1CS6	UCSP206H1CDS6	53	2 3/32	1.1	
														UCSP206-19H1S6		UC206-19S6				—	—	—	—		
		1 1/4														UCSP206-20H1S6	UC206-20S6				—	—	—	—	
35	1 1/4 1 5/16 1 3/8	1 7/8	6 9/16	1 1/2	5	21/32	13/16	9/16	3 19/32	2	1.689	0.689	1/2 M14	UCSP207-20H1S6	SP207H1	UC207-20S6				—	—	—	—		
	1 7/16	47.6	167	38	127	17	21	14	91	51	42.9	17.5		UCSP207-21H1S6		UC207-21S6				—	—	—	—		
														UCSP207-22H1S6		UC207-22S6				—	—	—	—		
														UCSP207H1S6		UC207S6				UCSP207H1CS6	UCSP207H1CDS6	60	2 3/8	1.4	
40	1 1/2 1 9/16	1 15/16	7 1/4	1 9/16	5 13/32	21/32	13/16	9/16	3 13/16	2 3/8	1.937	0.748	1/2 M14	UCSP207-23H1S6	SP207H1	UC207-23S6				—	—	—	—		
	1 1/2	49.2	184	40	137	17	21	14	97	60	49.2	19		UCSP208-24H1S6		UC208-24S6				—	—	—	—		
														UCSP208-25H1S6		UC208-25S6				—	—	—	—		
														UCSP208H1S6		UC208S6				UCSP208H1CS6	UCSP208H1CDS6	69	2 23/32	1.7	
45	1 5/8 1 11/16 1 3/4	2 1/8	7 15/32	1 9/16	5 3/4	21/32	13/16	19/32	4 3/32	2 13/32	1.937	0.748	1/2 M14	UCSP208-26H1S6	SP208H1	UC208-26S6				—	—	—	—		
	1 3/4	54	190	40	146	17	21	15	104	61	49.2	19		UCSP209-27H1S6		UC209-27S6				—	—	—	—		
														UCSP209-28H1S6		UC209-28S6				—	—	—	—		
														UCSP209H1S6		UC209S6				UCSP209H1CS6	UCSP209H1CDS6	69	2 23/32	2.0	
50	1 7/8 1 15/16	2 1/4	8 1/8	1 25/32	6 1/4	25/32	7/8	5/8	4 3/8	2 9/16	2.031	0.748	5/8 M16	UCSP210-30H1S6	SP210H1	UC210-30S6				—	—	—	—		
	2	57.2	206	45	159	20	22	16	111	65	51.6	19		UCSP210-31H1S6		UC210-31S6				—	—	—	—		
														UCSP210H1S6		UC210S6				—	—	—	—		
														UCSP210-32H1S6		UC210-32S6				UCSP210H1CS6	UCSP210H1CDS6	74	2 29/32	2.5	
55	2 2 1/8	2 1/2	8 5/8	1 7/8	6 23/32	25/32	7/8	5/8	4 29/32	2 3/4	2.189	0.874	5/8 M16	UCSP211-32H1S6	SP211H1	UC211-32S6				—	—	—	—		
	2 3/16	63.5	219	48	171	20	22	16	125	70	55.6	22.2		UCSP211-34H1S6		UC211-34S6				—	—	—	—		
														UCSP211H1S6		UC211S6				UCSP211H1CS6	UCSP211H1CDS6	75	2 15/16	3.4	
														UCSP211-35H1S6		UC211-35S6				—	—	—	—		
60	2 1/4 2 3/8 2 7/16	2 3/4	9 1/2	2 5/32	7 1/4	25/32	31/32	7/8	5 7/16	3	2.563	1.000	5/8 M16	UCSP212-36H1S6	SP212H1	UC212-36S6				—	—	—	—		
	2 3/8	69.8	241	55	184	20	25	17	138	76	65.1	25.4		UCSP212H1S6		UC212S6				UCSP212H1CS6	UCSP212H1CDS6	88	3 15/32	4.5	
														UCSP212-38H1S6		UC212-38S6				—	—	—	—		
														UCSP212-39H1S6		UC212-39S6				—	—	—	—		

Remarks 1. In Part No. of unit and units with covers, fitting codes follow bore diameter codes. (See Table 10.5 in P.51.)
2. Part No. of the applicable grease fitting is shown below.
A-1/4-28UNFN12201X~210
A-R1/8N12211~212
3. For the dimensions and forms of applicable bearings, see the dimensional tables of ball bearing for unit.

UCSPA-H1S6
Cylindrical bore (with set screws)
d 12 ~ 40 mm



With Pressed Stainless Steel Cover



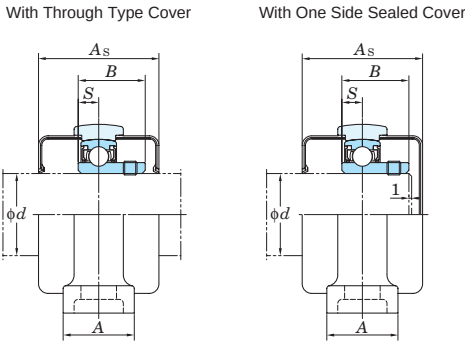
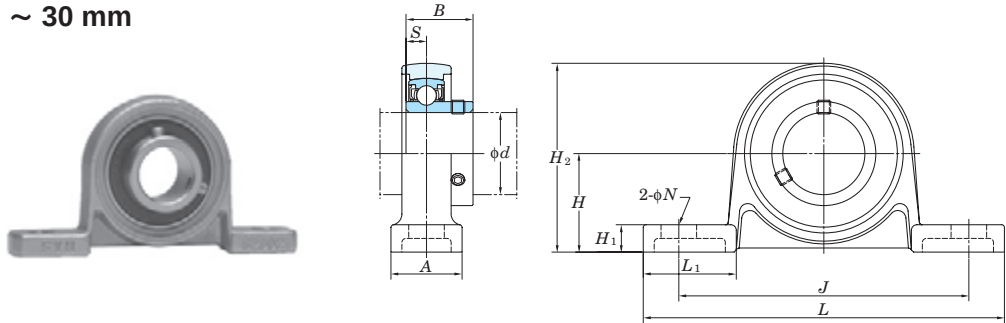
Variations of tolerance of distance from mounting bottom to center of spherical bore (ΔH_s) and variations of tolerance of distance between centers of bolt holes (ΔJ_s)

Unit: mm		
Housing No.	ΔH_s	ΔJ_s
SPA203H1~SPA208H1	±0.15	±0.5

Shaft Dia. mm inch		Dimensions inch mm										Standard				Mass	Basic		Factor	With Pressed Stainless Steel Cover			
												Unit No.	Housing No.	Bearing No.			Load Ratings kN			Open Type	One Side Closed Type	Dimension mm inch	
<i>d</i>	<i>H</i>	<i>L</i>	<i>A</i>	<i>J</i>	<i>N</i>	<i>H</i> ₁	<i>H</i> ₂	<i>L</i> ₁	<i>B</i>	<i>S</i>	kg					<i>C</i> _r	<i>C</i> _{0r}	<i>f</i> ₀	<i>A</i> _s			kg	
12	1/2 5/8	1 3/16 30.2	3 76	1 3/16 30	2 3/64 52	M10×1.5	13/32 10	2 1/4 57	7/8 22	1.079 27.4	0.453 11.5	UCSPA201XH1S6	SPA203H1	UC201XS6	0.43	8.15	3.85	13.2	—	—	—	—	
15												UCSPA201-8XH1S6		UC201-8XS6					—	—	—		
												UCSPA202XH1S6		UC202XS6					—	—	—		
												UCSPA202-10XH1S6		UC202-10XS6					—	—	—		
17												UCSPA203XH1S6		UC203XS6									
20	3/4	1 3/16 30.2	3 76	1 3/16 30	2 3/64 52	M10×1.5	13/32 10	2 3/8 60	7/8 22	1.220 31	0.500 12.7	UCSPA204-12H1S6	SPA204H1	UC204-12S6	0.47	10.9	5.35	13.2	—	—	—	—	
												UCSPA204H1S6		UC204S6					UCSPA204H1CS6	UCSPA204H1CDS6	45	1 25/32	0.46
25	7/8 15/16	1 7/16 36.5	3 5/16 84	1 3/16 30	2 13/64 56	M10×1.5	15/32 12	2 23/32 69	15/16 24	1.343 34.1	0.563 14.3	UCSPA205-14H1S6	SPA205H1	UC205-14S6	0.63	11.9	6.3	13.9	—	—	—	—	
	UCSPA205-15H1S6											UC205-15S6		—					—	—			
	UCSPA205H1S6											UC205S6		UCSPA205H1CS6					UCSPA205H1CDS6	49	1 15/16	0.63	
	UCSPA205-16H1S6											UC205-16S6		—					—	—			
30	1 1/8 1 3/16 1 1/4	1 11/16 42.9	3 11/16 94	1 13/32 36	2 19/32 66	M14×2	15/32 12	3 3/16 81	1 3/32 28	1.500 38.1	0.626 15.9	UCSPA206-18H1S6	SPA206H1	UC206-18S6	0.91	16.5	9.05	13.9	—	—	—	—	
	UCSPA206H1S6											UC206S6		UCSPA206H1CS6					UCSPA206H1CDS6	53	2 3/32	0.91	
	UCSPA206-19H1S6											UC206-19S6		—					—	—			
	UCSPA206-20H1S6											UC206-20S6		—					—	—			
35	1 1/4 1 5/16 1 3/8 1 7/16	1 7/8 47.6	3 11/32 110	1 1/2 38	3 5/32 80	M14×2	1/2 13	3 19/32 91	1 3/16 30	1.689 42.9	0.689 17.5	UCSPA207-20H1S6	SPA207H1	UC207-20S6	1.3	21.8	12.3	13.9	—	—	—	—	
	UCSPA207-21H1S6											UC207-21S6		—					—	—			
	UCSPA207-22H1S6											UC207-22S6		—					—	—			
	UCSPA207H1S6											UC207S6		UCSPA207H1CS6					UCSPA207H1CDS6	60	2 3/8	1.3	
	UCSPA207-23H1S6											UC207-23S6		—					—	—			
40	1 1/2 1 9/16	1 15/16 49.2	4 9/16 116	1 9/16 40	3 5/16 84	M14×2	1/2 13	3 13/16 97	1 1/4 32	1.937 49.2	0.748 19	UCSPA208-24H1S6	SPA208H1	UC208-24S6	1.6	24.8	14.3	14.0	—	—	—	—	
	UCSPA208-25H1S6											UC208-25S6		—					—	—			
	UCSPA208H1S6											UC208S6		UCSPA208H1CS6					UCSPA208H1CDS6	69	2 23/32	1.5	

Remarks 1. In Part No. of unit and units with covers, fitting codes follow bore diameter codes. (See Table 10.5 in P.51.)
2. Part No. of the applicable grease fitting is A-1/4-28UNFN12.
3. For the dimensions and forms of applicable bearings, see the dimensional tables of ball bearing for unit.

USP-S6
Cylindrical bore (with set screws)
d 10 ~ 30 mm



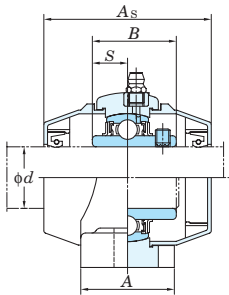
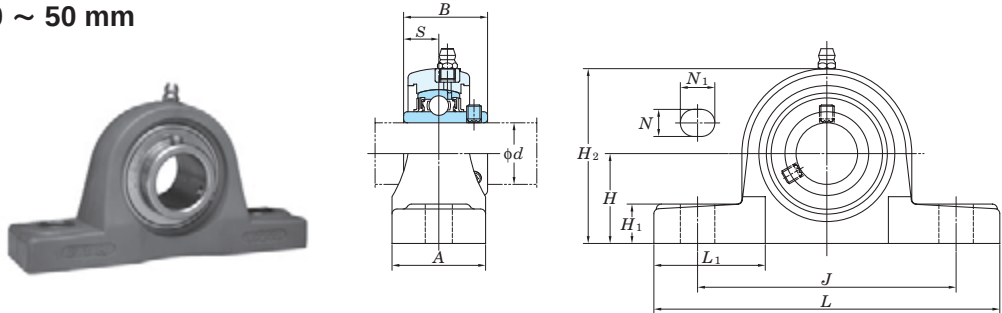
Variations of tolerance of distance from mounting bottom to center of spherical bore (ΔH_s) and variations of tolerance of distance between centers of bolt holes (ΔJ_s)

Unit: mm		
Housing No.	ΔH_s	ΔJ_s
SP000-SP006	±0.15	±0.3

Shaft Dia. mm	Dimensions										Bolt Size	Standard				Mass	Basic		Factor	With Rubber Coated Cover				
	inch											Unit No.	Housing No.	Bearing No.	Load Ratings kN		Open Type	One Side Closed Type		Dimension		Mass		
	mm																			mm	inch		kg	
<i>d</i>	<i>H</i>	<i>L</i>	<i>A</i>	<i>J</i>	<i>N</i>	<i>H</i> ₁	<i>H</i> ₂	<i>L</i> ₁	<i>B</i>	<i>S</i>	inch mm				kg	<i>C</i> _r	<i>C</i> _{0r}	<i>f</i> ₀			<i>A</i> _s		kg	
10	⁴⁵ / ₆₄	2 ⁵ / ₈	⁵ / ₈	2 ³ / ₃₂	⁹ / ₃₂	³ / ₁₆	1 ³ / ₈	²³ / ₃₂	0.591	0.197	¹ / ₄	USP000S6	SP000	SU000S6	0.076	3.9	1.55	12.3	USP000CS6	USP000CDS6	29	1 ⁵ / ₃₂	0.08	
	18	67	16	53	7	5	35	18	15	5	M6													
12	³ / ₄	2 ²⁵ / ₃₂	⁵ / ₈	2 ⁷ / ₃₂	⁹ / ₃₂	³ / ₁₆	1 ¹⁵ / ₃₂	²³ / ₃₂	0.591	0.197	¹ / ₄	USP001S6	SP001	SU001S6	0.08	4.3	1.9	13.2	USP001CS6	USP001CDS6	29	1 ⁵ / ₃₂	0.08	
	19	71	16	56	7	5	37	18.5	15	5	M6													
15	⁵⁵ / ₆₄	3 ⁵ / ₃₂	⁵ / ₈	2 ¹⁵ / ₃₂	⁹ / ₃₂	¹ / ₄	1 ¹¹ / ₁₆	¹³ / ₁₆	0.650	0.217	¹ / ₄	USP002S6	SP002	SU002S6	0.11	4.7	2.25	13.9	USP002CS6	USP002CDS6	31	1 ⁷ / ₃₂	0.11	
	22	80	16	63	7	6	42.5	20.5	16.5	5.5	M6													
17	¹⁵ / ₁₆	3 ¹¹ / ₃₂	²³ / ₃₂	2 ⁵ / ₈	⁹ / ₃₂	¹ / ₄	1 ¹³ / ₁₆	¹³ / ₁₆	0.689	0.236	¹ / ₄	USP003S6	SP003	SU003S6	0.14	5.1	2.6	14.4	USP003CS6	USP003CDS6	33	1 ⁵ / ₁₆	0.14	
	24	85	18	67	7	6	46	21	17.5	6	M6													
20	1 ⁷ / ₆₄	3 ¹⁵ / ₁₆	²⁵ / ₃₂	3 ⁵ / ₃₂	¹³ / ₃₂	⁵ / ₁₆	2 ⁵ / ₃₂	³¹ / ₃₂	0.827	0.276	⁵ / ₁₆	USP004S6	SP004	SU004S6	0.23	7.9	4	13.9	USP004CS6	USP004CDS6	38	1 ¹ / ₂	0.23	
	28	100	20	80	10	8	54.5	25	21	7	M8													
25	1 ¹⁷ / ₆₄	4 ¹³ / ₃₂	²⁵ / ₃₂	3 ¹⁷ / ₃₂	¹³ / ₃₂	¹¹ / ₃₂	2 ¹³ / ₃₂	1 ³ / ₃₂	0.866	0.276	⁵ / ₁₆	USP005S6	SP005	SU005S6	0.28	8.5	4.65	14.5	USP005CS6	USP005CDS6	40	1 ⁹ / ₁₆	0.28	
	32	112	20	90	10	9	61	27.5	22	7	M8													
30	1 ²⁷ / ₆₄	5 ³ / ₁₆	1 ¹ / ₃₂	4 ³ / ₁₆	¹ / ₂	¹³ / ₃₂	2 ²³ / ₃₂	1 ¹¹ / ₃₂	0.965	0.295	³ / ₈	USP006S6	SP006	SU006S6	0.43	11.2	6.5	14.7	USP006CS6	USP006CDS6	44	1 ²³ / ₃₂	0.43	
	36	132	26	106	13	10	69	34	24.5	7.5	M10													

Remarks 1. In Part No. of unit and units with covers, fitting codes follow bore diameter codes. (See Table 10.5 in P.51.)
2. For the dimensions and forms of applicable bearings, see the dimensional tables of ball bearing for unit.

UCVP-S6
Cylindrical bore (with set screws)
d 20 ~ 50 mm



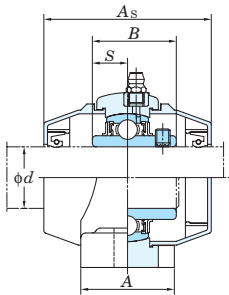
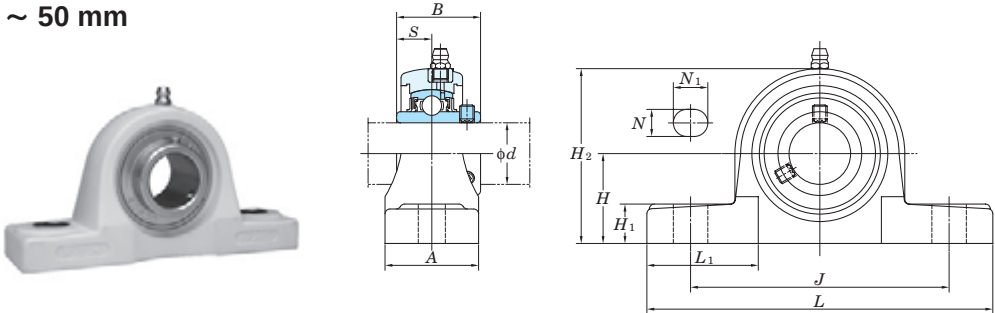
Variations of tolerance of distance from mounting bottom to center of spherical bore (ΔH_s)

Unit: mm	
Housing No.	ΔH_s
VP204~VP208	±0.15

Shaft Dia. mm inch		Dimensions inch mm										Bolt Size inch mm	Standard				Mass kg	Basic Load Ratings kN		Factor <i>f</i> ₀	With Plastic Cover				
		<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>B</i>	<i>S</i>		Unit No.	Housing No.	Bearing No.	<i>C</i> _r		<i>C</i> _{0r}	Open Type		One Side Closed Type	Dimension mm inch	Mass kg		
<i>d</i>																									
20	3/4	1 5/16 33.3	5 127	1 1/2 38	3 3/4 95	7/16 11	9/16 14	9/16 14.2	2 19/32 65.5	1.220 31	0.500 12.7	3/8 M10	UCVP204-12S6 UCVP204S6	VP204	UC204-12S6 UC204S6		0.29	10.9	5.35	13.2	UCVP204-12CS6 UCVP204CS6	UCVP204-12CDS6 UCVP204CDS6	63	2 15/32	0.31
	7/8 15/16	1 7/16 36.5	5 17/32 140.5	1 1/2 38	4 1/8 105	7/16 11	9/16 14	5/8 16	2 25/32 71	1.343 34.1	0.563 14.3	3/8 M10	UCVP205-14S6 UCVP205-15S6 UCVP205S6 UCVP205-16S6	VP205	UC205-14S6 UC205-15S6 UC205S6 UC205-16S6		0.41	11.9	6.3	13.9	UCVP205-14CS6 UCVP205-15CS6 UCVP205CS6 UCVP205-16CS6	UCVP205-14CDS6 UCVP205-15CDS6 UCVP205CDS6 UCVP205-16CDS6	68	2 11/16	0.43
30	1 1/8	1 11/16 42.9	6 13/32 163	1 13/16 46	4 11/16 119	9/16 14	23/32 18	11/16 17.8	3 5/16 84	1.500 38.1	0.626 15.9	1/2 M12	UCVP206-18S6 UCVP206S6 UCVP206-19S6 UCVP206-20S6	VP206	UC206-18S6 UC206S6 UC206-19S6 UC206-20S6		0.6	16.5	9.05	13.9	UCVP206-18CS6 UCVP206CS6 UCVP206-19CS6 UCVP206-20CS6	UCVP206-18CDS6 UCVP206CDS6 UCVP206-19CDS6 UCVP206-20CDS6	79	3 1/8	0.63
	1 3/16 1 1/4												UCVP207-20S6 UCVP207-21S6 UCVP207-22S6 UCVP207S6 UCVP207-23S6	VP207	UC207-20S6 UC207-21S6 UC207-22S6 UC207S6 UC207-23S6		0.84	21.8	12.3	13.9	UCVP207-20CS6 UCVP207-21CS6 UCVP207-22CS6 UCVP207CS6 UCVP207-23CS6	UCVP207-20CDS6 UCVP207-21CDS6 UCVP207-22CDS6 UCVP207CDS6 UCVP207-23CDS6	85	3 11/32	0.89
40	1 1/2 9/16	1 15/16 49.2	7 1/4 184	2 1/8 54	5 13/32 137	9/16 14	23/32 18	25/32 19.5	3 31/32 101	1.937 49.2	0.748 19	1/2 M12	UCVP208-24S6 UCVP208-25S6 UCVP208S6	VP208	UC208-24S6 UC208-25S6 UC208S6		1.1	24.8	14.3	14.0	UCVP208-24CS6 UCVP208-25CS6 UCVP208CS6	UCVP208-24CDS6 UCVP208-25CDS6 UCVP208CDS6	96	3 25/32	1.10
	1 5/8 1 11/16 3/4	2 1/8 54	7 9/16 192	2 1/8 54	5 3/4 146	21/32 17	25/32 20	29/32 23	4 3/16 106	1.937 49.2	0.748 19	5/8 M14	UCVP209-26S6 UCVP209-27S6 UCVP209-28S6 UCVP209S6	VP209	UC209-26S6 UC209-27S6 UC209-28S6 UC209S6		1.2	27.8	16.2	14.0	UCVP209-26CS6 UCVP209-27CS6 UCVP209-28CS6 UCVP209CS6	UCVP209-26CDS6 UCVP209-27CDS6 UCVP209-28CDS6 UCVP209CDS6	107	4 7/32	1.26
50	1 7/8 1 15/16	2 1/4 57.2	8 1/8 206	2 3/8 60	6 1/4 159	21/32 17	25/32 20	29/32 23	4 1/2 114	2.031 51.6	0.748 19	5/8 M14	UCVP210-30S6 UCVP210-31S6 UCVP210S6 UCVP210-32S6	VP210	UC210-30S6 UC210-31S6 UC210S6 UC210-32S6		1.4	29.8	18.6	14.4	UCVP210-30CS6 UCVP210-31CS6 UCVP210CS6 UCVP210-32CS6	UCVP210-30CDS6 UCVP210-31CDS6 UCVP210CDS6 UCVP210-32CDS6	120	4 23/32	1.46
	2																								

Remarks 1. In Part No. of unit and units with covers, fitting codes follow bore diameter numbers. (See Table 10.5 in P.51.)
2. Part No. of the applicable grease fitting is A-1/4-28UNFN12.
3. For the dimensions and forms of applicable bearings, see the dimensional tables of ball bearing for unit.

UCVP-ES7
Cylindrical bore (with set screws)
d 20 ~ 50 mm



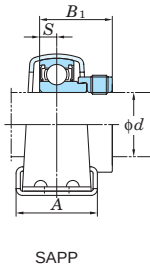
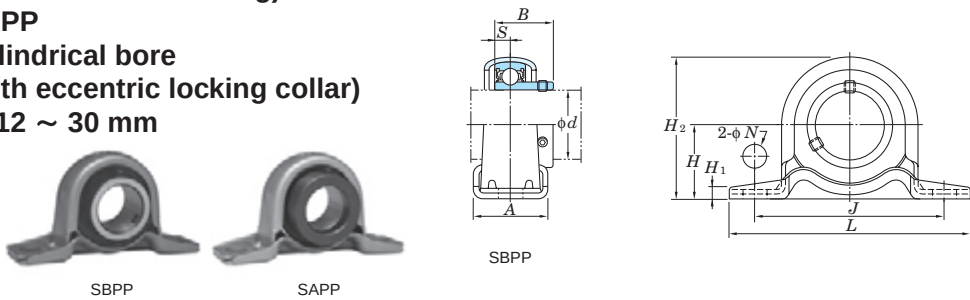
Variations of tolerance of distance from mounting bottom to center of spherical bore (ΔH_s)

Unit: mm	
Housing No.	ΔH_s
VP204E~VP208E	±0.15

Shaft Dia.		Dimensions										Bolt	Standard				Mass	Basic		Factor	With Plastic Cover			
mm	inch	inch mm										Size	Unit	Housing	Bearing	Load Ratings			Dimension				Mass	
<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>B</i>	<i>S</i>	inch mm	No.	No.	No.	kg	<i>C</i> _r	<i>C</i> _{0r}	<i>f</i> ₀	Open Type	One Side Closed Type	mm	inch	kg
20	3/4	1 5/16 33.3	5 127	1 1/2 38	3 3/4 95	7/16 11	9/16 14	9/16 14.2	2 19/32 65.5	1.220 31	0.500 12.7	3/8 M10	UCVP204-12ES7 UCVP204ES7	VP204E	UC204-12S7 UC204S7	0.29	12.8	6.65	13.2	UCVP204-12ECS7 UCVP204ECS7	UCVP204-12ECDS7 UCVP204ECDS7	63	2 15/32	0.31
25	7/8 15/16	1 7/16 36.5	5 17/32 140.5	1 1/2 38	4 1/8 105	7/16 11	9/16 14	5/8 16	2 25/32 71	1.343 34.1	0.563 14.3	3/8 M10	UCVP205-14ES7 UCVP205-15ES7 UCVP205ES7 UCVP205-16ES7	VP205E	UC205-14S7 UC205-15S7 UC205S7 UC205-16S7	0.41	14.0	7.85	13.9	UCVP205-14ECS7 UCVP205-15ECS7 UCVP205ECS7 UCVP205-16ECS7	UCVP205-14ECDS7 UCVP205-15ECDS7 UCVP205ECDS7 UCVP205-16ECDS7	68	2 11/16	0.43
30	1 1/8 1 3/16 1 1/4	1 11/16 42.9	6 13/32 163	1 13/16 46	4 11/16 119	9/16 14	23/32 18	11/16 17.8	3 5/16 84	1.500 38.1	0.626 15.9	1/2 M12	UCVP206-18ES7 UCVP206ES7 UCVP206-19ES7 UCVP206-20ES7	VP206E	UC206-18S7 UC206S7 UC206-19S7 UC206-20S7	0.6	19.5	11.3	13.9	UCVP206-18ECS7 UCVP206ECS7 UCVP206-19ECS7 UCVP206-20ECS7	UCVP206-18ECDS7 UCVP206CDS7 UCVP206-19ECDS7 UCVP206-20ECDS7	79	3 1/8	0.63
35	1 1/4 1 5/16 1 3/8 1 7/16	1 7/8 47.6	6 5/8 168	1 7/8 48	5 127	9/16 14	23/32 18	23/32 18	3 23/32 94.5	1.689 42.9	0.689 17.5	1/2 M12	UCVP207-20ES7 UCVP207-21ES7 UCVP207-22ES7 UCVP207ES7 UCVP207-23ES7	VP207E	UC207-20S7 UC207-21S7 UC207-22S7 UC207S7 UC207-23S7	0.84	25.7	15.4	13.9	UCVP207-20ECS7 UCVP207-21ECS7 UCVP207-22ECS7 UCVP207ECS7 UCVP207-23ECS7	UCVP207-20ECDS7 UCVP207-21ECDS7 UCVP207-22ECDS7 UCVP207ECDS7 UCVP207-23ECDS7	85	3 11/32	0.89
40	1 1/2 1 9/16	1 15/16 49.2	7 1/4 184	2 1/8 54	5 13/32 137	9/16 14	23/32 18	25/32 19.5	3 31/32 101	1.937 49.2	0.748 19	1/2 M12	UCVP208-24ES7 UCVP208-25ES7 UCVP208ES7	VP208E	UC208-24S7 UC208-25S7 UC208S7	1.1	29.1	17.8	14.0	UCVP208-24ECS7 UCVP208-25ECS7 UCVP208ECS7	UCVP208-24ECDS7 UCVP208-25ECDS7 UCVP208ECDS7	96	3 25/32	1.10
45	1 5/8 1 11/16 1 3/4	2 1/8 54	7 9/16 192	2 1/8 54	5 3/4 146	21/32 17	25/32 20	29/32 23	4 3/16 106	1.937 49.2	0.748 19	5/8 M14	UCVP209-26ES7 UCVP209-27ES7 UCVP209-28ES7 UCVP209ES7	VP209E	UC209-26S7 UC209-27S7 UC209-28S7 UC209S7	1.2	34.1	21.3	14.0	UCVP209-26ECS7 UCVP209-27ECS7 UCVP209-28ECS7 UCVP209ECS7	UCVP209-26ECDS7 UCVP209-27ECDS7 UCVP209-28ECDS7 UCVP209ECDS7	107	4 7/32	1.26
50	1 7/8 1 15/16 2	2 1/4 57.2	8 1/8 206	2 3/8 60	6 1/4 159	21/32 17	25/32 20	29/32 23	4 1/2 114	2.031 51.6	0.748 19	5/8 M14	UCVP210-30ES7 UCVP210-31ES7 UCVP210ES7 UCVP210-32ES7	VP210E	UC210-30S7 UC210-31S7 UC210S7 UC210-32S7	1.4	35.1	23.3	14.4	UCVP210-30ECS7 UCVP210-31ECS7 UCVP210ECS7 UCVP210-32ECS7	UCVP210-30ECDS7 UCVP210-31ECDS7 UCVP210ECDS7 UCVP210-32ECDS7	120	4 23/32	1.46

Remarks 1. In Part No. of unit and units with covers, fitting codes follow bore diameter numbers. (See Table 10.5 in P.51.)
2. Part No. of the applicable grease fitting is A-1/4-28UNFN12.
3. For the dimensions and forms of applicable bearings, see the dimensional tables of ball bearing for unit.

SBPP
Cylindrical bore
(with set screw locking)
SAPP
Cylindrical bore
(with eccentric locking collar)
d 12 ~ 30 mm



Variations of tolerance of distance between centers of bolt holes (ΔJ_s) and variations of tolerance of bolt hole diameter (ΔN_s)

Unit: mm		
Housing No.	ΔJ_s	ΔN_s
PP203-PP206	±0.4	±0.5

Shaft Dia mm inch		Dimensions inch mm										Bolt Size inch mm	Unit No.	Bearing No.		Unit No.	Bearing No.	Housing No.	Basic Load Ratings kN		Factor <i>f</i> ₀	Mass kg	
<i>d</i>		<i>H</i>	<i>L</i>	<i>A</i>	<i>J</i>	<i>N</i>	<i>H</i> ₁	<i>H</i> ₂	<i>S</i>	SBPP <i>B</i>	SAPP <i>B</i> ₁								<i>C</i> _r	<i>C</i> _{0r}		SBPP	SAPP
12	1/2												SBPP201	SB201									
15	5/8	7/8	3 3/8	31/32	2 43/64	3/8	1/8	1 23/32	0.236	0.866	1.122	5/16 M8	SBPP201-8	SB201-8				PP203	9.55	4.80	13.2	0.16	0.19
17													SBPP202	SB202									
													SBPP202-10	SB202-10									
													SBPP203	SB203									
20	3/4	1	3 27/32	1 1/4	2 63/64	3/8	1/8	2	0.276	0.984	1.161	5/16 M8	SBPP204-12	SB204-12				PP204	12.8	6.65	13.2	0.23	0.23
													SBPP204	SB204									
25	7/8												SBPP205-14	SB205-14									
	15/16	1 1/8	4 1/4	1 1/4	3 25/64	29/64	5/32	2 7/32	0.295	1.063	1.201	3/8 M10	SBPP205-15	SB205-15				PP205	14.0	7.85	13.9	0.28	0.32
													SBPP205	SB205									
													SBPP205-16	SB205-16									
30	1												SBPP206-18	SB206-18									
	1 1/8	1 5/16	4 19/32	1 1/2	3 3/4	29/64	5/32	2 5/8	0.315	1.181	1.335	3/8 M10	SBPP206	SB206				PP206	19.5	11.3	13.9	0.47	0.50
	1 3/16												SBPP206-19	SB206-19									
	1 1/4												SBPP206-20	SB206-20									

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