



Ball Bearing Units

Ball Bearing Units offer a convenient method of applying highly reliable rolling contact bearings to applications without the necessity of manufacturing a bearing housing.

Generally Ball Bearing Units have following features.

- Self-aligning capability
- Sealed
- Easy to mount and dismount
- Interchangeability with foreign made units

• Many types suitable for applications
 Additionally NACHI Ball Bearing Units have the advantages of ease of use and high reliability.

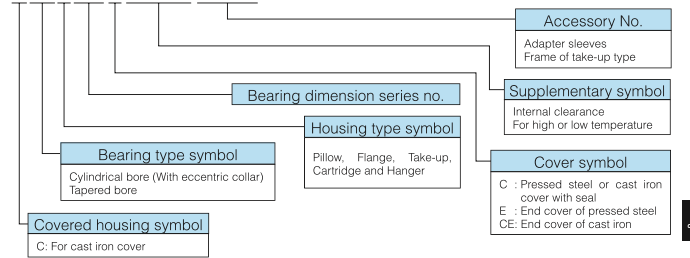
- Anti-rotation pin on outer ring
 - Eccentric collar type is also available
 - Base for mount locating pin
- Since Ball Bearings for units have the same geometry as deep groove ball bearings, load rating, reliability and other functions are equal with that of deep-groove ball bearings.

1. Designations

Number arrangement of Bearing Units and Ball bearings is shown as follows.

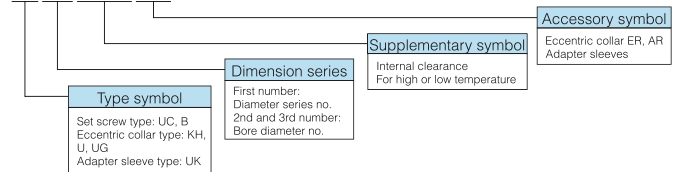
(1) Bearing Unit Numbers

C UK P 210 C CT4HR5 +H2310



(2) Ball Bearing Numbers

UG 208 C3HR4 +ER



Note: For type B bearings, a last digit of bore diameter number is used as dimension series number.

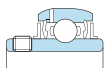
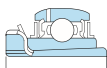
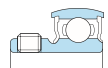
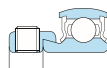
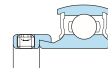
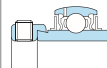




























Contents of dimension tables (1)

Symbol ○: Pressed steel cover type is available. ●: Cast iron cover type is available.

Housing type	Ball bearing type		UC (MUC)	UK+H		B	KH AE	U, MU+ER	UG+ER	Ball bearing type	
			page 527	page 529		page 531	page 531	page 533	page 535		
Cast Iron Series Standard Pillow block Type	P		UCP ○●	UKP ○●		BP	—	—	UGP	P	
Cast Iron Series Thick Body Pillow block for Shock Applications	IP		UCIP ○●	UKIP ○●		—	—	—	—	IP	
Cast Steel Series Pillow block for Heavy Loads	PK		UCPK ●	UKPK ●		—	—	—	—	PK	
Cast Iron Series Pillow block with High Center Height	PH		UCPH	—		—	—	—	—	PH	
Cast Iron Series Pillow block with Small Base	PA		UCPA	—		—	—	—	—	PA	
Cast Iron Series Pillow block for Free-end	EP		UCEP	—		—	—	—	—	EP	
Cast Iron Series Light Weight Pillow block for Light Load	LLP		—	—		BLLP	KHLLP	—	—	LLP	
Stainless Steel Series Standard Pillow block	MP		MUCP	—		—	—	—	—	MP	
Alloy Series (Silver series) Compact Pillow block for Light Load	P (PZ3)		—	—		—	—	UP (MUP) page 447	—	P (PZ3)	
Pressed Steel Series Pillow block for Extremely Light Load	PP		—	—		BPP	KHPP	—	—	PP	
Cast Iron Series Square Flange Type	F		UCF ○●	UKF ○●		BF	—	—	UGF	F	
Cast Iron Series Square Flange with Spigot Joint	FS		UCFS ●	UKFS ●		—	—	—	—	FS	
Cast Iron Series Round Flange Type	FC		UCFC ○●	UKFC ○●		BFC	—	—	UGFC	FC	

Contents of dimension tables (2)

Symbol ○: Pressed steel cover type is available. ●: Cast iron cover type is available.

Housing type	Ball bearing type		UC (MUC)	UK+H		B	KH AE	U, MU+ER	UG+ER	Ball bearing type	
											
Cast Iron Series Rhombic Flange Type	FL 		UCFL ○ ● page 477	UKFL ○ ● page 481		BFL page 485	—	—	UGFL page 487	FL 	
Cast Iron Series Light Weight Rhombic Flange for Light Load	LFL 		—	—		BLFL page 489	KHLFL page 489	—	—	LFL 	
Stainless Steel Series Rhombic Flange for Anti-Corrosion	MFL 		MUCFL page 491	—		—	—	—	—	MFL 	
Alloy Series (Silver Series) Compact Rhombic Flange for Light Load	FL (FLZ3) 		—	—		—	—	UFL (MUFL) page 493	—	FL (FLZ3) 	
Pressed Steel Series Round Flange for Extremely Light Load	PF 		—	—		BPF page 495	KHPF page 495	—	—	PF 	
Pressed Steel Series Rhombic Flange for Extremely Light Load	PFL 		—	—		BPFL page 497	KHPFL page 497	—	—	PFL 	
Cast Iron Series Transformed Rhombic Flange, Adjustable Center	FA 		UCFA page 499	—		—	—	—	—	FA 	
Cast Iron Series One Side Flange Type	FK 		UCFK page 501	—		—	—	—	—	FK 	
Cast Iron Series Standard Take-Up Type	T 		UCT ○ ● page 503	UKT ○ ● page 507		BT page 511	—	—	—	T 	
Cast Iron Series Take-Up Type with Frame of Angle Steel	T + WB 		UCT+WB page 513	—		—	—	—	—	T + WB 	
Cast Iron Series Take-Up Type with Frame of Light Channel Steel	TL + WL 		UCTL+WL page 515	—		—	—	—	—	TL + WL 	
Cast Iron Series Take-Up Type with Frame of Channel Steel	TU + WU 		UCTU+WU page 517	—		—	—	—	—	TU + WU 	
Cast Iron Series Cartridge Type	C 		UCC page 521	UKC page 523		—	—	—	—	C 	
Cast Iron Series Hanger Type	ECH 		UCECH page 525	—		—	—	—	—	ECH 	

2. Tolerance

Tolerances for ball bearings and housings are shown as follows.

(1) Ball Bearing Tolerances

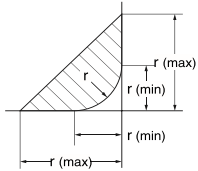
Tolerances of inner ring	Cylindrical bore: See Table 1 Tapered bore: See Table 5.7.1 (Page 63) 1/12 taper bore
Tolerances of outer ring	Tolerance class 0 of Table 5.1.2 (Page 55) Note: The lower limit of ΔD_{mp} is not applied within a distance of 1/4 of outer ring width from side faces.
Chamfer dimensions	See Table 2

Table 1. Tolerance of Inner Ring (Cylindrical bore)

Unit: μm

Bore dia. Nominal d (mm)	Single plane mean bore dia. deviation ΔD_{mp}		Bore dia. variation in a single radial plane V_{Dp}		Deviation of a single inner ring width ΔB_s		Radial runout of assembled bearing inner ring K_{ia} (reference)	Deviation of (1) eccentric value of inner ring eccentric face ΔH_s	
	Over	Incl.	High	Low	High	Low			
6	10		+12	0	8	0	-120	15	± 100
10	18		+15	0	10	0	-120	15	± 100
18	31.75		+18	0	12	0	-120	18	± 100
31.75	50.8		+21	0	14	0	-120	20	± 100
50.8	80		+24	0	16	0	-150	25	± 100
80	120		+28	0	19	0	-200	30	—
120	180		+33	0	22	0	-250	35	—

Note: (1) This deviation is used on the eccentric locking collar type bearings.



Remark: The exact shape of the chamfer is not specified, but its contour will be in the area shown with oblique lines.

Table 2. Chamfer dimension Limits

Chamfer dimension Nominal r	r		Corner of shaft R
	Max	Min	Max
0.5	0.8	0.3	0.3
1	1.5	0.6	0.6
1.5	2	1	1
2	2.5	1.5	1
2.5	3	2	1.5
3	3.5	2.5	2
3.5	4	2.5	2
4	4.5	3	2.5
5	6	4	3

(2) Bearing Unit Housing Tolerances

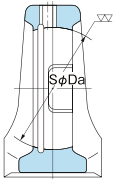
Spherical bearing seating of cast iron housing	See Table 3
Others	See NACHI Bearing Units Catalog

Table 3. Tolerance of cast iron housing

Unit: μm

Spherical bearing seating diameter nominal D_a (mm)	Tolerance symbol H7			Tolerance symbol J7			Tolerance symbol K7			
	Deviation of single plane mean dia. of bearing seating ΔD_{am}	Bearing seating dia. variation in a single radial plane V_{Dsp}	Max	Deviation of single plane mean dia. of bearing seating ΔD_{am}	Bearing seating dia. variation in a single radial plane V_{Dsp}	Max	Deviation of single plane mean dia. of bearing seating ΔD_{am}	Bearing seating dia. variation in a single radial plane V_{Dsp}	Max	
Over	Incl.	High	Low	Max	High	Low	Max	High	Low	Max
30	50	+25	0	10	+14	-11	10	+7	-18	10
50	80	+30	0	12	+18	-12	12	+9	-21	12
80	120	+35	0	14	+22	-13	14	+10	-25	14
120	180	+40	0	16	+26	-14	16	+12	-28	16
180	250	+46	0	18	+30	-16	18	+13	-33	18
250	315	+52	0	20	+36	-16	20	+16	-36	20

Notes: 1 Spherical bearing seat dimensions are divided into H7 for clearance fits and J7 and K7 for light interference fits. As NACHI bearings equipped with an anti-rotation pin to prevent outer race rotation, H7 is NACHI standard for the dimension.
2 For rotating outer ring load or fluctuating load applications, J7 or K7 fitting practice should be used.
3 Silver series of special alloy material are supplied with special tolerance.



3. Radial clearance of Ball Bearings

Cylindrical bore	See Table 6.1 (page 64); Radial internal clearance of deep-groove ball bearings (with cylindrical bore)
Tapered bore	CT2: CN for cylindrical bore CTN: C3 for cylindrical bore CT3: C4 for cylindrical bore They are considered the inner ring expansion by fitting with an adaptor sleeve.

4. Shaft Tolerance

For cylindrical bore bearings	<ul style="list-style-type: none"> Normal load: Shaft tolerance h7, h8 or js7 Heavy or shock load: Shaft tolerance k6, k7 or m6
For tapered bore bearings with an adaptor sleeve	<ul style="list-style-type: none"> Shaft tolerance h9

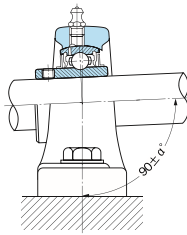
5. Maximum permissible misalignment angle

Normal permissible misalignment angle α is $\pm 1.5^\circ \sim 2.5^\circ$ because it is restricted by grease supply.

Even if grease is not supplied, it is desirable to use the same limiting value. If larger angles are needed, its angle is permissible to about $\pm 5^\circ$.

The maximum misalignment angle of bearing units with a housing cover is $\pm 1.0^\circ \sim 1.8^\circ$, beyond this angle the inner diameter of the cover will interfere the shaft.

To prevent the unequal contact between seals and shaft, excessive heat generation and dust intrusion, the misalignment angle should be minimized.



6. Maximum permissible operating temperature

Since Bearing units are sometimes used at higher or lower temperature than normal, NACHI prepares the special specification shown in Table 4.

In case of Bearing units with high temperature specification, the decrease in basic load rating should be considered, and radial clearance should be larger than normal clearance.

NACHI standard radial clearance for high temperature applications is C3 HR4, C4 HR5 and C4 HR23 for cylindrical bore bearings and CT3 HR4, CT4 HR23 for tapered bore

bearings.

If there is a large temperature difference between the inner ring and outer ring, radial internal clearance should be determined reasonably.

Notes 1. If operating temperature exceeds 150°C, careful investigation, including radial internal clearance is required. In such case, Please consult NACHI with operating conditions.

2. The grease shown in Table 4 must be supplied for relubrication, if different greases are mixed, lubrication ability can deteriorate. Before supplying different grease, please consult NACHI or the grease manufactures.

Table 4. Operating Temperature Range

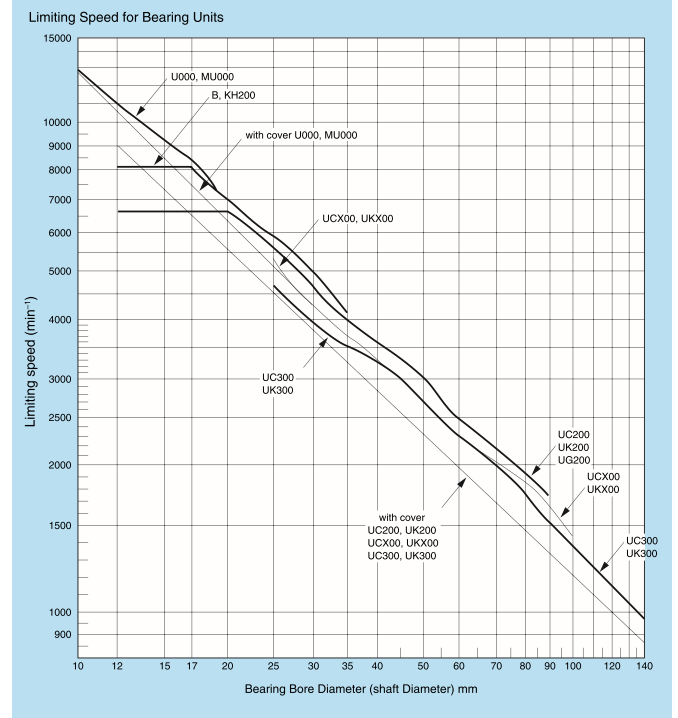
Series	Seal material	Grease	Operating temperature range (°C)	Slinger color
Silver series	Nitrile rubber (NBR)	Alvania Grease 3	- 10~+ 80	—
Standard	Nitrile rubber (NBR)	Alvania Grease 3	- 15~+100	Black
HR4 for high temperature	Nitrile rubber (NBR)	Superlube 3	Normal temperature~+120	Yellow
HR5 for high temperature	Silicone rubber	Superlube 3	Normal temperature~+200	Yellow
HR23 for high temperature	Silicone rubber	Fluorine-contained Grease	Normal temperature~+230	Black
CR2A for low temperature	Silicone rubber	Aero Shell Grease 7	- 40~+Normal temperature	White

7. Speed limit

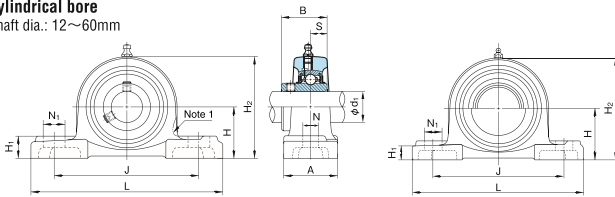
Limiting speed of bearings is determined by the slip speed limit between the seal and inner ring or shaft.

Limiting speed of bearings is shown in the chart below. But this limiting speed should be

decreased, if there are differences between shaft center and bearing center or a mixing resistance of grease for HR23 specification. When Bearing units are necessary to operate in excess of speed limit, please consult NACHI.

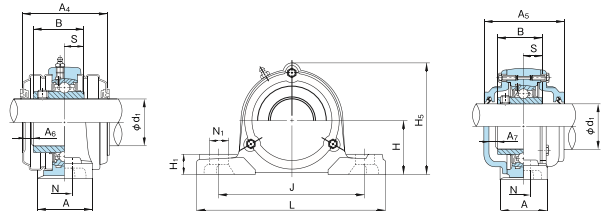


Pillow Block Units
UCP type
With set screws
Cylindrical bore
 Shaft dia.: 12~60mm



Note: The line shows figure of UCPX00 series

With steel covers



With cast covers

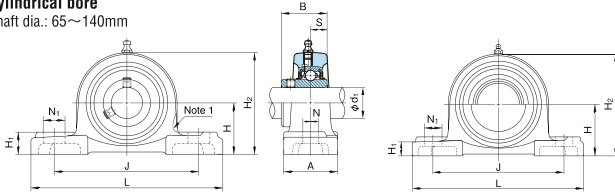
1N=0.102kgf

Shaft dia. di (mm)	Unit No.	Boundary dimensions (mm)															Bolt size	Bearings			Housing No.	Unit No. with steel covers		Unit No. with cast covers			Mass of Unit (kg)		
		H	L	A	J	N	N1	H1	H2	Hs	B	S	A4	A5	A6	A7		No.	Basic load rating (N)	Cr		Car	Covers with rubber seal (End cover on one side)	Covers with rubber seal (End cover on one side)	standard	with steel cover	with cast covers		
12	UCP201	30.2	127	38	95	13	19	15	62	66	31	12.7	56	62	8	6	M10	UC201	12800	6600	P203	UCP201(C)	CUCP201(C)	0.65	0.71	1.1			
15	UCP202	30.2	127	38	95	13	19	15	62	66	31	12.7	56	62	8	6	M10	UC202	12800	6600	P203	UCP202(C)	CUCP202(C)	0.63	0.69	1.1			
17	UCP203	30.2	127	38	95	13	19	15	62	66	31	12.7	56	62	8	6	M10	UC203	12800	6600	P203	UCP203(C)	CUCP203(C)	0.62	0.68	1.1			
20	UCP204	33.3	127	38	95	13	19	15	65	69	31	12.7	56	62	8	6	M10	UC204	12800	6600	P204	UCP204(C)	CUCP204(C)	0.65	0.71	1.1			
25	UCP205	36.5	140	38	105	13	16	16	70	76	34	14.3	63	70	11	9	M10	UC205	14000	7900	P205	UCP205(C)	CUCP205(C)	0.79	0.86	1.4			
	UCPX05	44.4	159	51	119	17	25	18	85	—	38.1	15.9	65	—	9	—	M14	UCX05	19600	11300	PX05	UCPX05(C)	—	1.5	1.5	—			
	UCP305	45	175	45	132	17	20	16	84	89	38	15	—	78	—	10	M14	UC305	21300	10900	P305	—	CUCP305(C)	1.6	—	2.1			
30	UCP206	42.9	165	48	121	17	21	18	83	87	38.1	15.9	65	74	9	8	M14	UC206	19600	11300	P206	UCP206(C)	CUCP206(C)	1.3	1.4	2.0			
	UCPX06	47.6	175	57	127	17	25	20	94	—	42.9	17.5	70	—	8	—	M14	UCX06	25900	15400	PX06	UCPX06(C)	—	1.9	1.9	—			
	UCP306	50	180	50	140	17	20	19	94	99	43	17	—	84	—	10	M14	UC306	26800	15000	P306	—	CUCP306(C)	1.9	—	2.6			
35	UCP207	47.6	167	48	127	17	21	19	94	97	42.9	17.5	70	80	8	8	M14	UC207	25900	15400	P207	UCP207(C)	CUCP207(C)	1.6	1.7	2.5			
	UCPX07	54	203	57	144	17	30	22	105	—	49.2	19	83	—	10	—	M14	UCX07	29300	17900	PX07	UCPX07(C)	—	2.7	2.7	—			
	UCP307	56	210	56	160	17	25	21	105	110	48	19	—	90	—	10	M14	UC307	33500	19200	P307	—	CUCP307(C)	2.7	—	3.4			
40	UCP208	49.2	184	54	137	17	25	19	100	104	49.2	19	82	90	10	8	M14	UC208	29300	17900	P208	UCP208(C)	CUCP208(C)	2.0	2.2	3.0			
	UCPX08	58.7	222	67	156	20	32	26	113	—	49.2	19	82	—	10	—	M16	UCX08	33000	20500	PX08	UCPX08(C)	—	3.5	3.5	—			
	UCP308	60	220	60	170	17	27	23	116	122	52	19	—	100	—	11	M14	UC308	40500	23900	P308	—	CUCP308(C)	3.3	—	4.4			
45	UCP209	54	190	54	146	17	22	20	108	114	49.2	19	82	90	10	8	M14	UC209	33000	20500	P209	UCP209(C)	CUCP209(C)	2.3	2.5	3.4			
	UCPX09	58.7	222	67	156	20	33	26	116	—	51.6	19	87	—	9	—	M16	UCX09	35500	23200	PX09	UCPX09(C)	—	3.5	3.6	—			
	UCP309	67	245	67	190	20	30	25	128	136	57	22	—	106	—	12	M16	UC309	51500	29500	P309	—	CUCP309(C)	4.5	—	5.8			
50	UCP210	57.2	206	60	159	20	25	22	114	120	51.6	19	87	98	9	10	M16	UC210	35500	23200	P210	UCP210(C)	CUCP210(C)	2.7	3.0	4.1			
	UCPX10	63.5	241	73	171	20	36	27	126	—	55.6	22.2	88	—	9	—	M16	UCX10	43000	29400	PX10	UCPX10(C)	—	4.2	4.5	—			
	UCP310	75	275	75	212	20	35	28	143	149	61	22	—	114	—	12	M16	UC310	61500	38200	P310	—	CUCP310(C)	6.2	—	7.6			
55	UCP211	63.5	219	60	171	20	25	22	126	133	55.6	22.2	88	100	9	10	M16	UC211	43000	29400	P211	UCP211(C)	CUCP211(C)	3.3	3.7	5.0			
	UCPX11	69.8	260	79	184	25	36	30	139	—	65.1	25.4	100	—	9	—	M20	UCX11	52500	36100	PX11	UCPX11(C)	—	5.9	6.2	—			
	UCP311	80	310	80	236	20	38	31	154	159	66	25	—	120	—	13	M16	UC311	71500	44800	P311	—	CUCP311(C)	7.7	—	9.6			
60	UCP212	69.8	241	70	184	20	25	25	138	145	65.1	25.4	102	114	10	11	M16	UC212	52500	36100	P212	UCP212(C)	CUCP212(C)	4.7	5.1	6.7			
	UCPX12	76.2	286	83	203	25	41	32	151	—	65.1	25.4	104	—	11	—	M20	UCX12	57500	40000	PX12	UCPX12(C)	—	7.2	7.4	—			
	UCP312	85	330	85	250	25	38	33	165	169	71	26	—	130	—	14	M20	UC312	81500	52000	P312	—	CUCP312(C)	9.3	—	11.0			

Remarks: 1. Grease nipple: 1/4-28UNF

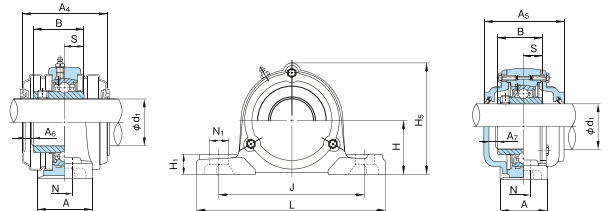
Remarks: 2. Examples of unit numbers with covers:
 With steel cover { Covers with rubber seal on both sides :UCP210C
 An end cover and a cover with rubber seal :UCP210E
 With cast covers { Covers with rubber seal on both sides :CUCP210C
 An end cover and a cover with rubber seal :CUCP210CE

Pillow Block Units
UCP type
With set screws
Cylindrical bore
 Shaft dia.: 65~140mm



Note: The line shows figure of UCPX00 series

With steel covers



1N=0.102kgf

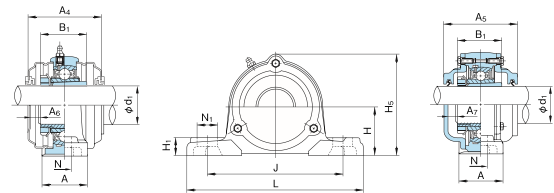
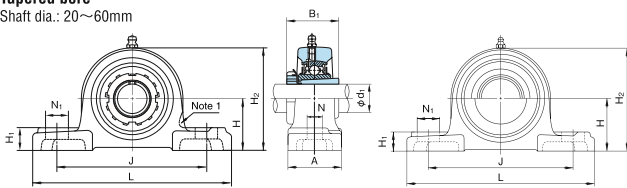
With cast covers

Shaft dia. (mm)	Unit No.	Boundary dimensions (mm)														Bolt size	Bearings			Housing No.	Unit No. with steel covers	Unit No. with cast covers	Mass of Unit (kg)			
		H	L	A	J	N	N1	H1	H2	Hs	B	S	A4	A5	A6		A7	No.	Basic load rating (N)				Cr	Cor	Covers with rubber seal (End cover on one side)	Covers with rubber seal (End cover on one side)
65	UCP213	76.2	265	70	203	25	29	27	150	156	65.1	25.4	102	118	10	13	M20	UC213	57500	40000	P213	UCP213C(E)	CUCP213C(CE)	5.6	6.1	7.8
	UCPX13	76.2	266	83	203	25	41	32	154	—	74.6	30.2	—	—	—	—	M20	UCX13	62000	44000	PX13	—	—	7.4	—	—
	UCP313	90	340	90	260	25	38	36	174	188	75	30	—	140	—	17	M20	UC313	92500	59700	P313	—	CUCP313C(CE)	9.8	—	14.3
70	UCP214	79.4	266	72	210	25	31	27	156	162	74.6	30.2	—	134	—	16	M20	UC214	62000	44000	P214	—	CUCP214C(CE)	7.3	—	9.3
	UCPX14	88.9	330	89	229	27	51	35	172	—	77.8	33.3	—	—	—	—	M22	UCX14	66000	48200	PX14	—	—	11.1	—	—
	UCP314	95	360	90	280	27	40	40	186	198	78	33	—	140	—	17	M22	UC314	104000	68000	P314	—	CUCP314C(CE)	11.4	—	16.7
75	UCP215	82.6	275	74	217	25	31	28	163	167	77.8	33.3	—	136	—	17	M20	UC215	66000	48200	P215	—	CUCP215C(CE)	7.9	—	9.6
	UCPX15	88.9	330	89	229	27	51	35	177	—	82.6	33.3	—	—	—	—	M22	UCX15	72500	53000	PX15	—	—	11.4	—	—
	UCP315	100	380	100	290	27	40	40	197	208	82	32	—	150	—	17	M22	UC315	114000	76900	P315	—	CUCP315C(CE)	13.6	—	19.6
80	UCP216	88.9	292	78	232	25	31	30	175	188	82.6	33.3	—	146	—	15	M20	UC216	72500	53000	P216	—	CUCP216C(CE)	10.0	—	12.2
	UCPX16	101.6	381	102	283	27	59	42	197	—	85.7	34.1	—	—	—	—	M22	UCX16	83500	61800	PX16	—	—	17.4	—	—
	UCP316	106	400	110	300	27	40	45	209	219	86	34	—	154	—	17	M22	UC316	123000	86400	P316	—	CUCP316C(CE)	16.4	—	23.5
85	UCP217	95.2	310	83	247	25	31	32	187	199	85.7	34.1	—	150	—	15	M20	UC217	83500	61800	P217	—	CUCP217C(CE)	12.2	—	14.2
	UCPX17	101.6	381	102	283	27	59	42	202	—	96	39.7	—	—	—	—	M22	UCX17	95500	71400	PX17	—	—	17.1	—	—
	UCP317	112	420	110	320	33	45	45	221	234	96	40	—	164	—	18	M27	UC317	132000	96500	P317	—	CUCP317C(CE)	18.6	—	27.0
90	UCP218	101.6	327	88	262	27	33	34	200	211	96	39.7	—	164	—	17	M22	UC218	95500	71400	P218	—	CUCP218C(CE)	14.7	—	18.2
	UCPX18	101.6	381	111	283	27	60	45	206	—	104	42.9	—	—	—	—	M22	UCX18	109000	81600	PX18	—	—	17.0	—	—
	UCP318	118	430	110	330	33	45	50	233	245	96	40	—	168	—	20	M27	UC318	143000	107200	P318	—	CUCP318C(CE)	20.9	—	30.4
95	UCP319	125	470	120	360	36	50	50	250	257	103	41	—	180	—	20	M30	UC319	153000	118400	P319	—	CUCP319C(CE)	26.5	—	36.8
	UCPX20	127	432	121	337	33	64	52	250	—	117.5	49.2	—	—	—	—	M27	UCX20	134000	104700	PX20	—	—	33.0	—	—
	UCP320	140	490	120	380	36	50	55	275	282	108	42	—	190	—	21	M30	UC320	173000	140400	P320	—	CUCP320C(CE)	34.3	—	44.9
105	UCP321	140	490	120	380	36	50	55	278	287	112	44	—	194	—	21	M30	UC321	183000	153100	P321	—	CUCP321C(CE)	36.6	—	45.2
	UCP322	150	520	140	400	40	55	60	295	305	117	46	—	210	—	26	M33	UC322	205000	178800	P322	—	CUCP322C(CE)	42.5	—	54.7
	UCP324	160	570	140	450	40	55	70	321	328	126	51	—	220	—	25	M33	UC324	207000	184800	P324	—	CUCP324C(CE)	53.5	—	73.8
130	UCP326	180	600	140	480	40	55	80	354	358	135	54	—	230	—	24	M33	UC326	229000	214300	P326	—	CUCP326C(CE)	72.1	—	92.2
	UCP328	200	620	140	500	40	55	80	388	388	145	59	—	240	—	24	M33	UC328	255000	246000	P328	—	CUCP328C(CE)	89.1	—	110

Remarks: 1. Grease nipple: 1/4-28UNF for bore number 13
 PF1/8 for bore number 14 and over

Remarks: 2. Examples of unit numbers with covers:
 With steel cover { Covers with rubber seal on both sides :UCP213C
 An end cover and a cover with rubber seal :UCP213E
 With cast covers { Covers with rubber seal on both sides :CUCP213C
 An end cover and a cover with rubber seal :CUCP213CE

Pillow Block Units
UKP+H type
With adapter assembly
Tapered bore
 Shaft dia.: 20~60mm



Note: The line shows figure of UCPX00 series

With steel cover

1N=0.102kgf

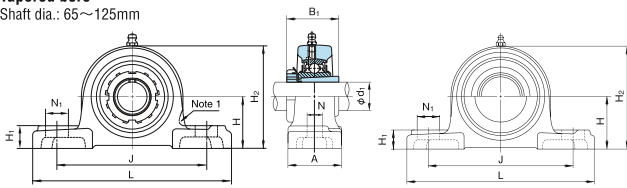
Shaft dia. d1 (mm)	Unit No.	Boundary dimensions (mm)														Bolt size	Bearings			Unit No. with steel covers		Unit No. with cast covers		Mass of Unit (kg)		
		H	L	A	J	N	N1	H1	H2	Hs	B1	A2	A3	A6	A7		No.	Basic load rating (N) Cr	Cor	Housing No.	Covers with rubber seal (End cover on one side)	Covers with rubber seal (End cover on one side)	standard	with steel cover	with cast covers	
20	UKP205+H2305	36.5	140	38	105	13	16	16	70	76	35	63	70	11	9	M10	UK205+H2305	14000	7900	P205	UKP205(E)+H2305	CUKP205(CE)+H2305	0.84	0.91	1.4	
	UKPX05+H2305	44.4	159	51	119	17	25	18	85	—	35	65	—	10	—	M14	UKX05+H2305	19600	11300	PX05	UKPX05(E)+H2305	—	1.5	1.5	—	
	UKP305+H2305	45	175	45	132	17	20	16	84	89	35	—	78	—	12	M14	UK305+H2305	21300	10900	P305	—	CUKP305(CE)+H2305	1.6	—	2.1	
25	UKP206+H2306	42.9	165	48	121	17	21	18	83	87	38	65	74	10	10	M14	UK206+H2306	19600	11300	P206	UKP206(E)+H2306	CUKP206(CE)+H2306	1.4	1.5	2.1	
	UKPX06+H2306	47.6	175	57	127	17	25	20	94	—	38	70	—	12	—	M14	UKX06+H2306	25900	15400	PX06	UKPX06(E)+H2306	—	2.0	2.0	—	
	UKP306+H2306	50	180	50	140	17	20	19	94	99	38	—	84	—	13	M14	UK306+H2306	26800	15000	P306	—	CUKP306(CE)+H2306	1.9	—	2.6	
30	UKP207+H2307	47.6	167	48	127	17	21	19	94	97	43	70	80	11	11	M14	UK207+H2307	25900	15400	P207	UKP207(E)+H2307	CUKP207(CE)+H2307	1.6	1.8	2.6	
	UKPX07+H2307	54	203	57	144	17	30	22	105	—	43	83	—	17	—	M14	UKX07+H2307	29300	17900	PX07	UKPX07(E)+H2307	—	2.7	2.7	—	
	UKP307+H2307	56	210	56	160	17	25	21	105	110	43	—	90	—	14	M14	UK307+H2307	33500	19200	P307	—	CUKP307(CE)+H2307	2.7	—	3.5	
35	UKP208+H2308	49.2	184	54	137	17	25	19	100	104	46	82	90	15	14	M14	UK208+H2308	29300	17900	P208	UKP208(E)+H2308	CUKP208(CE)+H2308	2.1	2.3	3.1	
	UKPX08+H2308	58.7	222	67	156	20	32	26	113	—	46	82	—	15	—	M16	UKX08+H2308	33000	20500	PX08	UKPX08(E)+H2308	—	3.5	3.5	—	
	UKP308+H2308	60	220	60	170	17	27	23	116	122	46	—	100	—	17	M14	UK308+H2308	40500	23900	P308	—	CUKP308(CE)+H2308	3.0	—	4.4	
40	UKP209+H2309	54	190	54	146	17	22	20	108	114	50	82	90	14	13	M14	UK209+H2309	33000	20500	P209	UKP209(E)+H2309	CUKP209(CE)+H2309	2.4	2.6	3.5	
	UKPX09+H2309	58.7	222	67	156	20	33	26	116	—	50	87	—	16	—	M16	UKX09+H2309	35500	23200	PX09	UKPX09(E)+H2309	—	3.5	3.6	—	
	UKP309+H2309	67	245	67	190	20	30	25	128	136	50	—	106	—	17	M16	UK309+H2309	51500	29500	P309	—	CUKP309(CE)+H2309	4.6	—	5.9	
45	UKP210+H2310	57.2	206	60	159	20	25	22	114	120	55	87	98	15	15	M16	UK210+H2310	35500	23200	P210	UKP210(E)+H2310	CUKP210(CE)+H2310	2.8	3.2	4.2	
	UKPX10+H2310	63.5	241	73	171	20	36	27	126	—	55	88	—	14	—	M16	UKX10+H2310	43000	29400	PX10	UKPX10(E)+H2310	—	4.3	4.5	—	
	UKP310+H2310	75	275	75	212	20	35	28	143	149	55	—	114	—	19	M16	UK310+H2310	61500	38200	P310	—	CUKP310(CE)+H2310	6.2	—	7.8	
50	UKP211+H2311	63.5	219	60	171	20	25	22	126	133	59	88	100	14	15	M16	UK211+H2311	43000	29400	P211	UKP211(E)+H2311	CUKP211(CE)+H2311	3.4	3.8	5.1	
	UKPX11+H2311	69.8	260	79	184	25	36	30	139	—	59	100	—	19	—	M20	UKX11+H2311	52500	36100	PX11	UKPX11(E)+H2311	—	5.8	6.0	—	
	UKP311+H2311	80	310	80	236	20	38	31	154	159	59	—	120	—	20	M16	UK311+H2311	71500	44800	P311	—	CUKP311(CE)+H2311	7.6	—	9.6	
55	UKP212+H2312	69.8	241	70	184	20	25	25	138	145	62	102	114	19	20	M16	UK212+H2312	52500	36100	P212	UKP212(E)+H2312	CUKP212(CE)+H2312	4.8	5.2	6.8	
	UKPX12+H2312	76.2	286	83	203	25	41	32	151	—	62	104	—	19	—	M20	UKX12+H2312	57500	40000	PX12	UKPX12(E)+H2312	—	7.1	7.3	—	
	UKP312+H2312	85	330	85	250	25	38	33	165	169	62	—	130	—	23	M20	UK312+H2312	81500	52000	P312	—	CUKP312(CE)+H2312	9.3	—	11.7	
60	UKP213+H2313	76.2	265	70	203	25	29	27	150	156	65	102	118	17	20	M20	UK213+H2313	57500	40000	P213	UKP213(E)+H2313	CUKP213(CE)+H2313	5.7	6.2	7.9	
	UKPX13+H2313	76.2	286	83	203	25	41	32	154	—	65	—	—	—	—	M20	UKX13+H2313	62000	44000	PX13	—	—	7.2	—	—	
	UKP313+H2313	90	340	90	260	25	38	36	174	188	65	—	140	—	24	M20	UK313+H2313	92500	59700	P313	—	CUKP313(CE)+H2313	9.8	—	14.2	

Remarks: 1. Grease nipple: 1/4-28UNF

Remarks: 2. Examples of unit numbers with covers:

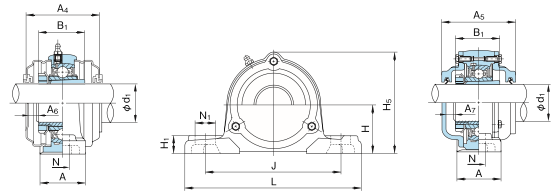
- With steel cover { Covers with rubber seal on both sides :UKP210C+H2310
- { An end cover and a cover with rubber seal :UKP210E+H2310
- With cast covers { Covers with rubber seal on both sides :CUKP210C+H2310
- { An end cover and a cover with rubber seal :CUKP210CE+H2310

Pillow Block Units
UKP+H type
With adapter assembly
Tapered bore
 Shaft dia.: 65~125mm



Note: The line shows figure of UCPX00 series

With steel cover



With cast covers

1N=0.102kgf

Shaft dia. d ₁ (mm)	Unit No.	Boundary dimensions (mm)															Bolt size	Bearings			Housing No.	Unit No. with steel covers		Unit No. with cast covers		Mass of Unit (kg)		
		H	L	A	J	N	N ₁	H ₁	H ₂	H _s	B ₁	A ₁	A ₂	A ₃	A ₄	A ₅		A ₇	No.	Basic load rating (N) C _r		Cor	Covers with rubber seal (End cover on one side)	Covers with rubber seal (End cover on one side)	standard	with steel cover	with cast covers	
65	UKP215+H2315	82.6	275	74	217	25	31	28	163	167	73	—	136	—	26	M20	UK215+H2315	66000	48200	P215	—	CUKP215C(CE)+H2315	8.3	—	10.0			
	UKPX15+H2315	88.9	330	89	229	27	51	35	177	—	73	—	—	—	—	M22	UKX15+H2315	72500	53000	PX15	—	—	11.5	—	—			
	UKP315+H2315	100	380	100	290	27	40	40	197	208	73	—	150	—	25	M22	UK315+H2315	114000	76900	P315	—	CUKP315C(CE)+H2315	13.7	—	19.9			
70	UKP216+H2316	88.9	292	78	232	25	31	30	175	188	78	—	146	—	26	M20	UK216+H2316	72500	53000	P216	—	CUKP216C(CE)+H2316	10.4	—	12.7			
	UKPX16+H2316	101.6	381	102	283	27	59	42	197	—	78	—	—	—	—	M22	UKX16+H2316	83500	61800	PX16	—	—	17.4	—	—			
	UKP316+H2316	106	400	110	300	27	40	45	209	219	78	—	154	—	23	M22	UK316+H2316	123000	86400	P316	—	CUKP316C(CE)+H2316	16.6	—	23.9			
75	UKP217+H2317	95.2	310	83	247	25	31	32	187	199	82	—	150	—	26	M20	UK217+H2317	83500	61800	P217	—	—	12.8	—	14.8			
	UKPX17+H2317	101.6	381	102	283	27	59	42	202	—	82	—	—	—	—	M22	UKX17+H2317	95500	71400	PX17	—	—	17.0	—	—			
	UKP317+H2317	112	420	110	320	33	45	45	221	234	82	—	164	—	26	M27	UK317+H2317	132000	96500	P317	—	CUKP317C(CE)+H2317	18.6	—	27.1			
80	UKP218+H2318	101.6	327	88	262	27	33	34	200	211	86	—	164	—	31	M22	UK218+H2318	95500	71400	P218	—	CUKP218C(CE)+H2318	15.1	—	18.6			
	UKPX18+H2318	101.6	381	111	283	27	60	45	206	—	86	—	—	—	—	M22	UKX18+H2318	109000	81600	PX18	—	—	16.7	—	—			
	UKP318+H2318	118	430	110	330	33	45	50	233	245	86	—	168	—	26	M27	UK318+H2318	143000	107200	P318	—	CUKP318C(CE)+H2318	21.1	—	30.9			
85	UKP319+H2319	125	470	120	360	36	50	50	250	257	90	—	180	—	30	M30	UK319+H2319	153000	118400	P319	—	CUKP319C(CE)+H2319	26.5	—	37.1			
	UKP220+H2320	127	432	121	337	33	64	52	250	—	97	—	—	—	—	M27	UKX20+H2320	134000	104700	PX20	—	—	32.1	—	—			
90	UKP320+H2320	140	490	120	380	36	50	55	275	282	97	—	190	—	31	M30	UK320+H2320	173000	140400	P320	—	CUKP320C(CE)+H2320	34.3	—	45.2			
	UKP322+H2322	150	520	140	400	40	65	60	295	305	105	—	210	—	36	M33	UK322+H2322	205000	178800	P322	—	CUKP322C(CE)+H2322	42.6	—	55.1			
100	UKP324+H2324	160	570	140	450	40	65	70	321	328	112	—	220	—	35	M33	UK324+H2324	207000	184800	P324	—	CUKP324C(CE)+H2324	53.0	—	73.8			
	UKP326+H2326	180	600	140	480	40	65	80	354	358	121	—	230	—	36	M33	UK326+H2326	229000	214300	P326	—	CUKP326C(CE)+H2326	72.4	—	93.3			
125	UKP328+H2328	200	620	140	500	40	65	80	388	388	131	—	240	—	37	M33	UK328+H2328	255000	246000	P328	—	CUKP328C(CE)+H2328	89.4	—	111			

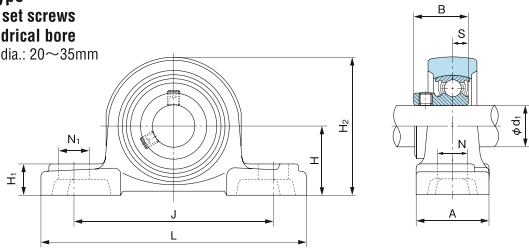
Remarks: 1. Grease nipple: PF1/8

Remarks: 2. Examples of unit numbers with covers:

With cast covers { Covers with rubber seal on both sides :CUKP215C+H2315
 An end cover and a cover with rubber seal :CUKP215CE+H2315

Pillow Block Units

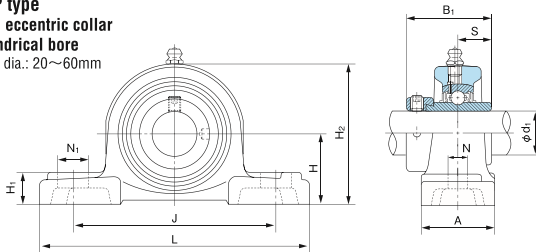
BP type
With set screws
Cylindrical bore
 Shaft dia.: 20~35mm



1N=0.102kgf

Shaft dia. d ₁ (mm)	Unit No.	Boundary dimensions (mm)											Bolt size	Bearings			Housing No.	Mass of Unit (kg)
		H	L	A	J	N	N ₁	H ₁	H ₂	B	S	No.		Basic load rating (N)				
		Cr	Cor															
20	BP204	33.3	127	38	95	13	19	15	65	24.7	7	M10	B4	12800	6600	P204 G00	0.61	
25	BP205	36.5	140	38	105	13	16	16	70	27	7.5	M10	B5	14000	7900	P205 G00	0.76	
30	BP206	42.9	165	48	121	17	21	18	83	30.3	8	M14	B6	19600	11300	P206 G00	1.2	
35	BP207	47.6	167	48	127	17	21	19	94	32.9	8.5	M14	B7	25900	15400	P207 G00	1.6	

■ Pillow Block Units
UGP type
With eccentric collar
Cylindrical bore
 Shaft dia.: 20~60mm

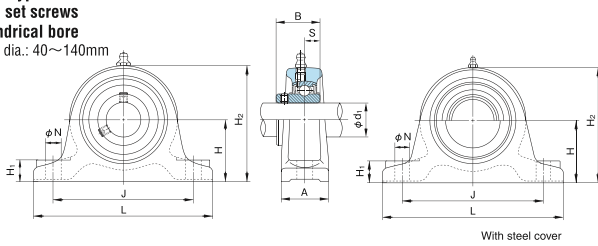


1N=0.102kgf

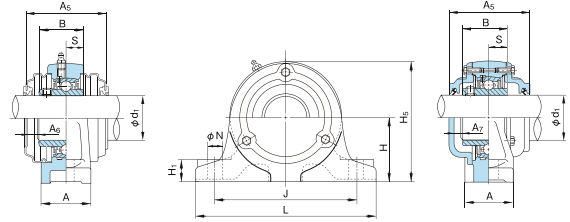
Shaft dia. d ₁ (mm)	Unit No.	Boundary dimensions (mm)											Bolt size	Bearings			Housing No.	Mass of Unit (kg)
		H	L	A	J	N	N ₁	H ₁	H ₂	B ₁	S	No.		Basic load rating (N)				
														Cr	Cor			
20	UGP204	33.3	127	38	95	13	19	15	65	43.7	17.1	M10	UG204+ER	12800	6600	P204	0.70	
25	UGP205	36.5	140	38	105	13	16	16	70	44.4	17.5	M10	UG205+ER	14000	7900	P205	0.83	
30	UGP206	42.9	165	48	121	17	21	18	83	48.4	18.3	M14	UG206+ER	19600	11300	P206	1.3	
35	UGP207	47.6	167	48	127	17	21	19	94	51.1	18.8	M14	UG207+ER	25900	15400	P207	1.7	
40	UGP208	49.2	184	54	137	17	25	19	100	56.3	21.4	M14	UG208+ER	29300	17900	P208	2.1	
45	UGP209	54	190	54	146	17	22	20	108	56.3	21.4	M14	UG209+ER	33000	20500	P209	2.3	
50	UGP210	57.2	206	60	159	20	25	22	114	62.7	24.6	M16	UG210+ER	35500	23200	P210	2.7	
55	UGP211	63.5	219	60	171	20	25	22	126	71.4	27.8	M16	UG211+ER	43000	29400	P211	3.5	
60	UGP212	69.8	241	70	184	20	25	25	138	77.8	31	M16	UG212+ER	52500	36100	P212	5.0	

Remark: Grease nipple: 1/4-28UNF

Pillow Block Units
UCIP type
With set screws
Cylindrical bore
 Shaft dia.: 40~140mm



With steel cover



With cast covers

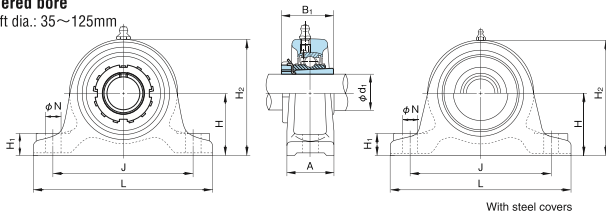
Shaft dia. d ₁ (mm)	Unit No.	Boundary dimensions (mm)														Bolt size	Bearings			Housing No.	Unit No. with steel covers		Unit No. with cast covers		Mass of Unit (kg)		
		H	L	A	J	N	H ₁	H ₂	H ₃	B	S	A ₁	A ₂	A ₃	A ₄		No.	Basic load rating (N)			Covers with rubber seal (End cover on one side)	Covers with rubber seal (End cover on one side)	standard	with steel cover	With cast covers		
		Cr		Cor																							
40	UCIP208	60	200	60	150	19	25	115	115	49.2	19	86	90	12	8	M16	UC208	29300	17900	IP208	UCIP208C(E)	CUCIP208C(CE)	3.6	3.8	4.0		
45	UCIP209	70	210	60	160	19	25	128	130	49.2	19	92	90	15	8	M16	UC209	33000	20500	IP209	UCIP209C(E)	CUCIP209C(CE)	3.8	4.1	4.5		
50	UCIP210	70	220	60	170	19	28	132	133	51.6	19	92	98	12	10	M16	UC210	35500	23200	IP210	UCIP210C(E)	CUCIP210C(CE)	4.4	4.7	5.0		
55	UCIP211	80	230	60	180	19	28	148	150	55.6	22.2	97	100	14	10	M16	UC211	43000	29400	IP211	UCIP211C(E)	CUCIP211C(CE)	5.5	5.8	6.2		
60	UCIP212	80	260	70	200	22	30	155	155	65.1	25.4	113	114	15	11	M20	UC212	52500	36100	IP212	UCIP212C(E)	CUCIP212C(CE)	5.9	6.3	8.0		
65	UCIP213	90	280	70	220	22	30	172	172	65.1	25.4	111	118	14	13	M20	UC213	57500	40000	IP213	UCIP213C(E)	CUCIP213C(CE)	7.5	8.0	10.1		
70	UCIP313	110	310	70	250	22	30	208	208	75	30	—	140	—	17	M20	UC313	92500	59700	IP313	—	CUCIP313C(CE)	12.4	—	16.5		
70	UCIP314	110	330	75	270	25	35	215	215	78	33	—	140	—	17	M22	UC314	104000	68000	IP314	—	CUCIP314C(CE)	14.9	—	19.2		
75	UCIP315	120	340	75	280	25	35	230	230	82	32	—	150	—	17	M22	UC315	114000	76900	IP315	—	CUCIP315C(CE)	16.2	—	21.8		
80	UCIP316	120	350	85	290	25	40	235	235	86	34	—	154	—	17	M22	UC316	123000	86400	IP316	—	CUCIP316C(CE)	20.8	—	24.8		
85	UCIP317	130	370	85	310	25	40	255	255	96	40	—	164	—	18	M22	UC317	132000	96500	IP317	—	CUCIP317C(CE)	23.1	—	29.4		
90	UCIP318	130	400	85	330	29	45	260	260	96	40	—	168	—	20	M24	UC318	143000	107200	IP318	—	CUCIP318C(CE)	25.7	—	33.2		
95	UCIP319	150	410	85	340	29	45	285	285	103	41	—	180	—	20	M24	UC319	153000	118400	IP319	—	CUCIP319C(CE)	29.7	—	38.5		
100	UCIP320	150	430	85	360	29	45	295	295	108	42	—	190	—	21	M24	UC320	173000	140400	IP320	—	CUCIP320C(CE)	33.4	—	44.2		
110	UCIP322	170	490	100	410	32	50	335	335	117	46	—	210	—	26	M27	UC322	205000	178800	IP322	—	CUCIP322C(CE)	50.4	—	61.2		
120	UCIP324	170	510	100	430	32	50	345	345	126	51	—	220	—	25	M27	UC324	207000	184800	IP324	—	CUCIP324C(CE)	56.8	—	72.3		
130	UCIP326	200	550	110	470	32	50	390	390	135	54	—	230	—	24	M27	UC326	229000	214300	IP326	—	CUCIP326C(CE)	73.2	—	94.3		
140	UCIP328	200	590	110	500	35	55	400	400	145	59	—	240	—	24	M30	UC328	255000	246000	IP328	—	CUCIP328C(CE)	83.5	—	105		

Remarks: 1. Grease nipple : 1/4-28UNF for bore number 13 and under
 PF1/8 for bore number 14 and over

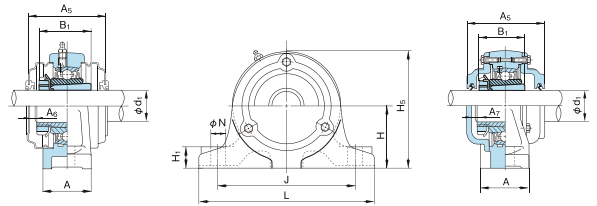
Remarks: 2. Examples of unit numbers with covers:

- With steel cover { Covers with rubber seal on both sides :UCIP210C
- { An end cover and a cover with rubber seal :UCIP210E
- With cast covers { Covers with rubber seal on both sides :CUCIP210C
- { An end cover and a cover with rubber seal :CUCIP210CE

Pillow Block Units
UKIP+H type
 With adapter assembly
 Tapered bore
 Shaft dia.: 35~125mm



With steel covers



With cast covers

1N=0.102kgf

Shaft dia. d ₁ (mm)	Unit No.	Boundary dimensions (mm)														Bolt size	Bearings			Housing No.	Unit No. with steel covers		Unit No. with cast covers		Mass of Unit (kg)		
		H	L	A	J	N	H ₁	H ₂	H _s	B ₁	A ₄	A ₅	A ₆	A ₇	No.		Basic load rating (N) C _r C _{0r}	Covers with rubber seal (End cover on one side)	Covers with rubber seal (End cover on one side)		standard	With steel cover	With cast cover				
35	UKIP208+H2308	60	200	60	150	19	25	115	115	46	86	90	17	14	M16	UK208+H2308	29300	17900	IP208	UKIP208C(E)+H2308	CUKIP208C(CE)+H2308	3.7	3.9	4.1			
40	UKIP209+H2309	70	210	60	160	19	25	128	130	50	92	90	19	13	M16	UK209+H2309	33000	20500	IP209	UKIP209C(E)+H2309	CUKIP209C(CE)+H2309	3.9	4.2	4.7			
45	UKIP210+H2310	70	220	60	170	19	28	132	133	55	92	98	17	15	M16	UK210+H2310	35500	23200	IP210	UKIP210C(E)+H2310	CUKIP210C(CE)+H2310	4.6	4.9	5.2			
50	UKIP211+H2311	80	230	60	180	19	28	148	150	59	97	100	19	15	M16	UK211+H2311	43000	29400	IP211	UKIP211C(E)+H2311	CUKIP211C(CE)+H2311	5.6	6.0	6.4			
55	UKIP212+H2312	80	260	70	200	22	30	155	155	62	113	114	24	20	M20	UK212+H2312	52500	36100	IP212	UKIP212C(E)+H2312	CUKIP212C(CE)+H2312	5.9	6.4	8.2			
60	UKIP213+H2313	90	280	70	220	22	30	172	172	65	111	118	21	20	M20	UK213+H2313	57500	40000	IP213	UKIP213C(E)+H2313	CUKIP213C(CE)+H2313	7.7	8.2	10.4			
	UKIP313+H2313	110	310	70	250	22	30	208	208	65	—	140	—	24	M20	UK313+H2313	92500	59700	IP313	—	CUKIP313C(CE)+H2313	12.4	—	16.5			
65	UKIP315+H2315	120	340	75	280	25	35	230	230	73	—	150	—	25	M22	UK315+H2315	114000	76900	IP315	—	CUKIP315C(CE)+H2315	16.3	—	22.2			
70	UKIP316+H2316	120	350	85	290	25	40	235	235	78	—	154	—	23	M22	UK316+H2316	123000	86400	IP316	—	CUKIP316C(CE)+H2316	21.0	—	25.2			
75	UKIP317+H2317	130	370	85	310	25	40	255	255	82	—	164	—	26	M22	UK317+H2317	132000	96500	IP317	—	CUKIP317C(CE)+H2317	23.1	—	29.6			
80	UKIP318+H2318	130	400	85	330	29	45	260	260	86	—	168	—	26	M24	UK318+H2318	143000	107200	IP318	—	CUKIP318C(CE)+H2318	25.9	—	34.2			
85	UKIP319+H2319	150	410	85	340	29	45	285	285	90	—	180	—	30	M24	UK319+H2319	153000	118400	IP319	—	CUKIP319C(CE)+H2319	29.7	—	38.7			
90	UKIP320+H2320	150	430	85	360	29	45	295	295	97	—	190	—	31	M24	UK320+H2320	173000	140400	IP320	—	CUKIP320C(CE)+H2320	33.4	—	44.8			
100	UKIP322+H2322	170	490	100	410	32	50	335	335	105	—	210	—	36	M27	UK322+H2322	205000	178800	IP322	—	CUKIP322C(CE)+H2322	50.5	—	61.9			
110	UKIP324+H2324	170	510	100	430	32	50	345	345	112	—	220	—	35	M27	UK324+H2324	207000	184800	IP324	—	CUKIP324C(CE)+H2324	56.3	—	72.5			
115	UKIP326+H2326	200	550	110	470	32	50	390	390	121	—	230	—	36	M27	UK326+H2326	229000	214300	IP326	—	CUKIP326C(CE)+H2326	73.5	—	95.8			
125	UKIP328+H2328	200	590	110	500	35	55	400	400	131	—	240	—	37	M30	UK328+H2328	255000	246000	IP328	—	CUKIP328C(CE)+H2328	83.8	—	106			

Remarks: 1. Grease nipple: 1/4-28UNF for bore number 13 and under
 PF1/8 for bore number 14 and over

Remarks: 2. Examples of unit numbers with covers:

- With steel cover { Covers with rubber seal on both sides :UKIP210C+H2310
- { An end cover and a cover with rubber seal :CUKIP210CE+H2310
- With cast cover { Covers with rubber seal on both sides :CUKIP210C(CE)+H2310
- { An end cover and a cover with rubber seal :CUKIP210CE(CE)+H2310

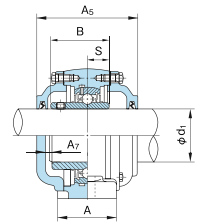
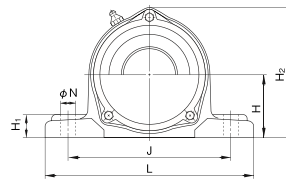
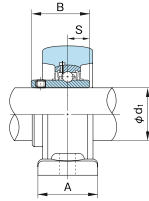
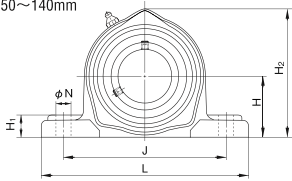
Cast Steel Pillow Block Units

UCPK type

With set screws

Cylindrical bore

Shaft dia.: 50~140mm



With cast cover

1N=0.102kgf

Shaft dia. d ₁ (mm)	Unit No.	Boundary dimensions (mm)												Bolt size	Bearings			Housing No.	Unit No. with cast covers		Mass of Unit (kg)	
		H	L	A	J	N	H ₁	H ₂	B	S	A ₅	A ₇	No.		Basic load rating (N)		Covers with rubber seal (End cover on one side)		standard	with cast cover		
		Cr	Cor																			
50	UCPK210	57.2	200	55	159	19	22	120	51.6	19	98	10	M16	UC210	35500	23200	PK210	CUCPK210C(CE)	3.5	4.4		
55	UCPK211	63.5	216	55	171	19	22	133	55.6	22.2	100	10	M16	UC211	43000	29400	PK211	CUCPK211C(CE)	4.5	5.7		
60	UCPK212	69.8	233	65	184	19	25	145	65.1	25.4	114	11	M16	UC212	52500	36100	PK212	CUCPK212C(CE)	5.7	6.8		
65	UCPK213	76.2	258	70	203	24	27	156	65.1	25.4	118	13	M20	UC213	57500	40000	PK213	CUCPK213C(CE)	6.7	8.2		
	UCPK313	90	326	85	260	24	36	188	75	30	140	17	M20	UC313	92500	59700	PK313	CUCPK313C(CE)	12.2	14.6		
70	UCPK214	79.4	266	72	210	24	27	162	74.6	30.2	134	16	M20	UC214	62000	44000	PK214	CUCPK214C(CE)	7.6	9.4		
	UCPK314	95	350	85	280	26	40	198	78	33	140	17	M22	UC314	104000	68000	PK314	CUCPK314C(CE)	14.8	17.5		
75	UCPK215	82.6	272	74	217	24	28	167	77.8	33.3	136	17	M20	UC215	66000	48200	PK215	CUCPK215C(CE)	8.1	10.3		
	UCPK315	100	366	90	290	26	40	208	82	32	150	17	M22	UC315	114000	76900	PK315	CUCPK315C(CE)	17.0	20.0		
80	UCPK216	88.9	288	75	232	24	30	188	82.6	33.3	146	15	M20	UC216	72500	53000	PK216	CUCPK216C(CE)	10.4	13.3		
	UCPK316	106	386	100	300	26	45	219	86	34	154	17	M22	UC316	123000	86400	PK316	CUCPK316C(CE)	19.7	23.4		
85	UCPK217	95.2	303	80	247	24	32	199	85.7	34.1	150	15	M20	UC217	83500	61800	PK217	CUCPK217C(CE)	12.2	15.4		
	UCPK317	112	407	105	320	32	45	234	96	40	164	18	M27	UC317	132000	96500	PK317	CUCPK317C(CE)	22.9	27.3		
90	UCPK218	101.6	322	85	262	26	34	211	96	39.7	164	17	M22	UC218	95500	71400	PK218	CUCPK218C(CE)	15.2	18.9		
	UCPK318	118	417	105	330	32	50	245	96	40	168	20	M27	UC318	143000	107200	PK318	CUCPK318C(CE)	25.9	30.8		
95	UCPK319	125	455	115	360	35	50	257	103	41	180	20	M30	UC319	153000	118400	PK319	CUCPK319C(CE)	33.1	38.4		
100	UCPK320	140	475	115	380	35	55	282	108	42	190	21	M30	UC320	173000	140400	PK320	CUCPK320C(CE)	40.2	46.4		
105	UCPK321	140	475	115	380	35	55	287	112	44	194	21	M30	UC321	183000	153100	PK321	CUCPK321C(CE)	40.4	47.4		
110	UCPK322	150	505	130	400	38	60	305	117	46	210	26	M33	UC322	205000	178800	PK322	CUCPK322C(CE)	47.8	55.9		
120	UCPK324	160	555	130	450	38	70	328	126	51	220	25	M33	UC324	207000	184800	PK324	CUCPK324C(CE)	63.8	75.2		
130	UCPK326	180	585	130	480	38	80	358	135	54	230	24	M33	UC326	229000	214300	PK326	CUCPK326C(CE)	81.6	94.4		
140	UCPK328	200	605	130	500	38	80	388	145	59	240	24	M33	UC328	255000	246000	PK328	CUCPK328C(CE)	95.9	110		

Remarks: 1. Please contact NACHI for units number appeared in italic.
 2. Grease nipple: 1/4-28UNF for bore number 13 and under
 PF1/8 for bore number 14 and over

Remarks: 3. Examples of unit numbers with covers:
 With cast cover { Covers with rubber seal on both sides :CUCPK210C
 { An end cover and a cover with rubber seal :CUCPK210CE

Cast Steel Pillow Block Units

UKPK+H type
 With adapter assembly
 Tapered bore
 Shaft dia.: 45~125mm



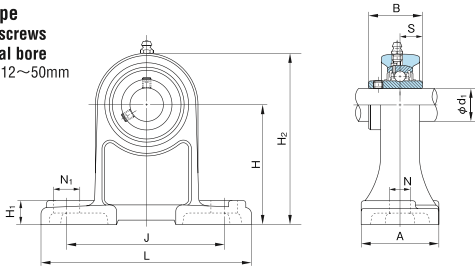
1N=0.102kgf

Shaft dia. d ₁ (mm)	Unit No.	Boundary dimensions (mm)											Bolt size	Bearings			Housing No.	Unit No. with cast covers		Mass of Unit (kg)	
		H	L	A	J	N	H ₁	H ₂	B ₁	A ₅	A ₇	No.		Basic load rating (N)		Both covers with rubber seal (one side end cover)		standard	with cast cover		
		Cr	Cor																		
45	<i>UKPK210+H2310</i>	57.2	200	55	159	19	22	120	55	98	15	M16	<i>UK210+H2310</i>	35500	23200	PK210	<i>CUKPK210C(CE)+H2310</i>	3.6	4.6		
50	<i>UKPK211+H2311</i>	63.5	216	55	171	19	22	133	59	100	15	M16	<i>UK211+H2311</i>	43000	29400	PK211	<i>CUKPK211C(CE)+H2311</i>	4.7	5.9		
55	<i>UKPK212+H2312</i>	69.8	233	65	184	19	25	145	62	114	20	M16	<i>UK212+H2312</i>	52500	36100	PK212	<i>CUKPK212C(CE)+H2312</i>	5.7	6.9		
60	<i>UKPK213+H2313</i>	76.2	258	70	203	24	27	156	65	118	20	M20	<i>UK213+H2313</i>	57500	40000	PK213	<i>CUKPK213C(CE)+H2313</i>	6.8	8.4		
	<i>UKPK313+H2313</i>	90	326	85	260	24	36	188	65	140	24	M20	<i>UK313+H2313</i>	92500	59700	PK313	<i>CUKPK313C(CE)+H2313</i>	12.1	14.6		
65	<i>UKPK215+H2315</i>	82.6	272	74	217	24	28	167	73	136	26	M20	<i>UK215+H2315</i>	66000	48200	PK215	<i>CUKPK215C(CE)+H2315</i>	8.5	10.7		
	<i>UKPK315+H2315</i>	100	366	90	290	26	40	208	73	150	25	M22	<i>UK315+H2315</i>	114000	76900	PK315	<i>CUKPK315C(CE)+H2315</i>	17.2	20.4		
70	<i>UKPK216+H2316</i>	88.9	288	75	232	24	30	188	78	146	26	M20	<i>UK216+H2316</i>	72500	53000	PK216	<i>CUKPK216C(CE)+H2316</i>	10.9	13.8		
	<i>UKPK316+H2316</i>	106	386	100	300	26	45	219	78	154	23	M22	<i>UK316+H2316</i>	123000	86400	PK316	<i>CUKPK316C(CE)+H2316</i>	20.0	23.7		
75	<i>UKPK217+H2317</i>	95.2	303	80	247	24	32	199	82	150	26	M20	<i>UK217+H2317</i>	83500	61800	PK217	<i>CUKPK217C(CE)+H2317</i>	12.8	16.1		
	<i>UKPK317+H2317</i>	112	407	105	320	32	45	234	82	164	26	M27	<i>UK317+H2317</i>	132000	96500	PK317	<i>CUKPK317C(CE)+H2317</i>	22.9	27.4		
80	<i>UKPK218+H2318</i>	101.6	322	85	262	26	34	211	86	164	31	M22	<i>UK218+H2318</i>	95500	71400	PK218	<i>CUKPK218C(CE)+H2318</i>	15.5	19.4		
	<i>UKPK318+H2318</i>	118	417	105	330	32	50	245	86	168	26	M27	<i>UK318+H2318</i>	143000	107200	PK318	<i>CUKPK318C(CE)+H2318</i>	26.1	31.2		
85	<i>UKPK319+H2319</i>	125	455	115	360	35	50	257	90	180	30	M30	<i>UK319+H2319</i>	153000	118400	PK319	<i>CUKPK319C(CE)+H2319</i>	33.1	38.7		
90	<i>UKPK320+H2320</i>	140	475	115	380	35	55	282	97	190	31	M30	<i>UK320+H2320</i>	173000	140400	PK320	<i>CUKPK320C(CE)+H2320</i>	40.2	46.7		
100	<i>UKPK322+H2322</i>	150	505	130	400	38	60	305	105	210	36	M33	<i>UK322+H2322</i>	205000	178800	PK322	<i>CUKPK322C(CE)+H2322</i>	47.9	56.5		
110	<i>UKPK324+H2324</i>	160	555	130	450	38	70	328	112	220	35	M33	<i>UK324+H2324</i>	207000	184800	PK324	<i>CUKPK324C(CE)+H2324</i>	63.3	75.1		
115	<i>UKPK326+H2326</i>	180	585	130	480	38	80	358	121	230	36	M33	<i>UK326+H2326</i>	229000	214300	PK326	<i>CUKPK326C(CE)+H2326</i>	81.9	95.3		
125	<i>UKPK328+H2328</i>	200	605	130	500	38	80	388	131	240	37	M33	<i>UK328+H2328</i>	255000	246000	PK328	<i>CUKPK328C(CE)+H2328</i>	96.2	111		

Remarks: 1. Please contact NACHI for units number appeared in italic.
 2. Grease nipple: 1/4-28UNF for bore number 13 and under
 PF1/8 for bore number 14 and over

Remarks: 3. Examples of unit numbers with covers:
 with cast cover { Covers with rubber seal on both sides :CUKPK210C+H2310
 An end cover and a cover with rubber seal:CUKPK210CE+H2310

■ Pillow Block Units
UCPH type
With set screws
Cylindrical bore
 Shaft dia.: 12~50mm



1N=0.102kgf

Shaft dia. d ₁ (mm)	Unit No.	Boundary dimensions (mm)											Bolt size	Bearings			Housing No.	Mass of Unit (kg)
		H	L	A	J	N	N ₁	H ₁	H ₂	B	S	No.		Basic load rating (N)				
														C _r	C _{or}			
12	UCPH201	70	127	40	95	13	19	15	101	31	12.7	M10	UC201	12800	6600	PH204	1.0	
15	UCPH202	70	127	40	95	13	19	15	101	31	12.7	M10	UC202	12800	6600	PH204	0.99	
17	UCPH203	70	127	40	95	13	19	15	101	31	12.7	M10	UC203	12800	6600	PH204	0.98	
20	UCPH204	70	127	40	95	13	19	15	101	31	12.7	M10	UC204	12800	6600	PH204	0.96	
25	UCPH205	80	140	50	105	13	19	16	114	34	14.3	M10	UC205	14000	7900	PH205	1.2	
30	UCPH206	90	165	50	121	17	21	18	130	38.1	15.9	M14	UC206	19600	11300	PH206	1.9	
35	UCPH207	95	167	60	127	17	21	19	140	42.9	17.5	M14	UC207	25900	15400	PH207	2.4	
40	UCPH208	100	184	70	137	17	25	19	149	49.2	19	M14	UC208	29300	17900	PH208	2.8	
45	UCPH209	105	190	70	146	17	25	20	157	49.2	19	M14	UC209	33000	20500	PH209	3.2	
50	UCPH210	110	206	70	159	20	25	22	165	51.6	19	M16	UC210	35500	23200	PH210	3.6	

Remark: Grease nipple :1/4-28UNF

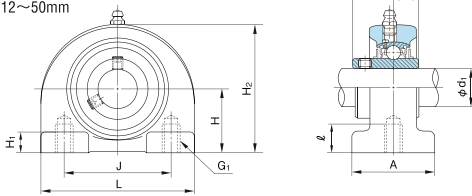
Pillow Block Units

UCPA type

With set screws

Cylindrical bore

Shaft dia.: 12~50mm

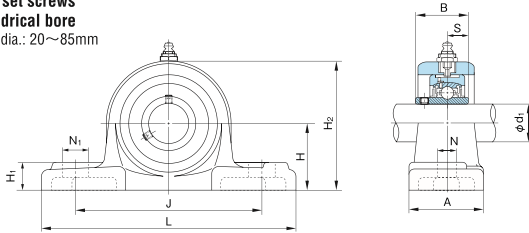


1N=0.102kgf

Shaft dia. d ₁ (mm)	Unit No.	Boundary dimensions (mm)										Bearings			Housing No.	Mass of Unit (kg)
		H	L	A	J	G ₁	ℓ	H ₁	H ₂	B	S	No.	Basic load rating (N)			
		Cr	Cor													
12	UCPA201	30.2	76	38	52	M10×1.5	12	8	62	31	12.7	UC201	12800	6600	PA204	0.59
15	UCPA202	30.2	76	38	52	M10×1.5	12	8	62	31	12.7	UC202	12800	6600	PA204	0.57
17	UCPA203	30.2	76	38	52	M10×1.5	12	8	62	31	12.7	UC203	12800	6600	PA204	0.56
20	UCPA204	30.2	76	38	52	M10×1.5	12	8	62	31	12.7	UC204	12800	6600	PA204	0.54
25	UCPA205	36.5	84	38	56	M10×1.5	15	10	72	34	14.3	UC205	14000	7900	PA205	0.73
30	UCPA206	42.9	94	48	66	M14×2	18	10	84	38.1	15.9	UC206	19600	11300	PA206	1.11
35	UCPA207	47.6	110	48	80	M14×2	20	12	95	42.9	17.5	UC207	25900	15400	PA207	1.63
40	UCPA208	49.2	116	54	84	M14×2	20	12	100	49.2	19	UC208	29300	17900	PA208	1.85
45	UCPA209	54.2	120	54	90	M14×2	25	12	108	49.2	19	UC209	33000	20500	PA209	2.11
50	UCPA210	57.2	130	60	94	M16×2	25	14	116	51.6	19	UC210	35500	23200	PA210	2.52

Remark: Grease nipple: 1/4-28UNF

Pillow Block Units
UCEP type
With set screws
Cylindrical bore
 Shaft dia.: 20~85mm



1N=0.102kgf

Shaft dia. d ₁ (mm)	Unit No.	Boundary dimensions (mm)											Axial displacement (mm)	Bolt size	Bearings			Housing No.		Mass of Unit (kg)
		H	L	A	J	N	N ₁	H ₁	H ₂	B	S	No.			Basic load rating (N)		Pillow type Housing	Cartridge type Housing		
												Cr			Cor					
20	UCEP204	36.5	140	38	105	13	16	16	73	31	12.7	10	M10	UC204	12800	6600	EP204	EC204	1.1	
25	UCEP205	44.4	159	51	119	17	20	18	85	34	14.3	10	M14	UC205	14000	7900	EP205	EC205	1.5	
30	UCEP206	47.6	175	57	127	17	20	20	94	38.1	15.9	10	M14	UC206	19600	11300	EP206	EC206	2.0	
35	UCEP207	54	203	57	144	17	20	22	108	42.9	17.5	10	M14	UC207	25900	15400	EP207	EC207	2.7	
40	UCEP208	58.7	222	67	156	20	24	26	116	49.2	19	10	M16	UC208	29300	17900	EP209	EC208	3.5	
45	UCEP209	58.7	222	67	156	20	24	26	116	49.2	19	10	M16	UC209	33000	20500	EP209	EC209	3.4	
50	UCEP210	63.5	241	73	171	20	26	27	126	51.6	19	10	M16	UC210	35500	23200	EP210	EC210	4.1	
55	UCEP211	69.8	260	79	184	25	28	30	139	55.6	22.2	10	M20	UC211	43000	29400	EP211	EC211	5.6	
60	UCEP212	76.2	286	83	203	25	30	32	151	65.1	25.4	10	M20	UC212	52500	36100	EP212	EC212	7.1	
65	UCEP213	76.2	286	83	203	25	30	32	154	65.1	25.4	10	M20	UC213	57500	40000	EP213	EC213	7.0	
70	UCEP214	88.9	330	89	229	27	31	35	177	74.6	30.2	10	M22	UC214	62000	44000	EP215	EC214	10.8	
75	UCEP215	88.9	330	89	229	27	31	35	177	77.8	33.3	10	M22	UC215	66000	48200	EP215	EC215	10.9	
80	UCEP216	101.6	381	102	283	27	40	42	205	82.6	33.3	15	M22	UC216	72500	53000	EP217	EC216	17.1	
85	UCEP217	101.6	381	102	283	27	40	42	205	85.7	34.1	15	M22	UC217	83500	61800	EP217	EC217	16.4	

Remarks: 1. This unit allows the movement in axial direction to be used on free side and the mounting dimensions are equal to UCPX00 type.
 2. Grease nipple: 1/4-28UNF for bore number 13 and under
 PF1/8 for bore number 14 and over

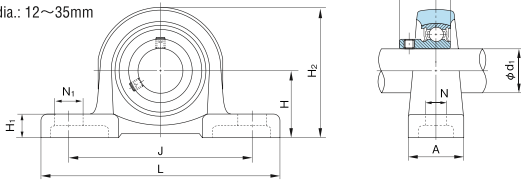
Pillow Block Units

BLLP type

With set screws

Cylindrical bore

Shaft dia.: 12~35mm

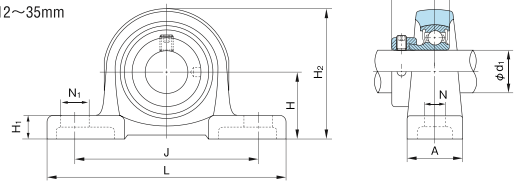


KHLLP type

With eccentric collar

Cylindrical bore

Shaft dia.: 12~35mm



BLLP type

Shaft dia. d ₁ (mm)	Unit No.	Boundary dimensions (mm)										Bolt size	Bearings			Housing No.	Mass of Unit (kg)
		H	L	A	J	N	N ₁	H ₁	H ₂	B	S		No.	Basic load rating (N)			
		Cr	Cor														
12	BLLP1J	30.2	114	25	87	12	16	12	57	22	6	M10	B1	9550	4800	LLP3J	0.39
15	BLLP2J	30.2	114	25	87	12	16	12	57	22	6	M10	B2	9550	4800	LLP3J	0.38
17	BLLP3J	30.2	114	25	87	12	16	12	57	22	6	M10	B3	9550	4800	LLP3J	0.36
20	BLLP4J	33.3	125	27	97	12	16	13	64	24.7	7	M10	B4	12800	6600	LLP4J	0.48
25	BLLP5J	36.5	130	29	100	12	16	13	70	27	7.5	M10	B5	14000	7900	LLP5J	0.59
30	BLLP6J	42.9	156	33	120	14	21	15	83	30.3	8	M12	B6	19600	11300	LLP6J	0.70
35	BLLP7J	47.6	165	35	127	14	21	16	93	32.9	8.5	M12	B7	25900	15400	LLP7J	0.98

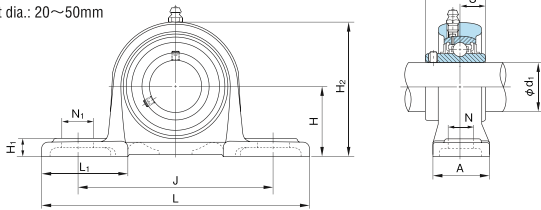
Remark: Spherical bearing seating diameter of housing is applied tolerance class J7.

KHLLP type

Shaft dia. d ₁ (mm)	Unit No.	Boundary dimensions (mm)										Bolt size	Bearings			Housing No.	Mass of Unit (kg)
		H	L	A	J	N	N ₁	H ₁	H ₂	B ₁	S		No.	Basic load rating (N)			
		Cr	Cor														
12	KHLLP201AJ	30.2	114	25	87	12	16	12	57	28.6	6.5	M10	KH201AE	9550	4800	LLP3J	0.41
15	KHLLP202AJ	30.2	114	25	87	12	16	12	57	28.6	6.5	M10	KH202AE	9550	4800	LLP3J	0.40
17	KHLLP203AJ	30.2	114	25	87	12	16	12	57	28.6	6.5	M10	KH203AE	9550	4800	LLP3J	0.39
20	KHLLP204AJ	33.3	125	27	97	12	16	13	64	31	7.5	M10	KH204AE	12800	6600	LLP4J	0.52
25	KHLLP205AJ	36.5	130	29	100	12	16	13	70	31	7.5	M10	KH205AE	14000	7900	LLP5J	0.63
30	KHLLP206AJ	42.9	156	33	120	14	21	15	83	35.7	9	M12	KH206AE	19600	11300	LLP6J	0.76
35	KHLLP207AJ	47.6	165	35	127	14	21	16	93	38.9	9.5	M12	KH207AE	25900	15400	LLP7J	1.09

Remark: Spherical bearing seating diameter of housing is applied tolerance class J7.

Pillow Block Units
MUCP type (Stainless Steel)
 With set screws
 Cylindrical bore
 Shaft dia.: 20~50mm



1N=0.102kgf

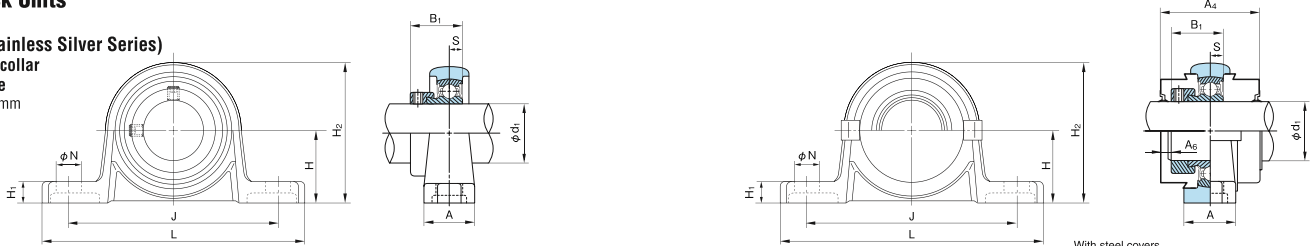
Shaft dia. d ₁ (mm)	Unit No.	Boundary dimensions (mm)												Bolt size	Bearings			Housing No.	Mass of Unit (kg)
		H	L	A	J	N	N ₁	H ₁	H ₂	L ₁	B	S	No.		Basic load rating (N)				
		Cr	Cor																
20	MUCP204	33.3	127	30	95	13	19	9	64	42	31	12.7	M10	MUC204	10900	5300	MP204	0.50	
25	MUCP205	36.5	140	30	105	13	19	10	70	42	34	14.3	M10	MUC205	11900	6300	MP205	0.65	
30	MUCP206	42.9	165	36	121	17	21	11	82	53	38.1	15.9	M14	MUC206	16700	9050	MP206	0.95	
35	MUCP207	47.6	167	38	127	17	21	12	92	54	42.9	17.5	M14	MUC207	22000	12300	MP207	1.25	
40	MUCP208	49.2	184	40	137	17	22	12	98	52	49.2	19	M14	MUC208	24900	14300	MP208	1.50	
45	MUCP209	54	190	40	146	17	22	13	105	60	49.2	19	M14	MUC209	28100	16400	MP209	1.75	
50	MUCP210	57.2	206	45	159	20	25	14	112	65	51.6	19	M16	MUC210	30200	18600	MP210	2.05	

Remark: Grease nipple: 1/4-28UNF

Silver series

Pillow Block Units

UP type
MUP type (Stainless Silver Series)
With eccentric collar
Cylindrical bore
Shaft dia.: 8~30mm



UP type

Shaft dia. d ₁ (mm)	Unit No.	Boundary dimensions (mm)												Bolt size	Bearings			Housing No.	Unit No. with covers		Cover No. (Reference)			Mass of Unit (kg)	
		H	L	A	J	N	H ₁	H ₂	B ₁	S	A ₄	A ₆	No.		Basic load rating (N)		Covers with rubber seal (End cover on one side)		Cover with rubber seal	Side end cover	standard	with steel cover			
		Cr	Cor																						
10	UP000	18	67	16	53	7	6	35	17.5	4	33	2	M 6	U000+ER	4600	2000	P000	UP000C(E)	000CP10	000CPE	77	85			
12	UP001	19	71	16	56	7	6	38	17.5	4	33	2	M 6	U001+ER	5100	2400	P001	UP001C(E)	001CP12	001CPE	91	100			
15	UP002	22	80	16	63	7	7	43	18.5	4.5	34	2	M 6	U002+ER	5600	2800	P002	UP002C(E)	002CP15	002CPE	125	135			
17	UP003	24	85	18	67	7	7	47	20.5	5	38	2	M 6	U003+ER	6000	3300	P003	UP003C(E)	003CP17	003CPE	156	170			
20	UP004	28	100	20	80	10	9	55	24.5	6	46	3	M 8	U004+ER	9350	5100	P04-5	UP004C(E)	04-5CP20	04-5CPE	230	250			
25	UP005	32	112	20	90	10	10	62	25.5	6	47	3	M 8	U005+ER	10100	5800	P05-6	UP005C(E)	05-6CP25	05-6CPE	294	315			
30	UP006	36	132	26	106	13	11	70	26.5	6.5	50	4	M10	U006+ER	13200	8300	P06-7	UP006C(E)	06-7CP30	06-7CPE	454	480			
8	UP08	15	55	13	42	4.8	5	29	15	3.5	—	—	M 4	U08+ER(*)	3300	1260	P08	—	—	—	47	—			

Note: (*) Set screw type U08X is also available and the width of inner ring is 12mm.
Remarks: 1. Please contact NACHI for unit numbers appearing in *italics*.

Remarks: 2. Examples of unit numbers with covers: Covers with rubber seal on both sides :UP005C
An end cover and a cover with rubber seal :UP005E

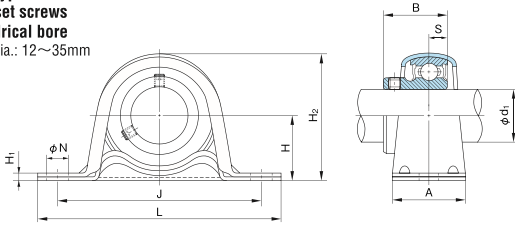
MUP type (Stainless Silver Series)

Shaft dia. d ₁ (mm)	Unit No.	Boundary dimensions (mm)												Bolt size	Bearings			Housing No.	Unit No. with covers		Cover No. (Reference)			Mass of Unit (kg)	
		H	L	A	J	N	H ₁	H ₂	B ₁	S	A ₄	A ₆	No.		Basic load rating (N)		Covers with rubber seal (End cover on one side)		Cover with rubber seal	Side end cover	standard	with steel cover			
		Cr	Cor																						
10	MUP000	18	67	16	53	7	6	35	17.5	4	33	2	M 6	MU000+ER	3900	1550	P000Z3	MUP000C(E)	000CP10	000CPE	77	85			
12	MUP001	19	71	16	56	7	6	38	17.5	4	33	2	M 6	MU001+ER	4300	1900	P001Z3	MUP001C(E)	001CP12	001CPE	91	100			
15	MUP002	22	80	16	63	7	7	43	18.5	4.5	34	2	M 6	MU002+ER	4750	2250	P002Z3	MUP002C(E)	002CP15	002CPE	125	135			
17	MUP003	24	85	18	67	7	7	47	20.5	5	38	2	M 6	MU003+ER	5100	2650	P003Z3	MUP003C(E)	003CP17	003CPE	156	170			
20	MUP004	28	100	20	80	10	9	55	24.5	6	46	3	M 8	MU004+ER	7900	4000	P04-5Z3	MUP004C(E)	04-5CP20	04-5CPE	230	250			
25	MUP005	32	112	20	90	10	10	62	25.5	6	47	3	M 8	MU005+ER	8600	4650	P05-6Z3	MUP005C(E)	05-6CP25	05-6CPE	294	315			
30	MUP006	36	132	26	106	13	11	70	26.5	6.5	50	4	M10	MU006+ER	11300	6600	P06-7Z3	MUP006C(E)	06-7CP30	06-7CPE	454	480			

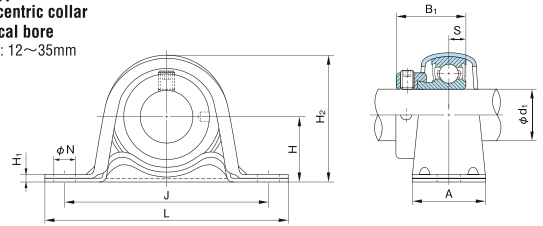
Remark: Examples of unit numbers with covers: Covers with rubber seal on both sides :MUP005C
An end cover and a cover with rubber seal :MUP005E

Pressed Steel Pillow Block Units

BPP type
With set screws
Cylindrical bore
Shaft dia.: 12~35mm



KHPP type
With eccentric collar
Cylindrical bore
Shaft dia.: 12~35mm



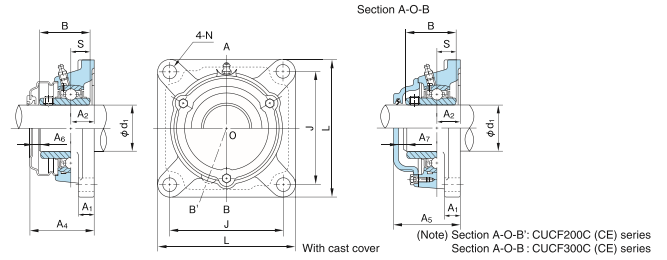
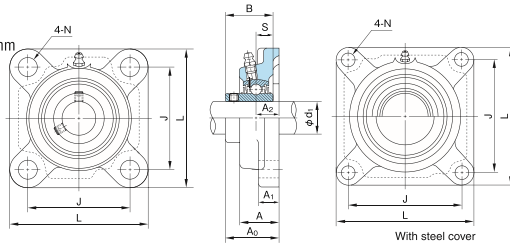
BPP type

Shaft dia. d1 (mm)	Unit No.	Boundary dimensions (mm)										Bolt size	Bearings				Mass of Unit (kg)	Limiting load (N)	
		H	L	A	J	N	H1	H2	B	S	No.		Basic load rating (N)		Housing No.	Radial		Axial	
													Cr	Cor					
12	BPP1	22.2	86	25	68	9.5	3.2	44	22	6	M 8	B1	9550	4800	PP3	0.16	2150	830	
15	BPP2	22.2	86	25	68	9.5	3.2	44	22	6	M 8	B2	9550	4800	PP3	0.15	2150	830	
17	BPP3	22.2	86	25	68	9.5	3.2	44	22	6	M 8	B3	9550	4800	PP3	0.13	2150	830	
20	BPP4	25.4	98	32	76	9.5	3.2	50	24.7	7	M 8	B4	12800	6600	PP4	0.21	2650	1030	
25	BPP5	28.6	108	32	86	11.5	4	56	27	7.5	M10	B5	14000	7900	PP5	0.29	3700	1470	
30	BPP6	33.3	117	38	95	11.5	4	66	30.3	8	M10	B6	19600	11300	PP6	0.42	4400	1670	
35	BPP7	39.7	129	42	106	11.5	4.6	78	32.9	8.5	M10	B7	25900	15400	PP7	0.61	4900	1860	

KHPP type

Shaft dia. d1 (mm)	Unit No.	Boundary dimensions (mm)										Bolt size	Bearings				Mass of Unit (kg)	Limiting load (N)	
		H	L	A	J	N	H1	H2	B1	S	No.		Basic load rating (N)		Housing No.	Radial		Axial	
													Cr	Cor					
12	KHPP201A	22.2	86	25	68	9.5	3.2	44	28.6	6.5	M 8	KH201AE	9550	4800	PP3	0.18	2150	830	
15	KHPP202A	22.2	86	25	68	9.5	3.2	44	28.6	6.5	M 8	KH202AE	9550	4800	PP3	0.17	2150	830	
17	KHPP203A	22.2	86	25	68	9.5	3.2	44	28.6	6.5	M 8	KH203AE	9550	4800	PP3	0.16	2150	830	
20	KHPP204A	25.4	98	32	76	9.5	3.2	50	31	7.5	M 8	KH204AE	12800	6600	PP4	0.25	2650	1030	
25	KHPP205A	28.6	108	32	86	11.5	4	56	31	7.5	M10	KH205AE	14000	7900	PP5	0.33	3700	1470	
30	KHPP206A	33.3	117	38	95	11.5	4	66	35.7	9	M10	KH206AE	19600	11300	PP6	0.48	4400	1670	
35	KHPP207A	39.7	129	42	106	11.5	4.6	78	38.9	9.5	M10	KH207AE	25900	15400	PP7	0.72	4900	1860	

Square Flange Units
UCF type
With set screws
Cylindrical bore
Shaft dia.: 12~60mm

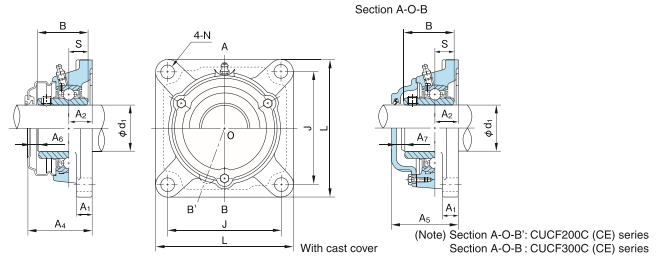
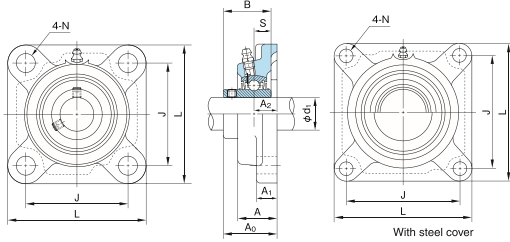


Shaft dia. d1 (mm)	Unit No.	Boundary dimensions (mm)														Bolt size	Bearings			Housing No.	Unit No. with steel cover Cover with rubber seal (End cover)	Unit No. with cast cover Cover with rubber seal (End cover)	Mass of Unit (kg)		
		L	A	J	N	A1	A2	A0	B	S	A4	A5	A6	A7	No.		Basic load rating (N)	Cr	Cor				standard	with steel cover	with cast cover
																	1N=0.102kgf								
12	UCF201	86	25.5	64	12	12	15	33.3	31	12.7	43	46	8	6	M10	UC201	12800	6600	F204	UCF201C(E)	CUCF201C(CE)	0.64	0.67	1.0	
15	UCF202	86	25.5	64	12	12	15	33.3	31	12.7	43	46	8	6	M10	UC202	12800	6600	F204	UCF202C(E)	CUCF202C(CE)	0.62	0.65	1.0	
17	UCF203	86	25.5	64	12	12	15	33.3	31	12.7	43	46	8	6	M10	UC203	12800	6600	F204	UCF203C(E)	CUCF203C(CE)	0.61	0.64	1.0	
20	UCF204	86	25.5	64	12	12	15	33.3	31	12.7	43	46	8	6	M10	UC204	12800	6600	F204	UCF204C(E)	CUCF204C(CE)	0.59	0.62	1.0	
25	UCF205	95	27	70	12	14	16	35.7	34	14.3	48	51	11	9	M10	UC205	14000	7900	F205	UCF205C(E)	CUCF205C(CE)	0.82	0.86	1.2	
	UCF205	108	30	83	12	13	18	40.2	38.1	15.9	51	—	9	—	M10	UCX05	19600	11300	FX05	UCFX05C(E)	—	1.1	1.2	—	
	UCF305	110	29	80	16	13	16	39	38	15	—	55	—	10	M14	UC305	21300	10900	F305	—	CUCF305C(CE)	1.2	—	1.6	
30	UCF206	108	31	83	12	14	18	40.2	38.1	15.9	51	55	9	8	M10	UC206	19600	11300	F206	UCF206C(E)	CUCF206C(CE)	1.1	1.2	1.6	
	UCFX06	117	34	92	16	14	19	44.4	42.9	17.5	54	—	8	—	M14	UCX06	25900	15400	FX06	UCFX06C(E)	—	1.3	1.3	—	
	UCF306	125	32	95	16	15	18	44	43	17	—	60	—	10	M14	UC306	26800	15000	F306	—	CUCF306C(CE)	1.7	—	2.1	
35	UCF207	117	34	92	14	16	19	44.4	42.9	17.5	54	59	8	8	M12	UC207	25900	15400	F207	UCF207C(E)	CUCF207C(CE)	1.5	1.6	2.1	
	UCFX07	130	38	102	16	14	21	51.2	49.2	19	63	—	10	—	M14	UCX07	29300	17900	FX07	UCFX07C(E)	—	1.8	1.8	—	
	UCF307	135	36	100	19	16	20	49	48	19	—	65	—	10	M16	UC307	33500	19200	F307	—	CUCF307C(CE)	2.1	—	2.6	
40	UCF208	130	36	102	16	16	21	51.2	49.2	19	62	66	10	8	M14	UC208	29300	17900	F208	UCF208C(E)	CUCF208C(CE)	2.0	2.1	2.7	
	UCFX08	137	40	105	19	14	22	52.2	49.2	19	63	—	10	—	M16	UCX08	33000	20500	FX08	UCFX08C(E)	—	1.8	1.8	—	
	UCF308	150	40	112	19	17	23	56	52	19	—	73	—	11	M16	UC308	40500	23900	F308	—	CUCF308C(CE)	2.9	—	3.4	
45	UCF209	137	38	105	16	18	22	52.2	49.2	19	63	67	10	8	M14	UC209	33000	20500	F209	UCF209C(E)	CUCF209C(CE)	2.4	2.5	3.1	
	UCFX09	143	40	111	19	14	23	55.6	51.6	19	67	—	9	—	M16	UCX09	35500	23200	FX09	UCFX09C(E)	—	2.4	2.5	—	
	UCF309	160	44	125	19	18	25	60	57	22	—	78	—	12	M16	UC309	51500	29500	F309	—	CUCF309C(CE)	3.6	—	4.3	
50	UCF210	143	40	111	16	18	22	54.6	51.6	19	66	71	9	10	M14	UC210	35500	23200	F210	UCF210C(E)	CUCF210C(CE)	2.5	2.6	3.6	
	UCFX10	162	44	130	19	20	26	59.4	55.6	22.2	70	—	9	—	M16	UCX10	43000	29400	FX10	UCFX10C(E)	—	3.6	3.7	—	
	UCF310	175	48	132	23	19	28	67	61	22	—	85	—	12	M20	UC310	61500	38200	F310	—	CUCF310C(CE)	4.7	—	5.5	
55	UCF211	162	43	130	19	20	25	58.4	55.6	22.2	69	75	9	10	M16	UC211	43000	29400	F211	UCF211C(E)	CUCF211C(CE)	3.4	3.6	4.6	
	UCFX11	175	49	143	19	20	29	68.7	65.1	25.4	79	—	9	—	M16	UCX11	52500	36100	FX11	UCFX11C(E)	—	4.5	4.6	—	
	UCF311	185	52	140	23	20	30	71	66	25	—	90	—	13	M20	UC311	71500	44800	F311	—	CUCF311C(CE)	5.7	—	6.7	
60	UCF212	175	48	143	19	20	29	68.7	65.1	25.4	80	86	10	11	M16	UC212	52500	36100	F212	UCF212C(E)	CUCF212C(CE)	4.6	4.8	5.9	
	UCFX12	187	59	149	19	21	34	73.7	65.1	25.4	86	—	11	—	M16	UCX12	57500	40000	FX12	UCFX12C(E)	—	5.3	5.5	—	
	UCF312	195	56	150	23	22	33	78	71	26	—	98	—	14	M20	UC312	81500	52000	F312	—	CUCF312C(CE)	6.8	—	7.7	

Remarks: 1. Grease nipple : 1/4-28UNF

Remarks: 2. Examples of unit numbers with cover:
 With steel cover { Cover with rubber seal :UCF210C
 End cover UCF210E
 With cast cover { Cover with rubber seal :CUCF210C
 End cover CUCF210CE

Square Flange Units
UCF type
 With set screws
 Cylindrical bore
 Shaft dia.:
 65~140mm

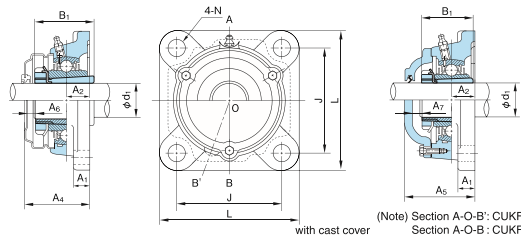
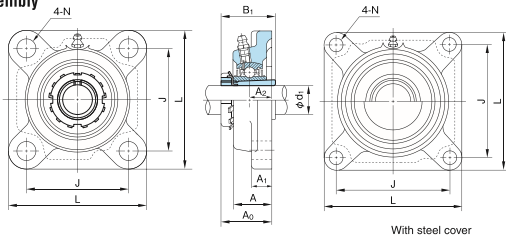


Shaft dia. d ₁ (mm)	Unit No.	Boundary dimensions (mm)													Bolt size	Bearings			Housing No.	Unit No. with steel cover Cover with rubber seal (End cover)	Unit No. with cast cover Cover with rubber seal (End cover)	Mass of Unit (kg)		
		L	A	J	N	A ₁	A ₂	A ₀	B	S	A ₄	A ₅	A ₆	A ₇		No.	Basic load rating (N) Cr	Cor				standard	With steel cover	With cast cover
65	UCF213	187	50	149	19	20	30	69.7	65.1	25.4	81	89	10	13	M16	UC213	57500	40000	F213	UCF213C(E)	CUCF213C(CE)	5.5	5.8	7.1
	UCFX13	187	59	149	19	21	34	78.4	74.6	30.2	—	—	—	—	M16	UCX13	62000	44000	FX13	—	—	5.5	—	—
	UCF313	208	58	166	23	22	33	78	75	30	—	103	—	17	M20	UC313	92500	59700	F313	—	CUCF313C(CE)	7.8	—	11.5
70	UCF214	193	54	152	19	24	31	75.4	74.6	30.2	—	98	—	16	M16	UC214	62000	44000	F214	—	CUCF214C(CE)	6.1	—	7.8
	UCFX14	197	60	152	23	24	37	81.5	77.8	33.3	—	—	—	—	M20	UCX14	66000	48200	FX14	—	—	7.7	—	—
	UCF314	226	61	178	25	25	36	81	78	33	—	106	—	17	M22	UC314	104000	68000	F314	—	CUCF314C(CE)	9.6	—	12.1
75	UCF215	200	56	159	19	24	34	78.5	77.8	33.3	—	102	—	17	M16	UC215	66000	48200	F215	—	CUCF215C(CE)	6.9	—	8.6
	UCFX15	197	68	152	23	24	40	89.3	82.6	33.3	—	—	—	—	M20	UCX15	72500	53000	FX15	—	—	7.7	—	—
	UCF315	236	66	184	25	25	39	89	82	32	—	114	—	17	M22	UC315	114000	76900	F315	—	CUCF315C(CE)	11.7	—	13.6
80	UCF216	208	58	165	23	24	34	83.3	82.6	33.3	—	107	—	15	M20	UC216	72500	53000	F216	—	CUCF216C(CE)	7.8	—	10.0
	UCFX16	214	70	171	23	24	40	91.6	85.7	34.1	—	—	—	—	M20	UCX16	83500	61800	FX16	—	—	10.2	—	—
	UCF316	250	68	196	31	27	38	90	86	34	—	115	—	17	M27	UC316	123000	86400	F316	—	CUCF316C(CE)	13.7	—	15.9
85	UCF217	220	63	175	23	26	36	87.6	85.7	34.1	—	111	—	15	M20	UC217	83500	61800	F217	—	CUCF217C(CE)	9.3	—	11.8
	UCFX17	214	70	171	23	24	40	96.3	96	39.7	—	—	—	—	M20	UCX17	95500	71400	FX17	—	—	10.2	—	—
	UCF317	260	74	204	31	27	44	100	96	40	—	126	—	18	M27	UC317	132000	96500	F317	—	CUCF317C(CE)	15.2	—	18.4
90	UCF218	235	68	187	23	26	40	96.3	96	39.7	—	122	—	17	M20	UC218	95500	71400	F218	—	CUCF218C(CE)	11.3	—	14.9
	UCFX18	214	76	171	23	24	45	106.1	104	42.9	—	—	—	—	M20	UCX18	109000	81600	FX18	—	—	10.6	—	—
	UCF318	280	76	216	35	30	44	100	96	40	—	128	—	20	M30	UC318	143000	107200	F318	—	CUCF318C(CE)	18.8	—	21.5
95	UCF319	290	94	228	35	30	59	121	103	41	—	149	—	20	M30	UC319	153000	118400	F319	—	CUCF319C(CE)	20.7	—	24.2
100	UCFX20	268	97	211	31	31	59	127.3	117.5	49.2	—	—	—	—	M27	UCX20	134000	104700	FX20	—	—	16.8	—	—
	UCF320	310	94	242	38	32	59	125	108	42	—	154	—	21	M33	UC320	173000	140400	F320	—	CUCF320C(CE)	24.8	—	29.6
	UCF321	310	94	242	38	32	59	127	112	44	—	156	—	21	M33	UC321	183000	153100	F321	—	CUCF321C(CE)	25.6	—	32.2
110	UCF322	340	96	266	41	35	60	131	117	46	—	165	—	26	M36	UC322	205000	178800	F322	—	CUCF322C(CE)	34.7	—	38.7
120	UCF324	370	110	290	41	40	65	140	126	51	—	175	—	25	M36	UC324	207000	184800	F324	—	CUCF324C(CE)	47.2	—	52.3
130	UCF326	410	115	320	41	45	65	146	135	54	—	180	—	24	M36	UC326	229000	214300	F326	—	CUCF326C(CE)	62.7	—	67.3
140	UCF328	450	125	350	41	55	75	161	145	59	—	195	—	24	M36	UC328	255000	246000	F328	—	CUCF328C(CE)	87.0	—	89.4

Remarks: 1. Grease nipple: 1/4-28UNF for bore number 13 and under
 PF1/8 for bore number 14 and over

Remarks: 2. Examples of unit numbers with cover:
 With steel cover { Cover with rubber seal :UCF213C
 End cover :UCF213E
 With cast cover { Cover with rubber seal :CUCF213C
 End cover :CUCF213CE

Square Flange Units
UKF+H type
 With adapter assembly
 Tapered bore
 Shaft dia.:
 20~60mm



(Note) Section A-O-B: CUKF200C (CE) series+H series
 Section A-O-B: CUKF300C (CE) series+H series

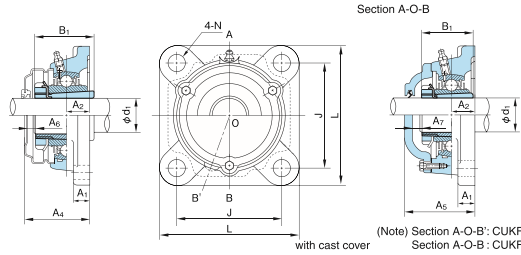
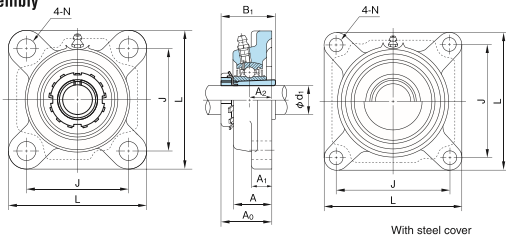
Shaft dia. d_1 (mm)	Unit No.	Boundary dimensions (mm)											Bolt size	Bearings			Housing No.	Unit No. with steel cover with rubber seal (End cover)	Unit No. with cast cover Cover with rubber seal (End cover)	Mass of Unit (kg)				
		L	A	J	N	A ₁	A ₂	A ₃	B ₁	A ₄	A ₅	A ₆		A ₇	No.	Basic load rating (N) Cr				Cor	standard	With steel cover	with cast cover	
20	UKF205+H2305	95	27	70	12	14	16	35.5	35	48	51	11	9	M10	UK205+H2305	14000	7900	F205	UKF205C(E)+H2305	CUKF205C(CE)+H2305	0.87	0.91	1.3	
	UKFX05+H2305	108	30	83	12	13	18	39	35	51	—	10	—	M10	UKX05+H2305	19600	11300	FX05	UKFX05C(E)+H2305	—	—	1.1	1.2	—
	UKF305+H2305	110	29	80	16	13	16	37	35	—	55	—	12	M14	UK305+H2305	21300	10900	F305	—	CUKF305C(CE)+H2305	1.2	—	1.7	
25	UKF206+H2306	108	31	83	12	14	18	39	38	51	55	10	10	M10	UK206+H2306	19600	11300	F206	UKF206C(E)+H2306	CUKF206C(CE)+H2306	1.2	1.3	1.7	
	UKFX06+H2306	117	34	92	16	14	19	40.5	38	54	—	12	—	M14	UKX06+H2306	25900	15400	FX06	UKFX06C(E)+H2306	—	—	1.4	1.4	—
	UKF306+H2306	125	32	95	16	15	18	40.5	38	—	60	—	13	M14	UK306+H2306	26800	15000	F306	—	CUKF306C(CE)+H2306	1.7	—	2.2	
30	UKF207+H2307	117	34	92	14	16	19	41.5	43	54	59	11	11	M12	UK207+H2307	25900	15400	F207	UKF207C(E)+H2307	CUKF207C(CE)+H2307	1.5	1.7	2.2	
	UKFX07+H2307	130	38	102	16	14	21	44.5	43	63	—	17	—	M14	UKX07+H2307	29300	17900	FX07	UKFX07C(E)+H2307	—	—	1.8	1.8	—
	UKF307+H2307	135	36	100	19	16	20	44.5	43	—	65	—	14	M16	UK307+H2307	33500	19200	F307	—	CUKF307C(CE)+H2307	2.1	—	2.7	
35	UKF208+H2308	130	36	102	16	16	21	45.5	46	62	66	15	14	M14	UK208+H2308	29300	17900	F208	UKF208C(E)+H2308	CUKF208C(CE)+H2308	2.1	2.2	2.8	
	UKFX08+H2308	137	40	105	19	14	22	47	46	63	—	15	—	M16	UKX08+H2308	33000	20500	FX08	UKFX08C(E)+H2308	—	—	1.8	1.8	—
	UKF308+H2308	150	40	112	19	17	23	50	46	—	73	—	17	M16	UK308+H2308	40500	23900	F308	—	CUKF308C(CE)+H2308	3.0	—	3.5	
40	UKF209+H2309	137	38	105	16	18	22	48	50	63	67	14	13	M14	UK209+H2309	33000	20500	F209	UKF209C(E)+H2309	CUKF209C(CE)+H2309	2.5	2.6	3.2	
	UKFX09+H2309	143	40	111	19	14	23	49.5	50	67	—	16	—	M16	UKX09+H2309	35500	23200	FX09	UKFX09C(E)+H2309	—	—	2.4	2.5	—
	UKF309+H2309	160	44	125	19	18	25	54.5	50	—	78	—	17	M16	UK309+H2309	51500	29500	F309	—	CUKF309C(CE)+H2309	3.6	—	4.4	
45	UKF210+H2310	143	40	111	16	18	22	49.5	55	66	71	15	15	M14	UK210+H2310	35500	23200	F210	UKF210C(E)+H2310	CUKF210C(CE)+H2310	2.7	2.8	3.8	
	UKFX10+H2310	162	44	130	19	20	26	54.5	55	70	—	14	—	M16	UKX10+H2310	43000	29400	FX10	UKFX10C(E)+H2310	—	—	3.6	3.7	—
	UKF310+H2310	175	48	132	23	19	28	60	55	—	85	—	19	M20	UK310+H2310	61500	38200	F310	—	CUKF310C(CE)+H2310	4.8	—	5.8	
50	UKF211+H2311	162	43	130	19	20	25	53.5	59	69	75	14	15	M16	UK211+H2311	43000	29400	F211	UKF211C(E)+H2311	CUKF211C(CE)+H2311	3.6	3.8	4.8	
	UKFX11+H2311	175	49	143	19	20	29	59	59	79	—	19	—	M16	UKX11+H2311	52500	36100	FX11	UKFX11C(E)+H2311	—	—	4.3	4.4	—
	UKF311+H2311	185	52	140	23	20	30	63.5	59	—	90	—	20	M20	UK311+H2311	71500	44800	F311	—	CUKF311C(CE)+H2311	5.7	—	6.8	
55	UKF212+H2312	175	48	143	19	20	29	60	62	80	86	19	20	M16	UK212+H2312	52500	36100	F212	UKF212C(E)+H2312	CUKF212C(CE)+H2312	4.6	4.9	6.0	
	UKFX12+H2312	187	59	149	19	21	34	66	62	86	—	19	—	M16	UKX12+H2312	57500	40000	FX12	UKFX12C(E)+H2312	—	—	5.3	5.4	—
	UKF312+H2312	195	56	150	23	22	33	69	62	—	98	—	23	M20	UK312+H2312	81500	52000	F312	—	CUKF312C(CE)+H2312	6.7	—	7.8	
60	UKF213+H2313	187	50	149	19	20	30	63	65	81	89	17	20	M16	UK213+H2313	57500	40000	F213	UKF213C(E)+H2313	CUKF213C(CE)+H2313	5.7	6.0	7.2	
	UKFX13+H2313	187	59	149	19	21	34	68	65	—	—	—	—	M16	UKX13+H2313	62000	44000	FX13	—	—	5.2	—	—	
	UKF313+H2313	208	58	166	23	22	33	71	65	—	103	—	24	M20	UK313+H2313	92500	59700	F313	—	CUKF313C(CE)+H2313	7.7	—	11.5	

Remarks: 1. Grease nipple: 1/4-28UNF

Remarks: 2. Examples of unit numbers with cover:

- With steel cover { Cover with rubber seal: UKF210C+H2310
- { End cover: UKF210E+H2310
- with cast cover { Cover with rubber seal: CUKF210C+H2310
- { End cover: CUKF210CE+H2310

Square Flange Units
UKF+H type
With adapter assembly
Tapered bore
 Shaft dia.:
 65~125mm



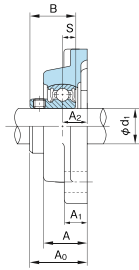
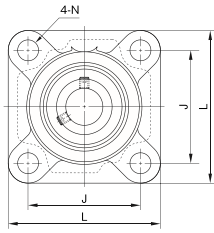
(Note) Section A-O-B: CUKF200C (CE) series+H series
 Section A-O-B: CUKF300C (CE) series+H series

Shaft dia. d_1 (mm)	Unit No.	Boundary dimensions (mm)											Bolt size	Bearings			Housing No.	Unit No. with steel cover Cover with rubber seal (End cover)	Unit No. with cast cover Cover with rubber seal (End cover)	Mass of Unit (kg)			
		L	A	J	N	A ₁	A ₂	A ₃	B ₁	A ₄	A ₅	A ₆		A ₇	No.	Basic load rating (N) Cr				Cor	standard	With steel cover	with cast cover
65	UKF215+H2315	200	56	159	19	24	34	69.5	73	—	102	—	26	M16	UK215+H2315	66000	48200	F215	—	CUKF215C(CE)+H2315	7.3	—	9.0
	UKFX15+H2315	197	68	152	23	24	40	77	73	—	—	—	M20	UKX15+H2315	72500	53000	FX15	—	—	7.7	—	—	
	UKF315+H2315	236	66	184	25	25	39	81	73	—	114	—	M22	UK315+H2315	114000	76900	F315	—	CUKF315C(CE)+H2315	11.8	—	14.0	
70	UKF216+H2316	208	58	165	23	24	34	73	78	—	107	—	M20	UK216+H2316	72500	53000	F216	—	CUKF216C(CE)+H2316	8.2	—	10.4	
	UKFX16+H2316	214	70	171	23	24	40	80	78	—	—	—	M20	UKX16+H2316	83500	61800	FX16	—	—	10.2	—	—	
	UKF316+H2316	250	68	196	31	27	38	83.5	78	—	115	—	M27	UK316+H2316	123000	86400	F316	—	CUKF316C(CE)+H2316	13.9	—	16.3	
75	UKF217+H2317	220	63	175	23	26	36	77	82	—	111	—	M20	UK217+H2317	83500	61800	F217	—	CUKF217C(CE)+H2317	9.8	—	12.4	
	UKFX17+H2317	214	70	171	23	24	40	82.5	82	—	—	—	M20	UKX17+H2317	95500	71400	FX17	—	—	10.1	—	—	
	UKF317+H2317	260	74	204	31	27	44	92	82	—	126	—	M27	UK317+H2317	132000	96500	F317	—	CUKF317C(CE)+H2317	15.1	—	18.6	
80	UKF218+H2318	235	68	187	23	26	40	82.5	86	—	122	—	M20	UK218+H2318	95500	71400	F218	—	CUKF218C(CE)+H2318	11.7	—	15.3	
	UKFX18+H2318	214	76	171	23	24	45	89	86	—	—	—	M20	UKX18+H2318	109000	81600	FX18	—	—	10.2	—	—	
	UKF318+H2318	280	76	216	35	30	44	93.5	86	—	128	—	M30	UK318+H2318	143000	107200	F318	—	CUKF318C(CE)+H2318	19.0	—	22.5	
85	UKF319+H2319	290	94	228	35	30	59	111	90	—	149	—	M30	UK319+H2319	153000	118400	F319	—	CUKF319C(CE)+H2319	20.8	—	24.4	
	UKFX20+H2320	268	97	211	31	31	59	108	97	—	—	—	M27	UKX20+H2320	134000	104700	FX20	—	—	15.9	—	—	
90	UKF320+H2320	310	94	242	38	32	59	115	97	—	154	—	M33	UK320+H2320	173000	140400	F320	—	CUKF320C(CE)+H2320	24.8	—	30.2	
	UKFX22+H2322	340	96	266	41	35	60	121	105	—	165	—	M36	UK322+H2322	205000	178800	F322	—	CUKF322C(CE)+H2322	34.8	—	39.4	
100	UKF324+H2324	370	110	290	41	40	65	130	112	—	175	—	M36	UK324+H2324	207000	184800	F324	—	CUKF324C(CE)+H2324	46.7	—	52.5	
	UKF326+H2326	410	115	320	41	45	65	134	121	—	180	—	M36	UK326+H2326	229000	214300	F326	—	CUKF326C(CE)+H2326	63.0	—	68.8	
125	UKF328+H2328	450	125	350	41	55	75	148	131	—	195	—	M36	UK328+H2328	255000	246000	F328	—	CUKF328C(CE)+H2328	87.3	—	90.9	

Remarks: 1. Grease nipple: PF1/B

Remarks: 2. Examples of unit numbers with cover:
 With cast cover { Cover with rubber seal: CUKF215C+H2315
 End cover :CUKF215CE+H2315

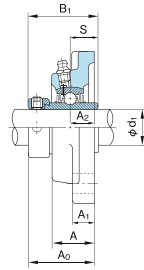
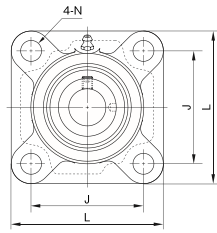
Square Flange Units
BF type
 With set screws
 Cylindrical bore
 Shaft dia.: 20~35mm



1N=0.102kgf

Shaft dia. d_1 (mm)	Unit No.	Boundary dimensions (mm)										Bolt size	Bearings			Housing No.	Mass of Unit (kg)
		L	A	J	N	A ₁	A ₂	A ₀	B	S	No.		Basic load rating (N)				
													C _r	C _{0r}			
20	BF204	86	25.5	64	12	12	15	32.7	24.7	7	M10	B4	12800	6600	F204 G00	0.55	
25	BF205	95	27	70	12	14	16	36.2	27	7.5	M10	B5	14000	7900	F205 G00	0.79	
30	BF206	108	31	83	12	14	18	40.3	30.3	8	M10	B6	19600	11300	F206 G00	1.1	
35	BF207	117	34	92	14	16	19	43.4	32.9	8.5	M12	B7	25900	15400	F207 G00	1.5	

Square Flange Units
UGF type
With eccentric collar
Cylindrical bore
 Shaft dia.: 20~60mm

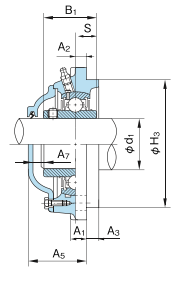
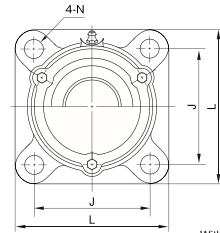
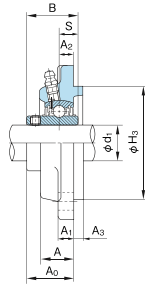
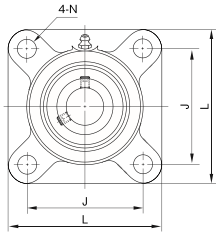


Shaft dia. d ₁ (mm)	Unit No.	Boundary dimensions (mm)										Bolt size	Bearings			Housing No.	Mass of Unit (kg)
		L	A	J	N	A ₁	A ₂	A ₀	B ₁	S	No.		Basic load rating (N)				
													Cr	Cor			
20	UGF204	86	25.5	64	12	12	15	41.6	43.7	17.1	M10	UG204+ER	12800	6600	F204	0.63	
25	UGF205	95	27	70	12	14	16	42.9	44.4	17.5	M10	UG205+ER	14000	7900	F205	0.76	
30	UGF206	108	31	83	12	14	18	48.1	48.4	18.3	M10	UG206+ER	19600	11300	F206	1.1	
35	UGF207	117	34	92	14	16	19	51.3	51.1	18.8	M12	UG207+ER	25900	15400	F207	1.5	
40	UGF208	130	36	102	16	16	21	55.9	56.3	21.4	M14	UG208+ER	29300	17900	F208	1.9	
45	UGF209	137	38	105	16	18	22	56.9	56.3	21.4	M14	UG209+ER	33000	20500	F209	2.9	
50	UGF210	143	40	111	16	18	22	60.1	62.7	24.6	M14	UG210+ER	35500	23200	F210	2.5	
55	UGF211	162	43	130	19	20	25	68.6	71.4	27.8	M16	UG211+ER	43000	29400	F211	3.6	
60	UGF212	175	48	143	19	20	29	75.8	77.8	31	M16	UG212+ER	52500	36100	F212	4.3	

Remark: Grease nipple: 1/4-28UNF

1N=0.102kgf

Square Flange Units with spigot joint
UCFS type
With set screws
Cylindrical bore
 Shaft dia.: 25~140mm



With cast covers

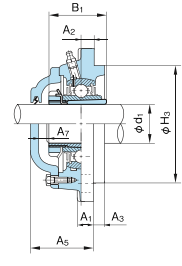
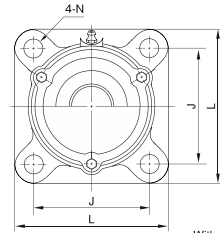
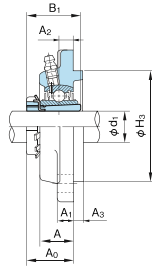
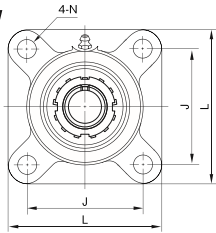
1N=0.102kgf

Shaft dia. d ₁ (mm)	Unit No.	Boundary dimensions (mm)													Bolt size	Bearings			Housing No.	Unit No. with cast cover		Mass of Unit (kg)	
		L	A	J	N	A ₁	A ₂	A ₃	H ₃	A ₀	B	S	A ₅	A ₇		No.	Basic load rating (N)			Cover with rubber seal (End cover)	standard	With cast cover	
																	Cr	Cor					
25	UCFS305	110	22	80	16	13	9	7	80	32	38	15	48	10	M14	UC305	21300	10900	FS305	CUCFS305C(CE)	1.4	1.7	
30	UCFS306	125	24	95	16	15	10	8	90	36	43	17	52	10	M14	UC306	26800	15000	FS306	CUCFS306C(CE)	1.9	2.3	
35	UCFS307	135	27	100	19	16	11	9	100	40	48	19	56	10	M16	UC307	33500	19200	FS307	CUCFS307C(CE)	2.4	2.8	
40	UCFS308	150	30	112	19	17	13	10	115	46	52	19	63	11	M16	UC308	40500	23900	FS308	CUCFS308C(CE)	3.3	3.8	
45	UCFS309	160	33	125	19	18	14	11	125	49	57	22	67	12	M16	UC309	51500	29500	FS309	CUCFS309C(CE)	4.0	4.8	
50	UCFS310	175	36	132	23	19	16	12	140	55	61	22	73	12	M20	UC310	61500	38200	FS310	CUCFS310C(CE)	5.3	6.1	
55	UCFS311	185	39	140	23	20	17	13	150	58	66	25	77	13	M20	UC311	71500	44800	FS311	CUCFS311C(CE)	6.2	8.2	
60	UCFS312	195	42	150	23	22	19	14	160	64	71	26	84	14	M20	UC312	81500	52000	FS312	CUCFS312C(CE)	7.4	8.5	
65	UCFS313	208	40	166	23	22	15	18	175	60	75	30	85	17	M20	UC313	92500	59700	FS313	CUCFS313C(CE)	8.6	10.6	
70	UCFS314	226	43	178	25	25	18	18	185	63	78	33	88	17	M22	UC314	104000	68000	FS314	CUCFS314C(CE)	11.2	13.0	
75	UCFS315	236	48	184	25	25	21	18	200	71	82	32	96	17	M22	UC315	114000	76900	FS315	CUCFS315C(CE)	12.7	15.5	
80	UCFS316	250	48	196	31	27	18	20	210	70	86	34	95	17	M27	UC316	123000	86400	FS316	CUCFS316C(CE)	14.3	17.6	
85	UCFS317	260	54	204	31	27	24	20	220	80	96	40	106	18	M27	UC317	132000	96500	FS317	CUCFS317C(CE)	17.2	20.7	
90	UCFS318	280	56	216	35	30	24	20	240	80	96	40	108	20	M30	UC318	143000	107200	FS318	CUCFS318C(CE)	20.4	24.9	
95	UCFS319	290	74	228	35	30	39	20	250	101	103	41	129	20	M30	UC319	153000	118400	FS319	CUCFS319C(CE)	23.9	27.4	
100	UCFS320	310	74	242	38	32	39	20	260	105	108	42	134	21	M33	UC320	173000	140400	FS320	CUCFS320C(CE)	27.1	33.9	
105	UCFS321	310	74	242	38	32	39	20	260	107	112	44	136	21	M33	UC321	183000	153100	FS321	CUCFS321C(CE)	28.5	35.7	
110	UCFS322	340	71	266	41	35	35	25	300	106	117	46	140	26	M36	UC322	205000	178800	FS322	CUCFS322C(CE)	36.8	43.6	
120	UCFS324	370	80	290	41	40	35	30	330	110	126	51	145	25	M36	UC324	207000	184800	FS324	CUCFS324C(CE)	50.6	58.6	
130	UCFS326	410	85	320	41	45	35	30	360	116	135	54	150	24	M36	UC326	229000	214300	FS326	CUCFS326C(CE)	67.8	75.7	
140	UCFS328	450	95	350	41	55	45	30	400	131	145	59	165	24	M36	UC328	255000	246000	FS328	CUCFS328C(CE)	96.3	100	

Remarks: 1. Grease nipple: 1/4-29UNF for bore number 13 and under
 FF1/8 for bore number 14 and over

Remarks: 2. Examples of unit numbers with cover:
 With cast cover { Cover with rubber seal :CUCFS310C
 End cover :CUCFS310CE

Square Flange Units with spigot joint
UKFS+H type
 With adapter assembly
 Tapered bore
 Shaft dia. : 20~125mm



With cast covers

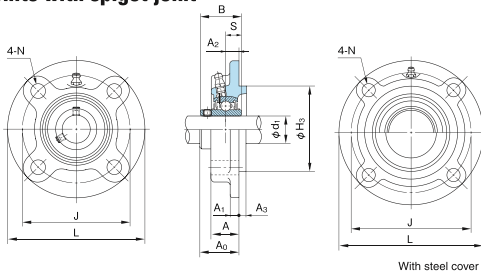
1N=0.102kgf

Shaft dia. d ₁ (mm)	Unit No.	Boundary dimensions (mm)												Bolt size	Bearings			Housing No.	Unit No. with cast cover Cover with rubber seal (End cover)	Mass of Unit (kg)	
		L	A	J	N	A ₁	A ₂	A ₃	H ₃	A ₆	B ₁	A ₅	A ₇		No.	Basic load rating (N) Cr	Cor			standard	With cast cover
20	UKFS305+H2305	110	22	80	16	13	9	7	80	30	35	48	12	M14	UK305+H2305	21300	10900	FS305	CUKFS305C(CE)+H2305	1.4	1.8
25	UKFS306+H2306	125	24	95	16	15	10	8	90	32.5	38	52	13	M14	UK306+H2306	26800	15000	FS306	CUKFS306C(CE)+H2306	1.9	2.4
30	UKFS307+H2307	135	27	100	19	16	11	9	100	35.5	43	56	14	M16	UK307+H2307	33500	19200	FS307	CUKFS307C(CE)+H2307	2.4	2.9
35	UKFS308+H2308	150	30	112	19	17	13	10	115	40	46	63	17	M16	UK308+H2308	40500	23900	FS308	CUKFS308C(CE)+H2308	3.3	3.9
40	UKFS309+H2309	160	33	125	19	18	14	11	125	43.5	50	67	17	M16	UK309+H2309	51500	29500	FS309	CUKFS309C(CE)+H2309	4.0	4.9
45	UKFS310+H2310	175	36	132	23	19	16	12	140	48	55	73	19	M20	UK310+H2310	61500	38200	FS310	CUKFS310C(CE)+H2310	5.3	6.4
50	UKFS311+H2311	185	39	140	23	20	17	13	150	50.5	59	77	20	M20	UK311+H2311	71500	44800	FS311	CUKFS311C(CE)+H2311	6.2	8.3
55	UKFS312+H2312	195	42	150	23	22	19	14	160	55	62	84	23	M20	UK312+H2312	81500	52000	FS312	CUKFS312C(CE)+H2312	7.4	8.6
60	UKFS313+H2313	208	40	166	23	22	15	18	175	53	65	85	24	M20	UK313+H2313	92500	59700	FS313	CUKFS313C(CE)+H2313	8.5	10.6
65	UKFS315+H2315	236	48	184	25	25	21	18	200	63	73	96	25	M22	UK315+H2315	114000	76900	FS315	CUKFS315C(CE)+H2315	12.8	15.9
70	UKFS316+H2316	250	48	196	31	27	18	20	210	63.5	78	95	23	M27	UK316+H2316	123000	86400	FS316	CUKFS316C(CE)+H2316	14.5	18.0
75	UKFS317+H2317	260	54	204	31	27	24	20	220	72	82	106	26	M27	UK317+H2317	132000	96500	FS317	CUKFS317C(CE)+H2317	17.2	20.9
80	UKFS318+H2318	280	56	216	35	30	24	20	240	73.5	86	108	26	M30	UK318+H2318	143000	107200	FS318	CUKFS318C(CE)+H2318	20.6	25.9
85	UKFS319+H2319	290	74	228	35	30	39	20	250	91	90	129	30	M30	UK319+H2319	153000	118400	FS319	CUKFS319C(CE)+H2319	23.9	27.6
90	UKFS320+H2320	310	74	242	38	32	39	20	260	95	97	134	31	M33	UK320+H2320	173000	140400	FS320	CUKFS320C(CE)+H2320	27.1	34.5
100	UKFS322+H2322	340	71	266	41	35	35	25	300	96	105	140	36	M36	UK322+H2322	205000	178800	FS322	CUKFS322C(CE)+H2322	36.7	44.3
110	UKFS324+H2324	370	80	290	41	40	35	30	330	100	112	145	35	M36	UK324+H2324	207000	184800	FS324	CUKFS324C(CE)+H2324	50.1	58.8
115	UKFS326+H2326	410	85	320	41	45	35	30	360	104	121	150	36	M36	UK326+H2326	229000	214300	FS326	CUKFS326C(CE)+H2326	68.1	77.2
125	UKFS328+H2328	450	95	350	41	55	45	30	400	118	131	165	37	M36	UK238+H2328	255000	246000	FS328	CUKFS328C(CE)+H2328	96.6	102.0

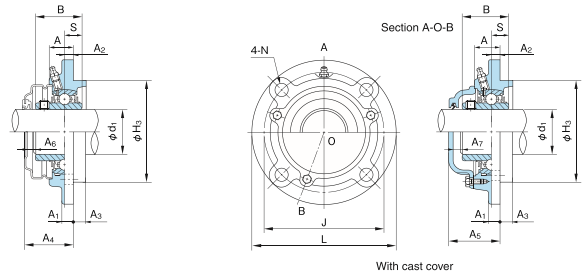
Remarks: 1. Grease nipple: 1/4-28UNF for bore number 13 and under
 PF1/8 for bore number 14 and over

Remarks: 2. Examples of unit numbers with cover:
 With cast cover { Cover with rubber seal :CUKFS310C+H2310
 End cover :CUKFS310CE+H2310

Round Flange Units with spigot joint
UCFC type
 With set screws
 Cylindrical bore
 Shaft dia.: 12~70mm



With steel cover



With cast cover

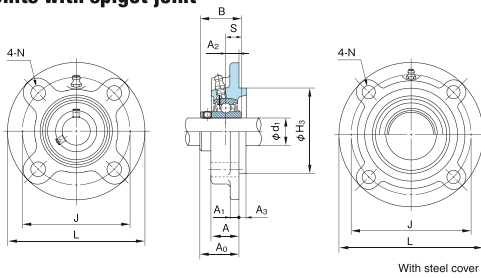
1N=0.102kgf

Shaft dia. d1 (mm)	Unit No.	Boundary dimensions (mm)																Bolt size	Bearings			Housing No.	Unit No. with steel cover		Unit No. with cast cover		Mass of Unit (kg)		
		L	A	J	N	A1	A2	A3	H3	A9	B	S	A4	A5	A6	A7	No.		Basic load rating (N)	Cr	Cor		Cover with rubber seal (End cover)	Cover with rubber seal (End cover)	standard	With steel cover	With cast cover		
12	UCFC201	100	20.5	78	12	7	10	5	62	28.3	31	12.7	38	41	8	6	M10	UC201	12800	6600	FC204	UCFC201C(E)	CUCFC201C(CE)	0.89	0.92	1.2			
15	UCFC202	100	20.5	78	12	7	10	5	62	28.3	31	12.7	38	41	8	6	M10	UC202	12800	6600	FC204	UCFC202C(E)	CUCFC202C(CE)	0.87	0.90	1.2			
17	UCFC203	100	20.5	78	12	7	10	5	62	28.3	31	12.7	38	41	8	6	M10	UC203	12800	6600	FC204	UCFC203C(E)	CUCFC203C(CE)	0.86	0.89	1.2			
20	UCFC204	100	20.5	78	12	7	10	5	62	28.3	31	12.7	38	41	8	6	M10	UC204	12800	6600	FC204	UCFC204C(E)	CUCFC204C(CE)	0.84	0.87	1.2			
25	UCFC205	115	21	90	12	7	10	6	70	29.7	34	14.3	42	45	11	9	M10	UC205	14000	7900	FC205	UCFC205C(E)	CUCFC205C(CE)	1.1	1.1	1.5			
	UCFC205	111	24	92	9.5	9.5	10	6	76	32.2	38.1	15.9	43	—	9	—	M 8	UCX05	19600	11300	FCX05	UCFC205C(E)	—	1.1	1.1	—			
30	UCFC206	125	23	100	12	8	10	8	80	32.2	38.1	15.9	43	47	9	8	M10	UC206	19600	11300	FC206	UCFC206C(E)	CUCFC206C(CE)	1.5	1.5	2.0			
	UCFC206	127	22.5	105	12	9.5	8	9.5	85	33.4	42.9	17.5	43	—	8	—	M10	UCX06	25900	15400	FCX06	UCFC206C(E)	—	1.4	1.4	—			
35	UCFC207	135	26	110	14	9	11	8	90	36.4	42.9	17.5	46	51	8	8	M12	UC207	25900	15400	FC207	UCFC207C(E)	CUCFC207C(CE)	1.7	1.8	2.4			
	UCFC207	133	26	111	12	11	9	11	92	39.2	49.2	19	48	—	7	—	M10	UCX07	29300	17900	FCX07	UCFC207C(E)	—	1.8	1.8	—			
40	UCFC208	145	26	120	14	9	11	10	100	41.2	49.2	19	52	56	10	8	M12	UC208	29300	17900	FC208	UCFC208C(E)	CUCFC208C(CE)	2.1	2.1	2.8			
	UCFC208	133	26	111	12	11	9	11	92	39.2	49.2	19	50	—	10	—	M10	UCX08	33000	20500	FCX08	UCFC208C(E)	—	1.8	1.8	—			
45	UCFC209	160	26	132	16	14	10	12	105	40.2	49.2	19	51	55	10	8	M14	UC209	33000	20500	FC309	UCFC209C(E)	CUCFC209C(CE)	3.0	3.1	3.7			
	UCFC209	155	25	130	14	11	8	12	108	40.6	51.6	19	52	—	10	—	M12	UCX09	35500	23200	FCX09	UCFC209C(E)	—	2.5	2.6	—			
50	UCFC210	165	28	138	16	14	10	12	110	42.6	51.6	19	54	59	9	10	M14	UC210	35500	23200	FC210	UCFC210C(E)	CUCFC210C(CE)	3.1	3.3	4.2			
	UCFC210	162	25	136	14	11	7	16	118	40.4	55.6	22.2	51	—	9	—	M12	UCX10	43000	29400	FCX10	UCFC210C(E)	—	2.9	3.0	—			
55	UCFC211	185	31	150	19	15	13	12	125	46.4	55.6	22.2	57	63	9	10	M16	UC211	43000	29400	FC211	UCFC211C(E)	CUCFC211C(CE)	3.9	4.0	5.0			
	UCFC211	180	26	152	16	13	4	22	127	43.7	65.1	25.4	54	—	9	—	M14	UCX11	52500	36100	FCX11	UCFC211C(E)	—	4.0	4.2	—			
60	UCFC212	195	36	160	19	15	17	12	135	56.7	65.1	25.4	68	74	10	11	M16	UC212	52500	36100	FC212	UCFC212C(E)	CUCFC212C(CE)	4.4	4.6	6.0			
	UCFC212	194	33	165	16	14	11	20	140	50.7	65.1	25.4	63	—	11	—	M14	UCX12	57500	40000	FCX12	UCFC212C(E)	—	4.6	4.8	—			
65	UCFC213	205	36	170	19	15	16	14	145	55.7	65.1	25.4	67	75	10	13	M16	UC213	57500	40000	FC213	UCFC213C(E)	CUCFC213C(CE)	5.3	5.5	7.0			
	UCFC213	194	33	165	16	14	11	20	140	55.4	74.6	30.2	—	—	—	—	M14	UCX13	62000	44000	FCX13	—	—	4.9	—	—			
70	UCFC214	215	40	177	19	18	17	14	150	61.4	74.6	30.2	—	84	—	16	M16	UC214	62000	44000	FC214	—	CUCFC214C(CE)	6.8	—	8.2			
	UCFC214	222	36	190	19	14	14	20	164	58.5	77.8	33.3	—	—	—	—	M16	UCX14	66000	48200	FCX14	—	—	7.4	—	—			

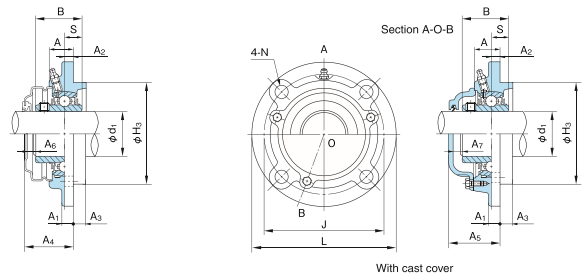
Remarks: 1. Grease nipple: 1/4-28UNF for bore number 13 and under
 PF1/8 for bore number 14 and over

Remarks: 2. Examples of unit numbers with cover:
 With steel cover { Cover with rubber seal :UCFC210C
 End cover :UCFC210E
 With cast cover { Cover with rubber seal :CUCFC210C
 End cover :CUCFC210CE

Round Flange Units with spigot joint
UCFC type
With set screws
Cylindrical bore
 Shaft dia.: 75~100mm



With steel cover



With cast cover

1N=0.102kgf

Shaft dia. d ₁ (mm)	Unit No.	Boundary dimensions (mm)															Bolt size	Bearings			Housing No.	Unit No. with steel cover Cover with rubber seal (End cover)	Unit No. with cast cover Cover with rubber seal (End cover)	Mass of Unit (kg)		
		L	A	J	N	A ₁	A ₂	A ₃	H ₃	A ₀	B	S	A ₄	A ₅	A ₆	A ₇		No.	Basic load rating (N) Cr	Cor				standard	With steel cover	With cast cover
75	UCFC215	220	40	184	19	18	18	16	160	62.5	77.8	33.3	—	86	—	17	M16	UC215	66000	48200	FC215	—	CUCFC215C(CE)	7.4	—	8.8
	UCFCX15	222	35	190	19	16	12	22	164	61.3	82.6	33.3	—	—	—	—	M16	UCX15	72500	53000	FCX15	—	—	7.4	—	—
80	UCFC216	240	42	200	23	18	18	16	170	67.3	82.6	33.3	—	91	—	15	M20	UC216	72500	53000	FC216	—	CUCFC216C(CE)	9.2	—	11.3
	UCFCX16	260	36	219	23	19	10	25	186	61.6	85.7	34.1	—	—	—	—	M20	UCX16	83500	61800	FCX16	—	—	11.5	—	—
85	UCFC217	250	45	208	23	20	18	18	180	69.6	85.7	34.1	—	93	—	15	M20	UC217	83500	61800	FC217	—	CUCFC217C(CE)	10.6	—	12.8
	UCFCX17	260	36	219	23	19	10	25	186	66.3	96	39.7	—	—	—	—	M20	UCX17	95500	71400	FCX17	—	—	11.1	—	—
90	UCFC218	265	50	220	23	20	22	18	190	78.3	96	39.7	—	104	—	17	M20	UC218	95500	71400	FC218	—	CUCFC218C(CE)	12.7	—	15.9
	UCFCX18	260	43	219	23	19	12	28	186	73.1	104	42.9	—	—	—	—	M20	UCX18	109000	81600	FCX18	—	—	11.3	—	—
100	UCFCX20	276	66	238	23	22	22	28	206	90.3	117.5	49.2	—	—	—	—	M20	UCX20	134000	104700	FCX20	—	—	15.9	—	—

Remarks: 1. Grease nipple: PF1/8

Remarks: 2. Examples of unit numbers with cover:
 Cover with rubber seal: CUCFC215C
 With cast cover End cover: CUCFC215CE

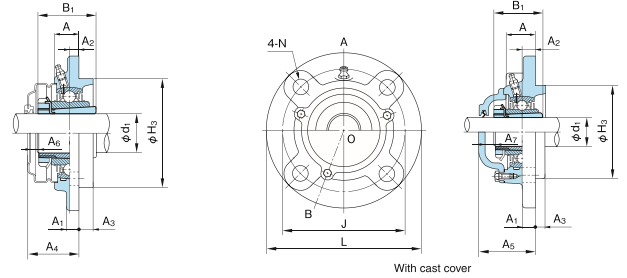
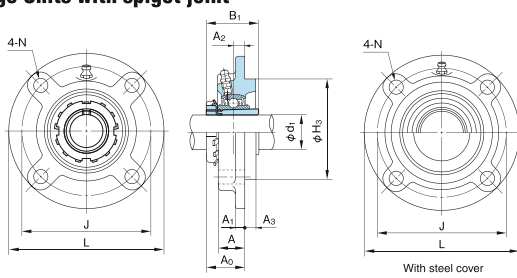
Round Flange Units with spigot joint

UKFC+H type

With adapter assembly

Tapered bore

Shaft dia.:
20~90mm



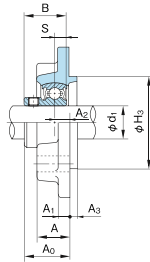
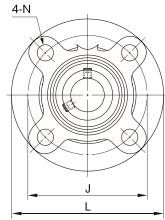
Shaft dia. d1 (mm)	Unit No.	Boundary dimensions (mm)														Bolt size	Bearings			Housing No.	Unit No. with steel cover		Unit No. with cast cover		Mass of Unit (kg)		
		L	A	J	N	A1	A2	A3	H3	A0	B1	A4	A5	A6	A7		No.	Basic load rating (N)	Cr		Cor	Cover with rubber seal (End cover)	Cover with rubber seal (End cover)	standard	With steel cover	With cast cover	
																	1N=0.102kgf										
20	UKFC205+H2305	115	21	90	12	7	10	6	70	29.5	35	42	45	11	9	M10	UK205+H2305	14000	7900	FC205	UKFC205C(E)+H2305	CUKFC205C(CE)+H2305	1.1	1.2	1.6		
	UKFCX05+H2305	111	24	92	9.5	9.5	10	6	76	31	35	43	—	10	—	M 8	UKX05+H2305	19600	11300	FCX05	—	—	1.1	1.1	—		
25	UKFC206+H2306	125	23	100	12	8	10	8	80	31	38	43	47	10	10	M10	UK206+H2306	19600	11300	FC206	UKFC206C(E)+H2306	CUKFC206C(CE)+H2306	1.6	1.6	2.1		
	UKFCX06+H2306	127	22.5	105	12	9.5	8	9.5	85	29.5	38	43	—	12	—	M10	UKX06+H2306	25900	15400	FCX06	—	—	1.5	1.5	—		
30	UKFC207+H2307	135	26	110	14	9	11	8	90	33.5	43	46	51	11	11	M12	UK207+H2307	25900	15400	FC207	UKFC207C(E)+H2307	CUKFC207C(CE)+H2307	1.8	1.9	2.5		
	UKFCX07+H2307	133	26	111	12	11	9	11	92	32.5	43	48	—	14	—	M10	UKX07+H2307	29300	17900	FCX07	—	—	1.8	1.8	—		
35	UKFC208+H2308	145	26	120	14	9	11	10	100	35.5	46	52	56	15	14	M12	UK208+H2308	29300	17900	FC208	UKFC208C(E)+H2308	CUKFC208C(CE)+H2308	2.2	2.2	2.9		
	UKFCX08+H2308	133	26	111	12	11	9	11	92	34	46	50	—	15	—	M10	UKX08+H2308	33000	20500	FCX08	—	—	1.8	1.8	—		
40	UKFC209+H2309	160	26	132	16	14	10	12	105	36	50	51	55	14	13	M14	UK209+H2309	33000	20500	FC209	UKFC209C(E)+H2309	CUKFC209C(CE)+H2309	3.1	3.2	3.8		
	UKFCX09+H2309	155	25	130	14	11	8	12	108	34.5	50	52	—	16	—	M12	UKX09+H2309	35500	23200	FCX09	—	—	2.5	2.6	—		
45	UKFC210+H2310	165	28	138	16	14	10	12	110	37.5	55	54	59	15	15	M14	UK210+H2310	35500	23200	FC210	UKFC210C(E)+H2310	CUKFC210C(CE)+H2310	3.3	3.5	4.4		
	UKFCX10+H2310	162	25	136	14	11	7	16	118	35.5	55	51	—	14	—	M12	UKX10+H2310	43000	29400	FCX10	UKFCX10C(E)+H2310	—	2.9	3.0	—		
50	UKFC211+H2311	185	31	150	19	15	13	12	125	41.5	59	57	63	14	15	M16	UK211+H2311	43000	29400	FC211	UKFC211C(E)+H2311	CUKFC211C(CE)+H2311	4.0	4.2	5.2		
	UKFCX11+H2311	180	26	152	16	13	4	22	127	34	59	54	—	19	—	M14	UKX11+H2311	52500	36100	FCX11	UKFCX11C(E)+H2311	—	3.9	4.0	—		
55	UKFC212+H2312	195	36	160	19	15	17	12	135	48	62	68	74	19	20	M16	UK212+H2312	52500	36100	FC212	UKFC212C(E)+H2312	CUKFC212C(CE)+H2312	4.4	4.7	6.1		
	UKFCX12+H2312	194	33	165	16	14	11	20	140	43	62	63	—	19	—	M14	UKX12+H2312	57500	40000	FCX12	UKFCX12C(E)+H2312	—	4.6	4.7	—		
60	UKFC213+H2313	205	36	170	19	15	16	14	145	49	65	67	75	17	20	M16	UK213+H2313	57500	40000	FC213	UKFC213C(E)+H2313	CUKFC213C(CE)+H2313	5.4	5.7	7.2		
	UKFCX13+H2313	194	33	165	16	14	11	20	140	45	65	—	—	—	—	M14	UKX13+H2313	62000	44000	FCX13	—	—	4.7	—	—		
65	UKFC215+H2315	220	40	184	19	18	18	16	160	53.5	73	—	86	—	26	M16	UK215+H2315	66000	48200	FC215	—	CUKFC215C(CE)+H2315	7.8	—	9.2		
	UKFCX15+H2315	222	35	190	19	16	12	22	164	49	73	—	—	—	—	M16	UKX15+H2315	72500	53000	FCX15	—	—	7.4	—	—		
70	UKFC216+H2316	240	42	200	23	18	18	16	170	57	78	—	91	—	26	M20	UK216+H2316	72500	53000	FC216	—	CUKFC216C(CE)+H2316	9.6	—	11.7		
	UKFCX16+H2316	260	36	219	23	19	10	25	186	50	78	—	—	—	—	M20	UKX16+H2316	83500	61800	FCX16	—	—	11.6	—	—		
75	UKFC217+H2317	250	45	208	23	20	18	18	180	59	82	—	93	—	26	M20	UK217+H2317	83500	61800	FC217	—	CUKFC217C(CE)+H2317	11.1	—	13.4		
	UKFCX17+H2317	260	36	219	23	19	10	25	186	52.5	82	—	—	—	—	M20	UKX17+H2317	95500	71400	FCX17	—	—	11.0	—	—		
80	UKFC218+H2318	265	50	220	23	20	22	18	190	64.5	86	—	104	—	31	M20	UK218+H2318	95500	71400	FC218	—	CUKFC218C(CE)+H2318	13.1	—	16.3		
	UKFCX18+H2318	260	43	219	23	19	12	28	186	56	86	—	—	—	—	M20	UKX18+H2318	109000	81600	FCX18	—	—	11.0	—	—		
90	UKFCX20+H2320	276	66	238	23	22	22	28	206	71	97	—	—	—	—	M20	UKX20+H2320	134000	104700	FCX20	—	—	14.9	—	—		

Remarks: 1. Grease nipple: 1/4-28UNF for bore number 13 and under
PF1/8 for bore number 14 and over

Remarks: 2. Examples of unit numbers with cover:

- With steel cover: { Cover with rubber seal : UKFC210C+H2310
- { End cover : UKFC210E+H2310
- With cast cover: { Cover with rubber seal : CUKFC210C+H2310
- { End cover : CUKFC210CE+H2310

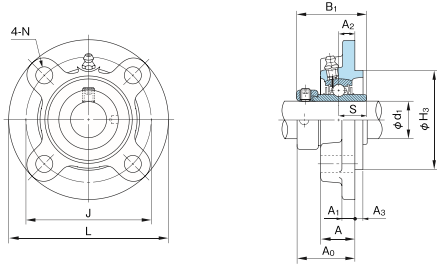
Round Flange Units with spigot joint
BFC type
 With set screws
 Cylindrical bore
 Shaft dia.: 20~35mm



Shaft dia. d ₁ (mm)	Unit No.	Boundary dimensions (mm)											Bolt size	Bearings			Housing No.	Mass of Unit (kg)
		L	A	J	N	A ₁	A ₂	A ₃	H ₃	A ₀	B	S		No.	Basic load rating (N)			
															C _r	C _{0r}		
20	BFC204	100	20.5	78	12	7	10	5	62	27.7	24.7	7	M10	B4	12800	6600	FC204 G00	0.8
25	BFC205	115	21	90	12	7	10	6	70	30.2	27	7.5	M10	B5	14000	7900	FC205 G00	1.0
30	BFC206	125	23	100	12	8	10	8	80	32.3	30.3	8	M10	B6	19600	11300	FC206 G00	1.4
35	BFC207	135	26	110	14	9	11	8	90	35.4	32.9	8.5	M12	B7	25900	15400	FC207 G00	1.7

1N=0.102kgf

Round Flange Units with spigot joint
UGF type
 With eccentric collar
 Cylindrical bore
 Shaft dia.: 20~60mm



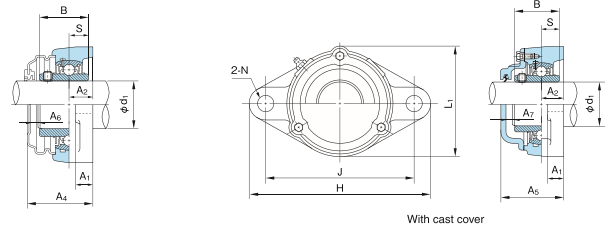
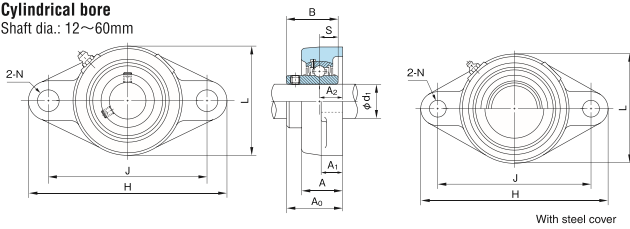
Shaft dia. d1 (mm)	Unit No.	Boundary dimensions (mm)											Bolt size	Bearings			Housing No.	Mass of Unit (kg)
		L	A	J	N	A1	A2	A3	H3	A0	B1	S		No.	Basic load rating (N)			
		Cr	Cor															
20	UGFC204	100	20.5	78	12	7	10	5	62	36.6	43.7	17.1	M10	UG204+ER	12800	6600	FC204	0.89
25	UGFC205	115	21	90	12	7	10	6	70	36.9	44.4	17.5	M10	UG205+ER	14000	7900	FC205	1.0
30	UGFC206	125	23	100	12	8	10	8	80	40.1	48.4	18.3	M10	UG206+ER	19600	11300	FC206	1.2
35	UGFC207	135	26	110	14	9	11	8	90	43.3	51.1	18.8	M12	UG207+ER	25900	15400	FC207	1.7
40	UGFC208	145	26	120	14	9	11	10	100	45.9	56.3	21.4	M12	UG208+ER	29300	17900	FC208	2.0
45	UGFC209	160	26	132	16	14	10	12	105	44.9	56.3	21.4	M14	UG209+ER	33000	20500	FC209	2.5
50	UGFC210	165	28	138	16	14	10	12	110	48.1	62.7	24.6	M14	UG210+ER	35500	23200	FC210	2.8
55	UGFC211	185	31	150	19	15	13	12	125	56.6	71.4	27.8	M16	UG211+ER	43000	29400	FC211	4.1
60	UGFC212	195	36	160	19	15	17	12	135	63.8	77.8	31	M16	UG212+ER	52500	36100	FC212	4.8

Remark: Grease nipple:1/4-28UNF

1N=0.102kgf

Rhombic Flange Units

UCFL type
With set screws
Cylindrical bore
Shaft dia.: 12~60mm



Shaft dia. d ₁ (mm)	Unit No.	Boundary dimensions (mm)															Bolt size	Bearings			Housing No.	Unit No. with steel cover		Mass of Unit (kg)		
		H	L	L ₁	A	J	N	A ₁	A ₂	A ₀	B	S	A ₄	A ₅	A ₆	A ₇		No.	Basic load rating (N)	Cor		Unit No. with rubber seal (End cover)	Unit No. with cast cover (End cover)	standard	With steel cover	With cast cover
12	UCFL201	113	60	66	25.5	90	12	12	15	33.3	31	12.7	43	46	8	6	M10	UC201	12800	6600	FL204	UCFL201C(E)	CUCFL201C(CE)	0.50	0.53	0.8
15	UCFL202	113	60	66	25.5	90	12	12	15	33.3	31	12.7	43	46	8	6	M10	UC202	12800	6600	FL204	UCFL202C(E)	CUCFL202C(CE)	0.48	0.51	0.8
17	UCFL203	113	60	66	25.5	90	12	12	15	33.3	31	12.7	43	46	8	6	M10	UC203	12800	6600	FL204	UCFL203C(E)	CUCFL203C(CE)	0.47	0.50	0.8
20	UCFL204	113	60	66	25.5	90	12	12	15	33.3	31	12.7	43	46	8	6	M10	UC204	12800	6600	FL204	UCFL204C(E)	CUCFL204C(CE)	0.45	0.48	0.8
25	UCFL205	130	68	73	27	99	16	14	16	35.7	34	14.3	47	51	10	9	M14	UC205	14000	7900	FL205	UCFL205C(E)	CUCFL205C(CE)	0.63	0.67	1.0
	UCFLX05	141	83	—	30	117	12	13	18	40.2	38.1	15.9	51	—	8	—	M10	UCX05	19600	11300	FLX05	UCFLX05C(E)	—	1.0	1.0	—
	UCFL305	150	80	84	29	113	19	13	16	39	38	15	—	55	—	10	M16	UC305	21300	10900	FL305	—	CUCFL305C(CE)	1.1	—	1.4
30	UCFL206	148	80	84	31	117	16	14	18	40.2	38.1	15.9	49	55	8	8	M14	UC206	19600	11300	FL206	UCFL206C(E)	CUCFL206C(CE)	0.96	1.0	1.5
	UCFLX06	156	95	—	34	130	16	14	19	44.4	42.9	17.5	54	—	8	—	M14	UCX06	25900	15400	FLX06	UCFLX06C(E)	—	1.4	1.4	—
	UCFL306	180	90	94	32	134	23	15	18	44	43	17	—	60	—	10	M20	UC306	26800	15000	FL306	—	CUCFL306C(CE)	1.5	—	1.9
35	UCFL207	161	90	94	34	130	16	16	19	44.4	42.9	17.5	54	59	8	8	M14	UC207	25900	15400	FL207	UCFL207C(E)	CUCFL207C(CE)	1.2	1.3	1.9
	UCFLX07	171	105	—	38	144	16	14	21	51.2	49.2	19	63	—	10	—	M14	UCX07	29300	17900	FLX07	UCFLX07C(E)	—	1.9	2.0	—
	UCFL307	185	100	104	36	141	23	16	20	49	48	19	—	65	—	10	M20	UC307	33500	19200	FL307	—	CUCFL307C(CE)	1.8	—	2.3
40	UCFL208	175	100	104	36	144	16	16	21	51.2	49.2	19	61	66	9	8	M14	UC208	29300	17900	FL208	UCFL208C(E)	CUCFL208C(CE)	1.6	1.7	2.3
	UCFLX08	179	111	—	40	148	16	14	22	52.2	49.2	19	63	—	10	—	M14	UCX08	33000	20500	FLX08	UCFLX08C(E)	—	2.0	2.1	—
	UCFL308	200	112	118	40	158	23	17	23	56	52	19	—	73	—	11	M20	UC308	40500	23900	FL308	—	CUCFL308C(CE)	2.4	—	2.9
45	UCFL209	188	108	113	38	148	19	18	22	52.2	49.2	19	63	67	10	8	M16	UC209	33000	20500	FL209	UCFL209C(E)	CUCFL209C(CE)	1.9	2.0	2.7
	UCFLX09	189	116	—	40	157	16	14	23	55.6	51.6	19	67	—	9	—	M14	UCX09	35500	23200	FLX09	UCFLX09C(E)	—	2.4	2.5	—
	UCFL309	230	125	132	44	177	25	18	25	60	57	22	—	78	—	12	M22	UC309	51500	29500	FL309	—	CUCFL309C(CE)	3.4	—	4.2
50	UCFL210	197	115	120	40	157	19	18	22	54.6	51.6	19	66	71	9	10	M16	UC210	35500	23200	FL210	UCFL210C(E)	CUCFL210C(CE)	2.2	2.3	3.2
	UCFLX10	216	133	—	44	184	19	20	26	59.4	55.6	22.2	70	—	9	—	M16	UCX10	43000	29400	FLX10	UCFLX10C(E)	—	3.6	3.7	—
	UCFL310	240	140	144	48	187	25	19	28	67	61	22	—	85	—	12	M22	UC310	61500	38200	FL310	—	CUCFL310C(CE)	4.3	—	5.2
55	UCFL211	224	130	134	43	184	19	20	25	58.4	55.6	22.2	69	75	9	10	M16	UC211	43000	29400	FL211	UCFL211C(E)	CUCFL211C(CE)	3.2	3.3	4.3
	UCFL311	250	150	154	52	198	25	20	30	71	66	25	—	90	—	13	M22	UC311	71500	44800	FL311	—	CUCFL311C(CE)	5.1	—	6.0
	UCFL212	250	140	144	48	202	23	20	29	68.7	65.1	25.4	80	86	10	11	M20	UC212	52500	36100	FL212	UCFL212C(E)	CUCFL212C(CE)	4.1	4.3	5.4
60	UCFL312	270	160	164	56	212	31	22	33	78	71	26	—	98	—	14	M27	UC312	81500	52000	FL312	—	CUCFL312C(CE)	6.2	—	7.3

Remarks: 1. Grease nipple: 1/4-28UNF

Remarks: 2. Examples of unit numbers with cover:

- With steel cover { Cover with rubber seal : UCFL210C
- { End cover : UCFL210E
- With cast cover { Cover with rubber seal : CUCFL210C
- { End cover : CUCFL210CE

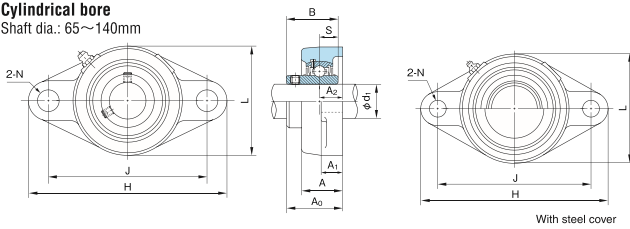
Rhombic Flange Units

UCFL type

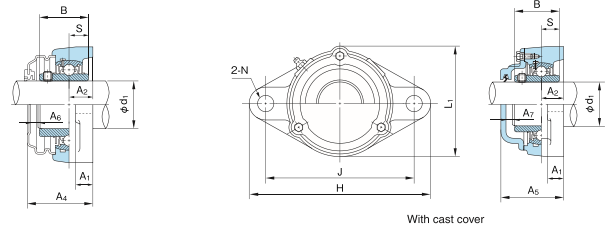
With set screws

Cylindrical bore

Shaft dia.: 65~140mm



With steel cover



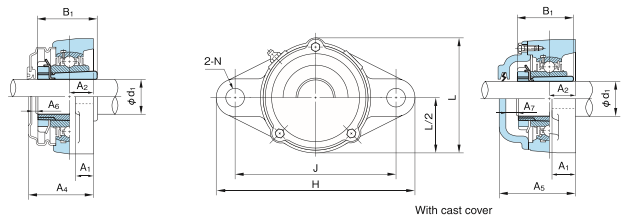
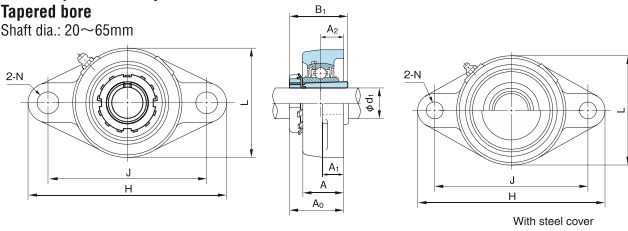
With cast cover

Shaft dia. d ₁ (mm)	Unit No.	Boundary dimensions (mm)															Bolt size	Bearings			Housing No.	Unit No. with steel cover		Mass of Unit (kg)		
		H	L	L ₁	A	J	N	A ₁	A ₂	A ₀	B	S	A ₄	A ₅	A ₆	A ₇		No.	Basic load rating (N)			Unit No. with rubber seal (End cover)	Unit No. with rubber seal (End cover)	standard	With steel cover	With cast cover
		Cr	Cor	Cover with rubber seal (End cover)	Cover with rubber seal (End cover)																					
65	UCFL213	258	155	157	50	210	23	24	30	69.7	65.1	25.4	81	89	10	13	M20	UC213	57500	40000	FL213	UCFL213C(E)	CUCFL213C(CE)	5.1	5.3	6.7
	UCFL313	295	175	186	58	240	31	25	33	78	75	30	—	103	—	17	M27	UC313	92500	59700	FL313	—	—	7.4	—	9.4
70	UCFL214	265	160	163	54	216	23	24	31	75.4	74.6	30.2	—	98	—	16	M20	UC214	62000	44000	FL214	—	CUCFL214C(CE)	6.0	—	7.4
	UCFL314	315	185	196	61	250	35	28	36	81	78	33	—	106	—	17	M30	UC314	104000	68000	FL314	—	CUCFL314C(CE)	9.0	—	11.8
75	UCFL215	275	165	168	56	225	23	24	34	78.5	77.8	33.3	—	102	—	17	M20	UC215	66000	48200	FL215	—	CUCFL215C(CE)	6.5	—	7.9
	UCFL315	320	195	206	66	260	35	30	39	89	82	32	—	114	—	17	M30	UC315	114000	76900	FL315	—	CUCFL315C(CE)	10.0	—	12.2
80	UCFL216	290	180	188	58	233	25	24	34	83.3	82.6	33.3	—	107	—	15	M22	UC216	72500	53000	FL216	—	CUCFL216C(CE)	8.0	—	10.2
	UCFL316	355	210	218	68	285	38	32	38	90	86	34	—	115	—	17	M33	UC316	123000	86400	FL316	—	CUCFL316C(CE)	12.6	—	15.5
85	UCFL217	305	190	198	63	248	25	26	36	87.6	85.7	34.1	—	111	—	15	M22	UC217	83500	61800	FL217	—	CUCFL217C(CE)	9.5	—	11.8
	UCFL317	370	220	232	74	300	38	32	44	100	96	40	—	126	—	18	M33	UC317	132000	96500	FL317	—	CUCFL317C(CE)	14.5	—	18.2
90	UCFL218	320	205	211	68	265	25	26	40	96.3	96	39.7	—	122	—	17	M22	UC218	95500	71400	FL218	—	CUCFL218C(CE)	11.9	—	15.0
	UCFL318	385	235	245	76	315	38	36	44	100	96	40	—	128	—	20	M33	UC318	143000	107200	FL318	—	CUCFL318C(CE)	17.1	—	20.7
95	UCFL319	405	250	257	94	330	41	40	59	121	103	41	—	149	—	20	M36	UC319	153000	118400	FL319	—	CUCFL319C(CE)	21.8	—	25.8
100	UCFL320	440	270	277	94	360	44	40	59	125	108	42	—	154	—	21	M39	UC320	173000	140400	FL320	—	CUCFL320C(CE)	26.5	—	30.6
105	UCFL321	440	270	282	94	360	44	40	59	127	112	44	—	156	—	21	M39	UC321	183000	153100	FL321	—	CUCFL321C(CE)	28.2	—	31.9
110	UCFL322	470	300	305	96	390	44	42	60	131	117	46	—	165	—	26	M39	UC322	205000	178800	FL322	—	CUCFL322C(CE)	33.1	—	38.7
120	UCFL324	520	330	333	110	430	47	48	65	140	126	51	—	175	—	25	M42	UC324	207000	184800	FL324	—	CUCFL324C(CE)	45.7	—	52.4
130	UCFL326	550	360	360	115	460	47	50	65	146	135	54	—	180	—	24	M42	UC326	229000	214300	FL326	—	CUCFL326C(CE)	57.5	—	64.4
140	UCFL328	600	400	400	125	500	51	60	75	161	145	59	—	195	—	24	M45	UC328	255000	246000	FL328	—	CUCFL328C(CE)	79.7	—	86.3

Remarks: 1. Grease nipple: 1/4-28UNF for bore number 13 and under
PF1/8 for bore number 14 and over

Remarks: 2. Examples of unit numbers with cover:
With steel cover { Cover with rubber seal :UCFL213C
End cover :UCFL213E
With cast cover { Cover with rubber seal :CUCFL213C
End cover :CUCFL213CE

Rhombic Flange Units
UKFL+H type
 With adapter assembly
 Tapered bore
 Shaft dia.: 20~65mm



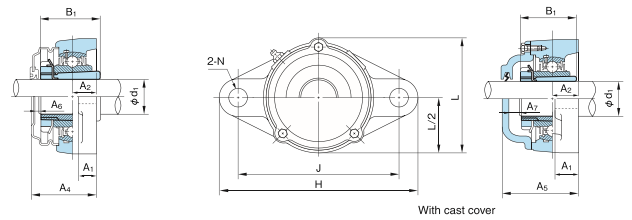
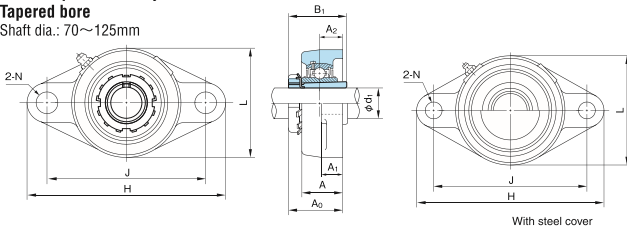
Shaft dia. d1 (mm)	Unit No.	Boundary dimensions (mm)															Bolt size	Bearings			Unit No. with steel cover Cover with rubber seal (End cover)	Unit No. with cast cover Cover with rubber seal (End cover)	Mass of Unit (kg)		
		H	L	L1	A	J	N	A1	A2	A0	B1	A4	A5	A6	A7	No.		Basic load rating (N)	Housing No.	standard			With steel cover	With cast cover	
		Cr	Cor																						
20	UKFL205+H2305	130	68	73	27	99	16	14	16	35.5	35	47	51	10	9	M14	UK205+H2305	14000	7900	FL205	UKFL205C(E)+H2305	CUKFL205C(CE)+H2305	0.68	0.72	1.1
	UKFLX05+H2305	141	83	—	30	117	12	13	18	39	35	51	—	9	—	M10	UKX05+H2305	19600	11300	FLX05	UKFLX05C(E)+H2305	—	1.0	1.0	—
	UKFL305+H2305	150	80	84	29	113	19	13	16	37	35	—	55	—	12	M16	UK305+H2305	21300	10900	FL305	—	CUKFL305C(CE)+H2305	1.1	—	1.5
25	UKFL206+H2306	148	80	84	31	117	16	14	18	39	38	49	55	9	10	M14	UK206+H2306	19600	11300	FL206	UKFL206C(E)+H2306	CUKFL206C(CE)+H2306	1.0	1.1	1.6
	UKFLX06+H2306	156	95	—	34	130	16	14	19	40.5	38	54	—	12	—	M14	UKX06+H2306	25900	15400	FLX06	UKFLX06C(E)+H2306	—	1.5	1.5	—
	UKFL306+H2306	180	90	94	32	134	23	15	18	40.5	38	—	60	—	13	M20	UK306+H2306	26800	15000	FL306	—	CUKFL306C(CE)+H2306	1.5	—	2.0
30	UKFL207+H2307	161	90	94	34	130	16	16	19	41.5	43	54	59	11	11	M14	UK207+H2307	25900	15400	FL207	UKFL207C(E)+H2307	CUKFL207C(CE)+H2307	1.3	1.4	2.0
	UKFLX07+H2307	171	105	—	38	144	16	14	21	44.5	43	63	—	17	—	M14	UKX07+H2307	29300	17900	FLX07	UKFLX07C(E)+H2307	—	1.9	2.0	—
	UKFL307+H2307	185	100	104	36	141	23	16	20	44.5	43	—	65	—	14	M20	UK307+H2307	33500	19200	FL307	—	CUKFL307C(CE)+H2307	1.9	—	2.4
35	UKFL208+H2308	175	100	104	36	144	16	16	21	45.5	46	61	66	14	14	M14	UK208+H2308	29300	17900	FL208	UKFL208C(E)+H2308	CUKFL208C(CE)+H2308	1.7	1.8	2.4
	UKFLX08+H2308	179	111	—	40	148	16	14	22	47	46	63	—	15	—	M14	UKX08+H2308	33000	20500	FLX08	UKFLX08C(E)+H2308	—	2.1	2.1	—
	UKFL308+H2308	200	112	118	40	158	23	17	23	50	46	—	73	—	17	M20	UK308+H2308	40500	23900	FL308	—	CUKFL308C(CE)+H2308	2.5	—	3.0
40	UKFL209+H2309	188	108	113	38	148	19	18	22	48	50	63	67	14	13	M16	UK209+H2309	33000	20500	FL209	UKFL209C(E)+H2309	CUKFL209C(CE)+H2309	2.0	2.1	2.8
	UKFLX09+H2309	189	116	—	40	157	16	14	23	49.5	50	67	—	16	—	M14	UKX09+H2309	35500	23200	FLX09	UKFLX09C(E)+H2309	—	2.4	2.5	—
	UKFL309+H2309	230	125	132	44	177	25	18	25	54.5	50	—	78	—	17	M22	UK309+H2309	51500	29500	FL309	—	CUKFL309C(CE)+H2309	3.4	—	4.3
45	UKFL210+H2310	197	115	120	40	157	19	18	22	49.5	55	66	71	15	15	M16	UK210+H2310	35500	23200	FL210	UKFL210C(E)+H2310	CUKFL210C(CE)+H2310	2.3	2.5	3.4
	UKFLX10+H2310	216	133	—	44	184	19	20	26	54.5	55	70	—	14	—	M16	UKX10+H2310	43000	29400	FLX10	UKFLX10C(E)+H2310	—	3.6	3.7	—
	UKFL310+H2310	240	140	144	48	187	25	19	28	60	55	—	85	—	19	M22	UK310+H2310	61500	38200	FL310	—	CUKFL310C(CE)+H2310	4.4	—	5.5
50	UKFL211+H2311	224	130	134	43	184	19	20	25	53.5	59	69	75	14	15	M16	UK211+H2311	43000	29400	FL211	UKFL211C(E)+H2311	CUKFL211C(CE)+H2311	3.3	3.5	4.5
	UKFLX11+H2311	250	150	154	52	198	25	20	30	63.5	59	—	90	—	20	M22	UKX11+H2311	71500	44800	FL311	—	CUKFL311C(CE)+H2311	5.1	—	6.1
	UKFL311+H2311	250	150	154	52	198	25	20	30	63.5	59	—	90	—	20	M22	UK311+H2311	71500	44800	FL311	—	CUKFL311C(CE)+H2311	5.1	—	6.1
55	UKFL212+H2312	250	140	144	48	202	23	20	29	60	62	80	86	19	20	M20	UK212+H2312	52500	36100	FL212	UKFL212C(E)+H2312	CUKFL212C(CE)+H2312	4.1	4.4	5.5
	UKFLX12+H2312	270	160	164	56	212	31	22	33	69	62	—	98	—	23	M27	UKX12+H2312	81500	52000	FL312	—	CUKFL312C(CE)+H2312	6.1	—	7.4
	UKFL312+H2312	258	155	157	50	210	23	24	30	63	65	81	89	17	20	M20	UK213+H2313	57500	40000	FL213	UKFL213C(E)+H2313	CUKFL213C(CE)+H2313	5.2	5.5	6.9
60	UKFL213+H2313	258	155	157	50	210	23	24	30	63	65	81	89	17	20	M20	UK213+H2313	57500	40000	FL213	UKFL213C(E)+H2313	CUKFL213C(CE)+H2313	5.2	5.5	6.9
	UKFLX13+H2313	295	175	186	58	240	31	25	33	71	65	—	103	—	24	M27	UKX13+H2313	92500	59700	FL313	—	CUKFL313C(CE)+H2313	7.4	—	9.4
	UKFL313+H2313	295	175	186	58	240	31	25	33	71	65	—	103	—	24	M27	UKX13+H2313	92500	59700	FL313	—	CUKFL313C(CE)+H2313	7.4	—	9.4
65	UKFL215+H2315	275	165	168	56	225	23	24	34	69.5	73	—	102	—	26	M20	UK215+H2315	66000	48200	FL215	—	CUKFL215C(CE)+H2315	6.8	—	8.3
	UKFL315+H2315	320	195	206	66	260	35	30	39	81	73	—	114	—	25	M30	UK315+H2315	114000	76900	FL315	—	CUKFL315C(CE)+H2315	10.2	—	12.6

Remarks: 1. Grease nipple: 1/4-28UNF for bore number 13 and under
 PF1/8 for bore number 14 and over

Remarks: 2. Examples of unit numbers with cover:

- With steel cover: { Cover with rubber seal :UKFL210C+H2310
- End cover :UKFL210E+H2310
- With cast cover: { Cover with rubber seal :CUKFL210C+H2310
- End cover :CUKFL210CE+H2310

Rhombic Flange Units
UKFL+H type
 With adapter assembly
 Tapered bore
 Shaft dia.: 70~125mm



1N=0.102kgf

Shaft dia. d ₁ (mm)	Unit No.	Boundary dimensions (mm)															Bolt size	Bearings			Housing No.	Unit No. with steel cover Cover with rubber seal (End cover)	Unit No. with cast cover Cover with rubber seal (End cover)	Mass of Unit (kg)		
		H	L	L ₁	A	J	N	A ₁	A ₂	A ₆	B ₁	A ₄	A ₅	A ₈	A ₇	No.		Basic load rating (N) Cr	Cor	standard				With steel cover	With cast cover	
		70	UKFL216+H2316	290	180	188	58	233	25	24	34	73	78	—	107	—		26	M22	UK216+H2316				72500	53000	FL216
70	UKFL316+H2316	355	210	218	68	285	38	32	38	83.5	78	—	115	—	23	M33	UK316+H2316	123000	86400	FL316	—	CUKFL316C(CE)+H2316	12.8	—	15.9	
75	UKFL217+H2317	305	190	198	63	248	25	26	36	77	82	—	111	—	26	M22	UK217+H2317	83500	61800	FL217	—	CUKFL217C(CE)+H2317	10.0	—	12.4	
75	UKFL317+H2317	370	220	232	74	300	38	32	44	92	82	—	126	—	26	M33	UK317+H2317	132000	96500	FL317	—	CUKFL317C(CE)+H2317	14.5	—	18.4	
80	UKFL218+H2318	320	205	211	68	265	25	26	40	82.5	86	—	122	—	31	M22	UK218+H2318	95500	71400	FL218	—	CUKFL218C(CE)+H2318	12.3	—	15.4	
80	UKFL318+H2318	385	235	245	76	315	38	36	44	93.5	86	—	128	—	26	M33	UK318+H2318	149000	107200	FL318	—	CUKFL318C(CE)+H2318	17.2	—	21.7	
85	UKFL319+H2319	405	250	257	94	330	41	40	59	111	90	—	149	—	30	M36	UK319+H2319	153000	118400	FL319	—	CUKFL319C(CE)+H2319	21.8	—	26.0	
90	UKFL320+H2320	440	270	277	94	360	44	40	59	115	97	—	154	—	31	M39	UK320+H2320	173000	140400	FL320	—	CUKFL320C(CE)+H2320	26.5	—	31.2	
100	UKFL322+H2322	470	300	305	96	390	44	42	60	121	105	—	165	—	36	M39	UK322+H2322	205000	178800	FL322	—	CUKFL322C(CE)+H2322	33.2	—	39.4	
110	UKFL324+H2324	520	330	333	110	430	47	48	65	130	112	—	175	—	35	M42	UK324+H2324	207000	184800	FL324	—	CUKFL324C(CE)+H2324	45.2	—	52.6	
115	UKFL326+H2326	550	360	360	115	460	47	50	65	134	121	—	180	—	36	M42	UK326+H2326	229000	214300	FL326	—	CUKFL326C(CE)+H2326	57.8	—	65.9	
125	UKFL328+H2328	600	400	400	125	500	51	60	75	148	131	—	195	—	37	M45	UK328+H2328	255000	246000	FL328	—	CUKFL328C(CE)+H2328	80.0	—	87.8	

Remarks: 1. Grease nipple: PF1/8

Remarks: 2. Examples of unit numbers with cover:
 With cast cover { Cover with rubber seal :CUKFL320C+H2320
 End cover :CUKFL320CE+H2320

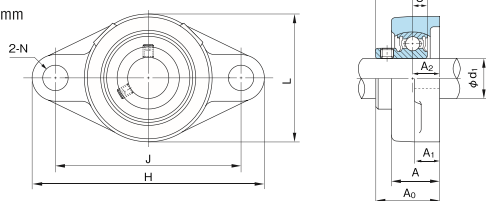
Rhombic Flange Units

BFL type

With set screws

Cylindrical bore

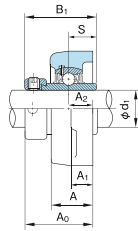
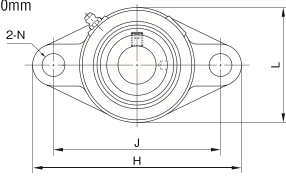
Shaft dia.: 20~35mm



1N=0.102kgf

Shaft dia. d ₁ (mm)	Unit No.	Boundary dimensions (mm)											Bolt size	Bearings			Housing No.	Mass of Unit (kg)
		H	L	A	J	N	A ₁	A ₂	A ₀	B	S	No.		Basic load rating (N)				
														Cr	Cor			
20	BFL204	113	60	25.5	90	12	12	15	32.7	24.7	7	M10	B4	12800	6600	FL204 G00	0.41	
25	BFL205	130	68	27	99	16	14	16	36.2	27	7.5	M14	B5	14000	7900	FL205 G00	0.60	
30	BFL206	148	80	31	117	16	14	18	40.3	30.3	8	M14	B6	19600	11300	FL206 G00	0.88	
35	BFL207	161	90	34	130	16	16	19	43.4	32.9	8.5	M14	B7	25900	15400	FL207 G00	1.2	

Rhombic Flange Units
UGFL type
 With eccentric collar
 Cylindrical bore
 Shaft dia.: 20~60mm



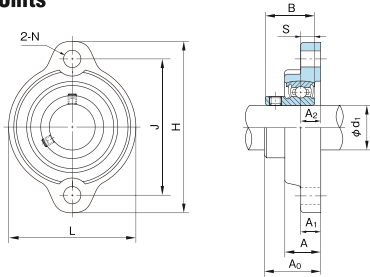
1N=0.102kgf

Shaft dia. d ₁ (mm)	Unit No.	Boundary dimensions (mm)										Bolt size	Bearings			Housing No.	Mass of Unit (kg)
		H	L	A	J	N	A ₁	A ₂	A ₀	B ₁	S		No.	Basic load rating (N)			
														C _r	C _{or}		
20	UGFL204	113	60	25.5	90	12	12	15	41.6	43.7	17.1	M10	UG204+ER	12800	6600	FL204	0.47
25	UGFL205	130	68	27	99	16	14	16	42.9	44.4	17.5	M14	UG205+ER	14000	7900	FL205	0.63
30	UGFL206	148	80	31	117	16	14	18	48.1	48.4	18.3	M14	UG206+ER	19600	11300	FL206	0.96
35	UGFL207	161	90	34	130	16	16	19	51.3	51.1	18.8	M14	UG207+ER	25900	15400	FL207	1.3
40	UGFL208	175	100	36	144	16	16	21	55.9	56.3	21.4	M14	UG208+ER	29300	17900	FL208	1.7
45	UGFL209	188	108	38	148	19	18	22	56.9	56.3	21.4	M16	UG209+ER	39000	20500	FL209	2.0
50	UGFL210	197	115	40	157	19	18	22	60.1	62.7	24.6	M16	UG210+ER	35500	23200	FL210	2.3
55	UGFL211	224	130	43	184	19	20	25	68.6	71.4	27.8	M16	UG211+ER	43000	29400	FL211	3.4
60	UGFL212	250	140	48	202	23	20	29	75.8	77.8	31	M20	UG212+ER	52500	36100	FL212	4.4

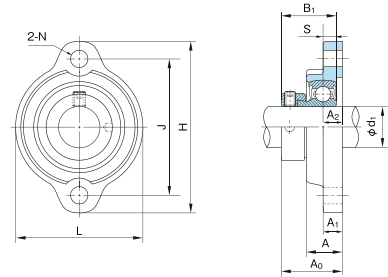
Remark: Grease nipple: 1/4-28UNF

Rhombic Flange Units

BLFL type
With set screws
Cylindrical bore
Shaft dia.: 12~35mm



KHLFL type
With eccentric collar
Cylindrical bore
Shaft dia.: 12~35mm



BLFL type

1N=0.102kgf

Shaft dia. d ₁ (mm)	Unit No.	Boundary dimensions (mm)											Bolt size	Bearings				Housing No.	Mass of Unit (kg)
		H	L	A	J	N	A ₁	A ₂	A ₀	B	S	No.		Basic load rating (N)					
		Cr	Cor																
12	BLFL1J	81	56	18	63.5	7	9.5	9.5	25.5	22	6	M 6	B1	9550	4800	LFL3J	0.28		
15	BLFL2J	81	56	18	63.5	7	9.5	9.5	25.5	22	6	M 6	B2	9550	4800	LFL3J	0.27		
17	BLFL3J	81	56	18	63.5	7	9.5	9.5	25.5	22	6	M 6	B3	9550	4800	LFL3J	0.25		
20	BLFL4J	90	63	20	71.5	10	11	11	28.7	24.7	7	M 8	B4	12800	6600	LFL4J	0.30		
25	BLFL5J	95	69	20	76	10	11	11	31.2	27	7.5	M 8	B5	14000	7900	LFL5J	0.40		
30	BLFL6J	113	79	22.5	90.5	12	12	12	34.3	30.3	8	M10	B6	19600	11300	LFL6J	0.58		
35	BLFL7J	122	89	24	100	12	13	13	37.4	32.9	8.5	M10	B7	25900	15400	LFL7J	0.81		

Remark: Spherical bearing seating diameter of housing is applied tolerance class J7.

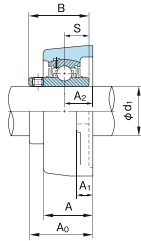
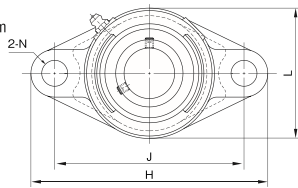
KHLFL type

1N=0.102kgf

Shaft dia. d ₁ (mm)	Unit No.	Boundary dimensions (mm)											Bolt size	Bearings				Housing No.	Mass of Unit (kg)
		H	L	A	J	N	A ₁	A ₂	A ₀	B ₁	S	No.		Basic load rating (N)					
		Cr	Cor																
12	KHLFL201AJ	81	56	18	63.5	7	9.5	9.5	31.6	28.6	6.5	M 6	KH201AE	9550	4800	LFL3J	0.30		
15	KHLFL202AJ	81	56	18	63.5	7	9.5	9.5	31.6	28.6	6.5	M 6	KH202AE	9550	4800	LFL3J	0.29		
17	KHLFL203AJ	81	56	18	63.5	7	9.5	9.5	31.6	28.6	6.5	M 6	KH203AE	9550	4800	LFL3J	0.28		
20	KHLFL204AJ	90	63	20	71.5	10	11	11	34.5	31	7.5	M 8	KH204AE	12800	6600	LFL4J	0.34		
25	KHLFL205AJ	95	69	20	76	10	11	11	34.5	31	7.5	M 8	KH205AE	14000	7900	LFL5J	0.44		
30	KHLFL206AJ	113	79	22.5	90.5	12	12	12	38.7	35.7	9	M10	KH206AE	19600	11300	LFL6J	0.64		
35	KHLFL207AJ	122	89	24	100	12	13	13	42.4	38.9	9.5	M10	KH207AE	25900	15400	LFL7J	0.92		

Remark: Spherical bearing seating diameter of housing is applied tolerance class J7.

Rhombic Flange Units
Cast Stainless Steel
MUCFL type
With set screws
Cylindrical bore
 Shaft dia.: 20~50mm

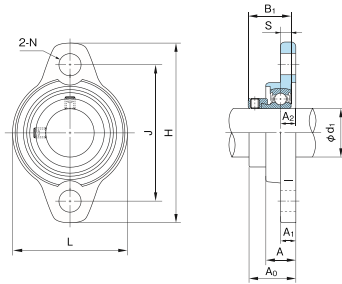


1N=0.102kgf

Shaft dia. d ₁ (mm)	Unit No.	Boundary dimensions (mm)											Bolt size	Bearings			Housing No.	Mass of Unit (kg)
		H	L	A	J	N	A ₁	A ₂	A ₀	B	S	No.		Basic load rating (N)				
														C _r	C _{0r}			
20	MUCFL204	113	60	25.5	90	12	10	15	33.3	31	12.7	M10	MUC204	10900	5300	MFL204	0.35	
25	MUCFL205	130	68	27	99	16	10	16	35.7	34	14.3	M14	MUC205	11900	6300	MFL205	0.50	
30	MUCFL206	148	80	31	117	16	10	18	40.2	38.1	15.9	M14	MUC206	16700	9050	MFL206	0.80	
35	MUCFL207	161	90	34	130	16	11	19	44.4	42.9	17.5	M14	MUC207	22000	12300	MFL207	1.05	
40	MUCFL208	175	100	36	144	16	11	21	51.2	49.2	19	M14	MUC208	24900	14300	MFL208	1.35	
45	MUCFL209	188	108	38	148	19	13	22	52.2	49.2	19	M16	MUC204	28100	16400	MFL209	1.65	
50	MUCFL210	197	115	40	157	19	13	22	54.6	51.6	19	M16	MUC210	30200	18600	MFL210	1.90	

Remark: Grease nipple: 1/4-28UNF

Silver series
Rhombic Flange Units
 UFL type
 With eccentric collar
 Cylindrical bore
 Shaft dia.: 8~30mm

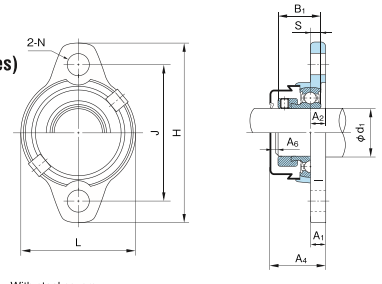


UFL type

Shaft dia. d ₁ (mm)	Unit No.	Boundary dimensions (mm)												Bolt size
		H	L	A	J	N	A ₁	A ₂	A ₀	B ₁	S	A ₄	A ₅	
10	UFL000	60	36	11.5	45	7	5.5	5.5	19	17.5	4	22	2	M 6
12	UFL001	63	38	11.5	48	7	5.5	5.5	19	17.5	4	22	2	M 6
15	UFL002	67	42	13	53	7	6.5	6.5	20.5	18.5	4.5	24	2	M 6
17	UFL003	71	46	14	56	7	7	7	22.5	20.5	5	26	2	M 6
20	UFL004	90	55	16	71	10	8	8	26.5	24.5	6	31	3	M 8
25	UFL005	95	60	16	75	10	8	8	27.5	25.5	6	32	3	M 8
30	UFL006	112	70	18	85	13	9	9	29	26.5	6.5	34	4	M10

Note: (*) Set screw type U08X is also available. Inner ring width B of U08X is 12mm. Dimension A₀ with U08X is 13mm.

MUFL type (Stainless Silver Series)
 With eccentric collar
 Cylindrical bore
 Shaft dia.: 10~30mm



With steel covers

Shaft dia. d ₁ (mm)	Unit No.	Boundary dimensions (mm)												Bolt size	Bearings			Housing No.	Unit No. with covers			Cover No. (Reference)		Mass of Unit (kg)	
		H	L	A	J	N	A ₁	A ₂	A ₀	B ₁	S	A ₄	A ₅		No.	Basic load rating (N)			Cover with rubber seal (End cover)	Cover with rubber seal	Side end cover	standard	with cover		
																Cr	Cor							Cr	Cor
10	U000+ER	60	36	11.5	45	7	5.5	5.5	19	17.5	4	22	2	M 6	U000+ER	4600	2000	FL000	UFL000C(E)	000CP10	000CPE	60	65		
12	U001+ER	63	38	11.5	48	7	5.5	5.5	19	17.5	4	22	2	M 6	U001+ER	5100	2400	FL001	UFL001C(E)	001CP12	001CPE	76	80		
15	U002+ER	67	42	13	53	7	6.5	6.5	20.5	18.5	4.5	24	2	M 6	U002+ER	5600	2800	FL002	UFL002C(E)	002CP15	002CPE	100	105		
17	U003+ER	71	46	14	56	7	7	7	22.5	20.5	5	26	2	M 6	U003+ER	6000	3300	FL003	UFL003C(E)	003CP17	003CPE	129	135		
20	U004+ER	90	55	16	71	10	8	8	26.5	24.5	6	31	3	M 8	U004+ER	9350	5100	FL04-5	UFL004C(E)	04-5CP20	04-5CPE	205	215		
25	U005+ER	95	60	16	75	10	8	8	27.5	25.5	6	32	3	M 8	U005+ER	10100	5800	FL05-6	UFL005C(E)	05-6CP25	05-6CPE	244	255		
30	U006+ER	112	70	18	85	13	9	9	29	26.5	6.5	34	4	M10	U006+ER	13200	8300	FL06-7	UFL006C(E)	06-7CP30	06-7CPE	354	370		

1N=0.102kgf
 Remark: Examples of unit numbers with cover: Both covers with rubber seal : UFL005C
 One side end cover : UFL005E

MUFL type (Stainless Silver Series)

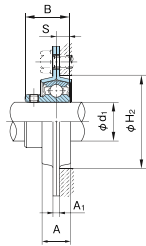
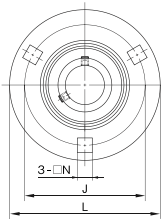
Shaft dia. d ₁ (mm)	Unit No.	Boundary dimensions (mm)												Bolt size
		H	L	A	J	N	A ₁	A ₂	A ₀	B ₁	S	A ₄	A ₅	
10	MUFL000	60	36	11.5	45	7	5.5	5.5	19	17.5	4	22	2	M 6
12	MUFL001	63	38	11.5	48	7	5.5	5.5	19	17.5	4	22	2	M 6
15	MUFL002	67	42	13	53	7	6.5	6.5	20.5	18.5	4.5	24	2	M 6
17	MUFL003	71	46	14	56	7	7	7	22.5	20.5	5	26	2	M 6
20	MUFL004	90	55	16	71	10	8	8	26.5	24.5	6	31	3	M 8
25	MUFL005	95	60	16	75	10	8	8	27.5	25.5	6	32	3	M 8
30	MUFL006	112	70	18	85	13	9	9	29	26.5	6.5	34	4	M10

Shaft dia. d ₁ (mm)	Unit No.	Boundary dimensions (mm)												Bolt size	Bearings			Housing No.	Unit No. with covers			Cover No. (Reference)		Mass of Unit (kg)	
		H	L	A	J	N	A ₁	A ₂	A ₀	B ₁	S	A ₄	A ₅		No.	Basic load rating (N)			Cover with rubber seal (End cover)	Cover with rubber seal	Side end cover	standard	with cover		
																Cr	Cor							Cr	Cor
10	MU000+ER	60	36	11.5	45	7	5.5	5.5	19	17.5	4	22	2	M 6	MU000+ER	3900	1550	FL000Z3	MUFL000C(E)	000CP10	000CPE	60	65		
12	MU001+ER	63	38	11.5	48	7	5.5	5.5	19	17.5	4	22	2	M 6	MU001+ER	4300	1900	FL001Z3	MUFL001C(E)	001CP12	001CPE	76	80		
15	MU002+ER	67	42	13	53	7	6.5	6.5	20.5	18.5	4.5	24	2	M 6	MU002+ER	4750	2250	FL002Z3	MUFL002C(E)	002CP15	002CPE	100	105		
17	MU003+ER	71	46	14	56	7	7	7	22.5	20.5	5	26	2	M 6	MU003+ER	5100	2650	FL003Z3	MUFL003C(E)	003CP17	003CPE	129	135		
20	MU004+ER	90	55	16	71	10	8	8	26.5	24.5	6	31	3	M 8	MU004+ER	7900	4000	FL04-5Z3	MUFL004C(E)	04-5CP20	04-5CPE	205	215		
25	MU005+ER	95	60	16	75	10	8	8	27.5	25.5	6	32	3	M 8	MU005+ER	8600	4650	FL05-6Z3	MUFL005C(E)	05-6CP25	05-6CPE	244	255		
30	MU006+ER	112	70	18	85	13	9	9	29	26.5	6.5	34	4	M10	MU006+ER	11300	6600	FL06-7Z3	MUFL006C(E)	06-7CP30	06-7CPE	354	370		

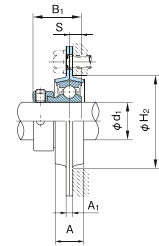
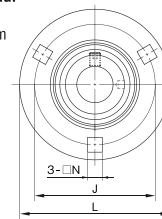
1N=0.102kgf
 Remark: Examples of unit numbers with cover: Cover with rubber seal : MUFL005C
 One side end cover : MUFL005E

Pressed Steel Round Flange Units

BPF type
With set screws
Cylindrical bore
Shaft dia.: 12~35mm



KHPF type
With eccentric collar
Cylindrical bore
Shaft dia.: 12~35mm



BPF type

1N=0.102kgf

Shaft dia. d ₁ (mm)	Unit No.	Boundary dimensions (mm)									Bolt size	Bearings			Housing No.	Mass of Unit (kg)	Limiting load (N)	
		L	A	J	N	A ₁	H ₂ (Min)	B	S	No.		Basic load rating (N)		Radial			Axial	
												Cr	Cor					
12	BPF1	81	14	63.5	7	4	49	22	6	M 6	B1	9550	4800	PF3	0.21	2650	1320	
15	BPF2	81	14	63.5	7	4	49	22	6	M 6	B2	9550	4800	PF3	0.20	2650	1320	
17	BPF3	81	14	63.5	7	4	49	22	6	M 6	B3	9550	4800	PF3	0.18	2650	1320	
20	BPF4	90	16	71.5	9	4	56	24.7	7	M 8	B4	12800	6600	PF4	0.25	3100	1520	
25	BPF5	95	18	76	9	4	60	27	7.5	M 8	B5	14000	7900	PF5	0.35	3550	1750	
30	BPF6	113	18	90.5	11	5.2	71	30.3	8	M10	B6	19600	11300	PF6	0.54	4900	2450	
35	BPF7	122	20	100	11	5.2	81	32.9	8.5	M10	B7	25900	15400	PF7	0.71	6200	3100	

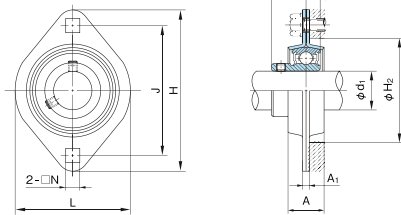
KHPF type

1N=0.102kgf

Shaft dia. d ₁ (mm)	Unit No.	Boundary dimensions (mm)									Bolt size	Bearings			Housing No.	Mass of Unit (kg)	Limiting load (N)	
		L	A	J	N	A ₁	H ₂ (Min)	B ₁	S	No.		Basic load rating (N)		Radial			Axial	
												Cr	Cor					
12	KHPF201A	81	14	63.5	7	4	49	28.6	6.5	M 6	KH201AE	9550	4800	PF3	0.23	2650	1320	
15	KHPF202A	81	14	63.5	7	4	49	28.6	6.5	M 6	KH202AE	9550	4800	PF3	0.22	2650	1320	
17	KHPF203A	81	14	63.5	7	4	49	28.6	6.5	M 6	KH203AE	9550	4800	PF3	0.21	2650	1320	
20	KHPF204A	90	16	71.5	9	4	56	31	7.5	M 8	KH204AE	12800	6600	PF4	0.29	3100	1520	
25	KHPF205A	95	18	76	9	4	60	31	7.5	M 8	KH205AE	14000	7900	PF5	0.39	3550	1750	
30	KHPF206A	113	18	90.5	11	5.2	71	35.7	9	M10	KH206AE	19600	11300	PF6	0.60	4900	2450	
35	KHPF207A	122	20	100	11	5.2	81	38.9	9.5	M10	KH207AE	25900	15400	PF7	0.82	6200	3100	

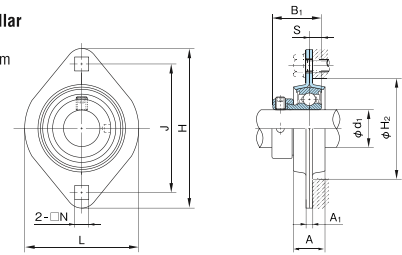
Pressed Steel Rhombic Flange Units

BPFL type
With set screws
Cylindrical bore
Shaft dia.: 12~35mm



BPFL type

KHPFL type
With eccentric collar
Cylindrical bore
Shaft dia.: 12~35mm



1N=0.102kgf

Shaft dia. d ₁ (mm)	Unit No.	Boundary dimensions (mm)										Bolt size	Bearings			Housing No.	Mass of Unit (kg)	Limiting load (N)	
		H	L	A	J	N	A ₁	H ₂	B	S	No.		Basic load rating (N)		Radial			Axial	
		Cr	Cor																
12	BPFL1	81	59	14	63.5	7	4	49	22	6	M 6	B1	9550	4800	PFL3	0.25	2650	640	
15	BPFL2	81	59	14	63.5	7	4	49	22	6	M 6	B2	9550	4800	PFL3	0.24	2650	640	
17	BPFL3	81	59	14	63.5	7	4	49	22	6	M 6	B3	9550	4800	PFL3	0.22	2650	640	
20	BPFL4	90	67	16	71.5	9	4	56	24.7	7	M 8	B4	12800	6600	PFL4	0.29	3100	740	
25	BPFL5	95	71	18	76	9	4	60	27	7.5	M 8	B5	14000	7900	PFL5	0.36	3550	900	
30	BPFL6	113	84	18	90.5	11	5.2	71	30.3	8	M10	B6	19600	11300	PFL6	0.56	4900	1200	
35	BPFL7	125	94	20	100	11	5.2	81	32.9	8.5	M10	B7	25900	15400	PFL7	0.70	6200	1500	

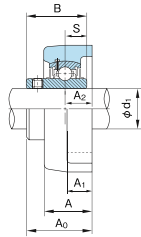
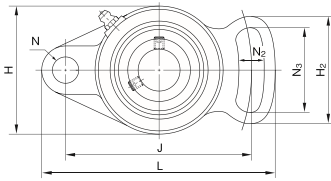
KHPFL type

1N=0.102kgf

Shaft dia. d ₁ (mm)	Unit No.	Boundary dimensions (mm)										Bolt size	Bearings			Housing No.	Mass of Unit (kg)	Limiting load (N)	
		H	L	A	J	N	A ₁	H ₂	B ₁	S	No.		Basic load rating (N)		Radial			Axial	
		Cr	Cor																
12	KHPFL201A	81	59	14	63.5	7	4	49	28.6	6.5	M 6	KH201AE	9550	4800	PFL3	0.27	2650	640	
15	KHPFL202A	81	59	14	63.5	7	4	49	28.6	6.5	M 6	KH202AE	9550	4800	PFL3	0.26	2650	640	
17	KHPFL203A	81	59	14	63.5	7	4	49	28.6	6.5	M 6	KH203AE	9550	4800	PFL3	0.25	2650	640	
20	KHPFL204A	90	67	16	71.5	9	4	56	31	7.5	M 8	KH204AE	12800	6600	PFL4	0.33	3100	740	
25	KHPFL205A	95	71	18	76	9	4	60	31	7.5	M 8	KH205AE	14000	7900	PFL5	0.40	3550	900	
30	KHPFL206A	113	84	18	90.5	11	5.2	71	35.7	9	M10	KH206AE	19600	11300	PFL6	0.62	4900	1200	
35	KHPFL207A	125	94	20	100	11	5.2	81	38.9	9.5	M10	KH207AE	25900	15400	PFL7	0.81	6200	1500	

Transformed Rhombic Flange Units

UCFA type
With set screws
Cylindrical bore
Shaft dia.:
12~55mm

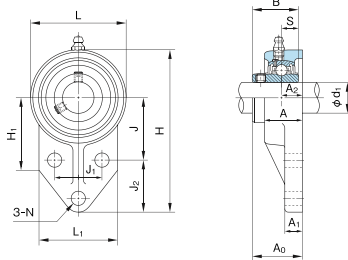


1N=0.102kgf

Shaft dia. d ₁ (mm)	Unit No.	Boundary dimensions (mm)														Bolt size	Bearings			Housing No.	Mass of Unit (kg)
		H	H ₂	L	A	J	N	N ₂	N ₃	A ₁	A ₂	A ₀	B	S	No.		Basic load rating (N)				
																	C _r	C _{0r}			
12	UCFA201	60	54	102	25.5	78	10	10	40	12	15	33.3	31	12.7	M 8	UC201	12800	6600	FA204	0.50	
15	UCFA202	60	54	102	25.5	78	10	10	40	12	15	33.3	31	12.7	M 8	UC202	12800	6600	FA204	0.49	
17	UCFA203	60	54	102	25.5	78	10	10	40	12	15	33.3	31	12.7	M 8	UC203	12800	6600	FA204	0.48	
20	UCFA204	60	54	102	25.5	78	10	10	40	12	15	33.3	31	12.7	M 8	UC204	12800	6600	FA204	0.46	
25	UCFA205	68	65	125	27	98	12	13	51	14	16	35.7	34	14.3	M10	UC205	14000	7900	FA205	0.66	
30	UCFA206	80	72	144	31	117	12	13	58	14	18	40.2	38.1	15.9	M10	UC206	19600	11300	FA206	1.0	
35	UCFA207	90	82	161	34	130	14	15	66	16	19	44.4	42.9	17.5	M12	UC207	25900	15400	FA207	1.4	
40	UCFA208	100	87	175	36	144	14	15	71	16	21	51.2	49.2	19	M12	UC208	29300	17900	FA208	1.7	
45	UCFA209	108	90	181	38	148	16	17	72	18	22	52.2	49.2	19	M14	UC209	33000	20500	FA209	2.0	
50	UCFA210	115	94	190	40	157	16	17	76	18	22	54.6	51.6	19	M14	UC210	35500	23200	FA210	2.4	
55	UCFA211	130	104	219	43	184	16	17	86	20	25	58.4	55.6	22.2	M14	UC211	43000	29400	FA211	3.4	

Remark: Grease nipple: 1/4-28UNF

Flange Units
UCFK type
With set screws
Cylindrical bore
 Shaft dia.: 12~50mm

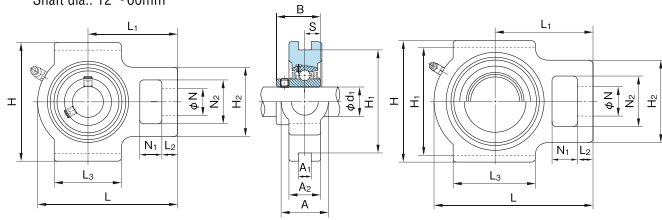


1N=0.102kgf

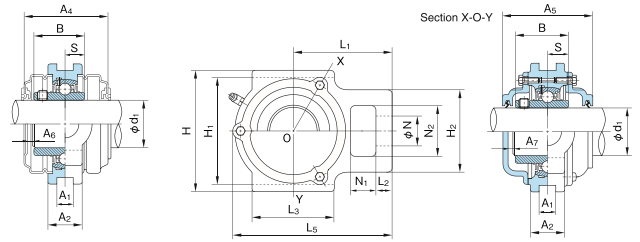
Shaft dia. d1 (mm)	Unit No.	Boundary dimensions (mm)															Bolt size	Bearings			Housing No.	Mass of Unit (kg)
		H	H1	L	L1	A	J	J1	J2	N	A1	A2	A0	B	S	No.		Basic load rating (N)				
		Cr	Cor																			
12	UCFK201	110	52	62	52	25.5	42	32	27	10	13	15	33.3	31	12.7	M 8	UC201	12800	6600	FK204	0.60	
15	UCFK202	110	52	62	52	25.5	42	32	27	10	13	15	33.3	31	12.7	M 8	UC202	12800	6600	FK204	0.58	
17	UCFK203	110	52	62	52	25.5	42	32	27	10	13	15	33.3	31	12.7	M 8	UC203	12800	6600	FK204	0.57	
20	UCFK204	110	52	62	52	25.5	42	32	27	10	13	15	33.3	31	12.7	M 8	UC204	12800	6600	FK204	0.55	
25	UCFK205	116	52	68	56	27	45	34	27	10	13	16	35.7	34	14.3	M 8	UC205	14000	7900	FK205	0.66	
30	UCFK206	130	55	78	65	31	50	40	29	10	13	18	40.2	38.1	15.9	M 8	UC206	19600	11300	FK206	0.93	
35	UCFK207	144	62	90	70	34	55	46	32	10	15	19	44.4	42.9	17.5	M 8	UC207	25900	15400	FK207	1.3	
40	UCFK208	164	72	100	78	36	60	50	41	12	16	21	51.2	49.2	19	M10	UC208	29300	17900	FK208	1.7	
45	UCFK209	174	76	106	80	38	65	54	43	12	18	22	52.2	49.2	19	M10	UC209	33000	20500	FK209	1.9	
50	UCFK210	184	82	112	86	40	68	58	46	12	18	22	54.6	51.6	19	M10	UC210	35500	23200	FK210	2.2	

Remark: Grease nipple: 1/4-28UNF

Take-up Units
UCT type With set screws Cylindrical bore
 Shaft dia.: 12~60mm



With steel covers



With cast covers

Shaft dia. d1 (mm)	Unit No.	Boundary dimensions (mm)																	Bearings			Housing No.	Unit No. with steel covers		Unit No. with cast covers		Mass of Unit (kg)			
		A	A1	A2	H	H1	H2	L	L5	L1	L2	L3	N	N1	N2	B	S	A4	A5	A6	A7		No.	Basic load rating (N)		Covers with rubber seal (End cover on one side)	Covers with rubber seal (End cover on one side)	standard	With steel cover	With cast cover
		Cr	Cor	Cr	Cor	Cr	Cor	Cr	Cor	Cr	Cor	Cr	Cor	Cr	Cor	Cr	Cor	Cr	Cor	Cr	Cor		Cr	Cor	Cr	Cor	Cr	Cor	Cr	Cor
12	UCT201	32	12	21	89	76	51	94	96	61	10	51	19	16	32	31	12.7	56	62	8	6	UC201	12800	6600	T204	UCT201C(E)	CUCT201C(CE)	0.79	0.85	1.2
15	UCT202	32	12	21	89	76	51	94	96	61	10	51	19	16	32	31	12.7	56	62	8	6	UC202	12800	6600	T204	UCT202C(E)	CUCT202C(CE)	0.77	0.83	1.2
17	UCT203	32	12	21	89	76	51	94	96	61	10	51	19	16	32	31	12.7	56	62	8	6	UC203	12800	6600	T204	UCT203C(E)	CUCT203C(CE)	0.76	0.82	1.2
20	UCT204	32	12	21	89	76	51	94	96	61	10	51	19	16	32	31	12.7	56	62	8	6	UC204	12800	6600	T204	UCT204C(E)	CUCT204C(CE)	0.74	0.80	1.2
25	UCT205	32	12	24	89	76	51	97	100	62	10	51	19	16	32	34	14.3	63	70	11	9	UC205	14000	7900	T205	UCT205C(E)	CUCT205C(CE)	0.82	0.89	1.5
	UCTX05	37	12	28	102	89	56	113	—	70	10	57	22	16	37	38.1	15.9	65	—	9	—	UCX05	19600	11300	TX05	UCTX05C(E)	—	1.3	1.3	—
	UCT305	36	12	26	89	80	62	122	122	76	12	65	26	16	36	38	15	—	78	—	UC305	21300	10900	T305	—	CUCT305C(CE)	1.4	—	2.0	
30	UCT206	37	12	28	102	89	56	113	113	70	10	57	22	16	37	38.1	15.9	65	74	9	8	UC206	19600	11300	T206	UCT206C(E)	CUCT206C(CE)	1.3	1.4	2.0
	UCTX06	37	12	30	102	89	64	129	—	78	13	64	22	16	37	42.9	17.5	70	—	8	—	UCX06	25900	15400	TX06	UCTX06C(E)	—	1.6	1.6	—
	UCT306	41	16	28	100	90	70	137	137	85	14	74	28	18	41	43	17	—	84	—	UC306	26800	15000	T306	—	CUCT306C(CE)	1.8	—	2.5	
35	UCT207	37	12	30	102	89	64	129	129	78	13	64	22	16	37	42.9	17.5	70	80	8	8	UC207	25900	15400	T207	UCT207C(E)	CUCT207C(CE)	1.6	1.8	2.6
	UCTX07	49	16	36	114	102	83	144	—	88	15	83	29	19	49	49.2	19	83	—	10	—	UCX07	29300	17900	TX07	UCTX07C(E)	—	2.6	2.6	—
	UCT307	45	16	32	111	100	75	150	150	94	15	80	30	20	45	48	19	—	90	—	UC307	33500	19200	T307	—	CUCT307C(CE)	2.4	—	3.3	
40	UCT208	49	16	33	114	102	83	144	144	88	16	83	29	19	49	49.2	19	82	90	10	8	UC208	29300	17900	T208	UCT208C(E)	CUCT208C(CE)	2.4	2.5	3.4
	UCTX08	49	16	36	117	102	83	144	—	87	15	83	29	19	49	49.2	19	82	—	10	—	UCX08	33000	20500	TX08	UCTX08C(E)	—	2.6	2.6	—
	UCT308	50	18	34	124	112	83	162	162	100	17	89	32	22	50	52	19	—	100	—	UC308	40500	23900	T308	—	CUCT308C(CE)	3.0	—	4.0	
45	UCT209	49	16	35	117	102	83	144	145	87	16	83	29	19	49	49.2	19	82	90	10	8	UC209	33000	20500	T209	UCT209C(E)	CUCT209C(CE)	2.4	2.6	3.6
	UCTX09	49	16	38	117	102	83	149	—	90	16	86	29	19	49	51.6	19	87	—	9	—	UCX09	35500	23200	TX09	UCTX09C(E)	—	2.8	3.0	—
	UCT309	55	18	38	138	125	90	178	178	110	18	97	34	24	55	57	22	—	106	—	UC309	51500	29500	T309	—	CUCT309C(CE)	4.1	—	5.5	
50	UCT210	49	16	37	117	102	83	149	151	90	16	86	29	19	49	51.6	19	87	98	9	10	UC210	35500	23200	T210	UCT210C(E)	CUCT210C(CE)	2.5	2.8	4.1
	UCTX10	64	22	42	146	130	102	171	—	106	19	95	35	25	64	55.6	22.2	88	—	9	—	UCX10	43000	29400	TX10	UCTX10C(E)	—	4.4	4.6	—
	UCT310	61	20	40	151	140	98	191	191	117	20	106	37	27	61	61	22	—	114	—	UC310	61500	38200	T310	—	CUCT310C(CE)	5.2	—	6.8	
55	UCT211	64	22	38	146	130	102	171	174	106	19	95	35	25	64	55.6	22.2	88	100	9	10	UC211	43000	29400	T211	UCT211C(E)	CUCT211C(CE)	4.0	4.3	5.6
	UCTX11	64	22	44	146	130	102	194	—	119	19	102	35	32	64	65.1	25.4	100	—	9	—	UCX11	52500	36100	TX11	UCTX11C(E)	—	5.2	5.5	—
	UCT311	66	22	44	163	150	105	207	207	127	21	115	39	29	66	66	25	—	120	—	UC311	71500	44800	T311	—	CUCT311C(CE)	6.4	—	8.3	
60	UCT212	64	22	42	146	130	102	194	194	119	19	102	35	32	64	65.1	25.4	102	114	10	11	UC212	52500	36100	T212	UCT212C(E)	CUCT212C(CE)	5.1	5.5	7.0
	UCTX12	70	26	48	167	151	111	224	—	137	21	121	41	32	70	65.1	25.4	104	—	11	—	UCX12	57500	40000	TX12	UCTX12C(E)	—	7.2	7.4	—
	UCT312	71	22	46	178	160	113	220	220	135	23	123	41	31	71	71	26	—	130	—	UC312	81500	52000	T312	—	CUCT312C(CE)	7.6	—	10.7	

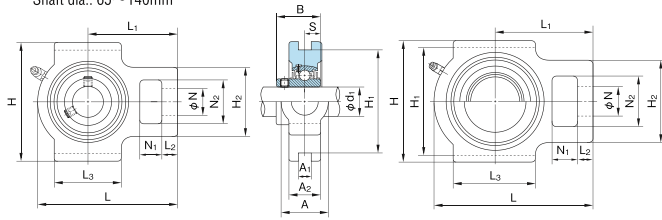
Remarks: 1. Grease nipple: 1/4-28UNF

Remarks: 2. Examples of unit numbers with covers:

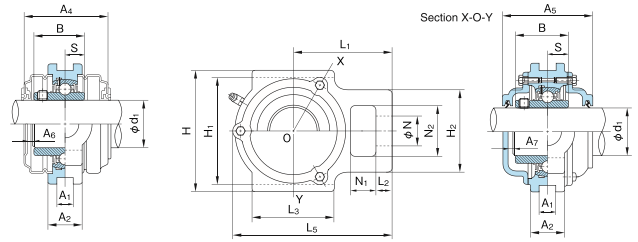
- With steel cover { Covers with rubber seal on both sides :UCT210C
- { An end cover and a cover with rubber seal :UCT210E
- { Covers with rubber seal on both sides :CUCT210C
- { An end cover and a cover with rubber seal :CUCT210CE
- With cast cover {

Take-up Units

UCT type With set screws Cylindrical bore
Shaft dia.: 65~140mm



With steel covers



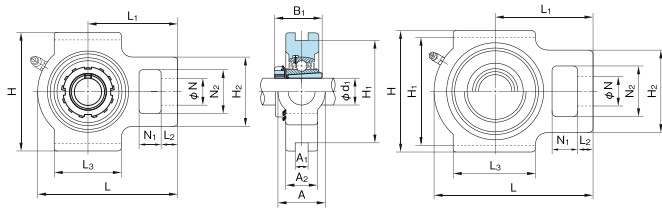
With cast covers

Shaft dia. d_1 (mm)	Unit No.	Boundary dimensions (mm)																	Bearings			Housing No.	Unit No. with steel covers		Mass of Unit (kg)					
		A	A ₁	A ₂	H	H ₁	H ₂	L	L ₃	L ₁	L ₂	L ₃	N	N ₁	N ₂	B	S	A ₄	A ₅	A ₆	A ₇		No.	Basic load rating (N)		Covers with rubber seal (End cover on one side)	Covers with rubber seal (End cover on one side)	standard	With steel cover	With cast cover
		Cr		Cor		No.		Cr		Cor		No.		Cr		Cor														
65	UCT213	70	26	44	167	151	111	224	224	137	21	121	41	32	70	65.1	25.4	102	118	10	13	UC213	57500	40000	T213	UCT213C(E)	UCT213C(CE)	7.0	7.5	9.2
	UCTX13	70	26	48	167	151	111	224	—	137	21	121	41	32	70	74.6	30.2	—	—	—	—	UCX13	62000	44000	TX13	—	—	7.4	—	—
	UCT313	80	26	50	190	170	116	238	242	146	25	134	43	32	70	75	30	—	140	—	17	UC313	92500	59700	T313	—	UCT313C(CE)	9.2	—	12.9
70	UCT214	70	26	46	167	151	111	224	224	137	21	121	41	32	70	74.6	30.2	—	134	—	16	UC214	62000	44000	T214	—	UCT214C(CE)	7.1	—	9.8
	UCTX14	70	26	48	167	151	111	232	—	140	21	121	41	32	70	77.8	33.3	—	—	—	—	UCX14	66000	48200	TX14	—	—	7.7	—	—
	UCT314	90	26	52	202	180	130	252	256	155	25	140	46	36	85	78	33	—	140	—	17	UC314	104000	68000	T314	—	UCT314C(CE)	11.2	—	15.0
75	UCT215	70	26	48	167	151	111	232	232	140	21	121	41	32	70	77.8	33.3	—	136	—	17	UC215	66000	48200	T215	—	UCT215C(CE)	7.5	—	10.2
	UCTX15	70	28	48	184	165	111	235	—	140	21	121	41	32	70	82.6	33.3	—	—	—	—	UCX15	72500	53000	TX15	—	—	8.4	—	—
	UCT315	90	26	55	216	192	132	262	266	160	25	150	46	36	85	82	32	—	150	—	17	UC315	114000	76900	T315	—	UCT315C(CE)	13.0	—	17.2
80	UCT216	70	26	51	184	165	111	235	236	140	21	121	41	32	70	82.6	33.3	—	146	—	15	UC216	72500	53000	T216	—	UCT216C(CE)	8.5	—	12.4
	UCTX16	73	28	54	198	173	124	260	—	162	28	157	48	38	73	85.7	34.1	—	—	—	—	UCX16	83500	61800	TX16	—	—	11.3	—	—
	UCT316	102	30	60	230	204	150	282	285	174	28	160	53	42	98	86	34	—	154	—	17	UC316	123000	86400	T316	—	UCT316C(CE)	15.6	—	20.7
85	UCT217	73	30	54	198	173	124	260	264	162	29	157	48	38	73	85.7	34.1	—	150	—	15	UC217	83500	61800	T217	—	UCT217C(CE)	11.2	—	15.4
	UCTX17	73	28	54	198	173	124	260	—	162	28	157	48	38	73	96	39.7	—	—	—	—	UCX17	95500	71400	TX17	—	—	11.0	—	—
	UCT317	102	32	64	240	214	152	298	302	183	30	170	53	42	98	96	40	—	164	—	18	UC317	132000	96500	T317	—	UCT317C(CE)	19.3	—	24.4
90	UCT318	110	32	66	255	228	160	312	316	192	30	175	57	46	106	96	40	—	168	—	20	UC318	143000	107200	T318	—	UCT318C(CE)	21.2	—	27.4
	UCT319	110	35	72	270	240	165	322	326	197	31	180	57	46	106	103	41	—	180	—	20	UC319	153000	118400	T319	—	UCT319C(CE)	24.4	—	31.3
	UCT320	120	35	75	290	260	175	345	349	210	32	200	59	48	115	108	42	—	190	—	21	UC320	173000	140400	T320	—	UCT320C(CE)	30.6	—	37.9
105	UCT321	120	35	75	290	260	175	345	354	210	32	200	59	48	115	112	44	—	194	—	21	UC321	183000	153100	T321	—	UCT321C(CE)	30.2	—	38.2
	UCT322	130	38	80	320	285	185	385	387	235	38	215	65	52	125	117	46	—	210	—	26	UC322	205000	178800	T322	—	UCT322C(CE)	38.8	—	48.2
	UCT324	140	45	90	355	320	210	432	432	267	42	230	70	60	140	126	51	—	220	—	25	UC324	207000	184800	T324	—	UCT324C(CE)	54.6	—	67.3
130	UCT326	150	50	100	385	350	220	465	465	285	45	240	75	65	150	135	54	—	230	—	24	UC326	229000	214300	T326	—	UCT326C(CE)	68.4	—	83.5
	UCT328	155	50	100	415	380	230	515	515	315	50	255	80	70	160	145	59	—	240	—	24	UC328	255000	246000	T328	—	UCT328C(CE)	83.2	—	101

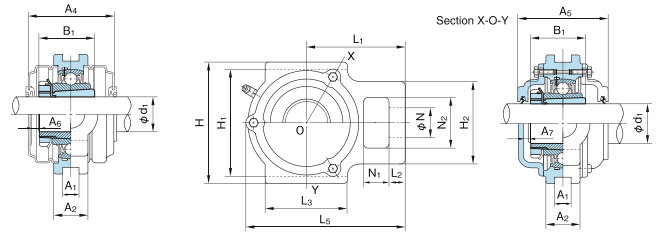
Remarks: 1. Grease nipple: 1/4-28UNF for bore number 13 and under
PF1/8 for bore number 14 and over

Remarks: 2. Examples of unit numbers with covers:
With steel cover { Covers with rubber seal on both sides :UCT213C
An end cover and a cover with rubber seal :UCT213E
With cast cover { Covers with rubber seal on both sides :UCT213C
An end cover and a cover with rubber seal :UCT213CE

Take-up Units
UKT+H type With adapter assembly Tapered bore
 Shaft dia.: 65~125mm



With steel covers



With cast covers

1N=0.102kgf

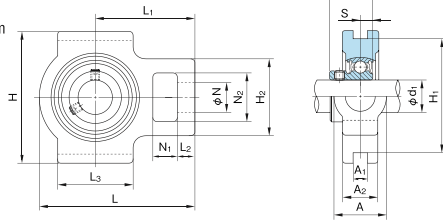
Shaft dia. d ₁ (mm)	Unit No.	Boundary dimensions (mm)																	Bearings			Housing No.	Unit No. with steel covers		Unit No. with cast covers		Mass of Unit (kg)		
		A	A ₁	A ₂	H	H ₁	H ₂	L	L ₃	L ₁	L ₂	L ₃	N	N ₁	N ₂	B ₁	A ₄	A ₅	A ₆	A ₇	No.		Basic load rating (N)	Cr	Cor	Covers with rubber seal (End cover on one side)	Covers with rubber seal (End cover on one side)	standard	With steel cover
65	UKT215+H2315	70	26	48	167	151	111	232	232	140	21	121	41	32	70	73	—	136	—	26	UK215+H2315	66000	48200	T215	—	CUKT215C(CE)+H2315	7.9	—	10.7
	UKTX15+H2315	70	28	48	184	165	111	235	—	140	21	121	41	32	70	73	—	—	—	—	UKX15+H2315	72500	53000	TX15	—	—	8.4	—	—
	UKT315+H2315	90	26	55	216	192	132	262	266	160	25	150	46	36	85	73	—	150	—	25	UK315+H2315	114000	76900	T315	—	CUKT315C(CE)+H2315	13.1	—	17.6
70	UKT216+H2316	70	26	51	184	165	111	235	236	140	21	121	41	32	70	78	—	146	—	26	UK216+H2316	72500	53000	T216	—	CUKT216C(CE)+H2316	8.9	—	12.9
	UKTX16+H2316	73	28	54	198	173	124	260	—	162	28	157	48	38	73	78	—	—	—	—	UKX16+H2316	83500	61800	TX16	—	—	11.4	—	—
	UKT316+H2316	102	30	60	230	204	150	282	285	174	28	160	53	42	98	78	—	154	—	23	UK316+H2316	123000	86400	T316	—	CUKT316C(CE)+H2316	15.9	—	21.1
75	UKT217+H2317	73	30	54	198	173	124	260	264	162	29	157	48	38	73	82	—	150	—	26	UK217+H2317	83500	61800	T217	—	CUKT217C(CE)+H2317	11.7	—	16.1
	UKTX17+H2317	73	28	54	198	173	124	260	—	162	28	157	48	38	73	82	—	—	—	—	UKX17+H2317	95500	71400	TX17	—	—	10.9	—	—
	UKT317+H2317	102	32	64	240	214	152	298	302	183	30	170	53	42	98	82	—	164	—	28	UK317+H2317	132000	96500	T317	—	CUKT317C(CE)+H2317	19.3	—	24.6
80	UKT318+H2318	110	32	66	255	228	160	312	316	192	30	175	57	46	106	86	—	168	—	26	UK318+H2318	143000	107200	T318	—	CUKT318C(CE)+H2318	21.4	—	28.4
	UKT319+H2319	110	35	72	270	240	165	322	326	197	31	180	57	46	106	90	—	180	—	30	UK319+H2319	153000	118400	T319	—	CUKT319C(CE)+H2319	24.4	—	31.5
	UKT320+H2320	120	35	75	290	260	175	345	349	210	32	200	59	48	115	97	—	190	—	31	UK320+H2320	173000	140400	T320	—	CUKT320C(CE)+H2320	30.6	—	38.5
100	UKT322+H2322	130	38	80	320	285	185	385	387	235	38	215	65	52	125	105	—	210	—	36	UK322+H2322	205000	178800	T322	—	CUKT322C(CE)+H2322	38.9	—	48.9
	UKT324+H2324	140	45	90	355	320	210	432	432	267	42	230	70	60	140	112	—	220	—	35	UK324+H2324	207000	184800	T324	—	CUKT324C(CE)+H2324	54.1	—	67.5
	UKT326+H2326	150	50	100	385	350	220	465	465	285	45	240	75	65	150	121	—	230	—	36	UK326+H2326	229000	214300	T326	—	CUKT326C(CE)+H2326	68.7	—	85.0
125	UKT328+H2328	155	50	100	415	380	230	515	515	315	50	255	80	70	160	131	—	240	—	37	UK328+H2328	255000	246000	T328	—	CUKT328C(CE)+H2328	83.5	—	103

Remarks: 1. Grease nipple: PF1/8

Remarks: 2. Examples of unit numbers with covers:

With cast cover { Covers with rubber seal on both sides :CUKT315C+H2315
 An end cover and a cover with rubber seal :CUKT315CE+H2315

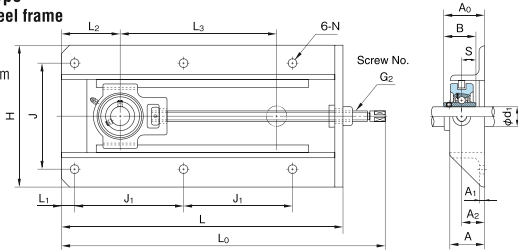
Take-up Units
BT200 type
 With set screws
 Cylindrical bore
 Shaft dia.: 20~35mm



1N=0.102kgf

Shaft dia. d1 (mm)	Unit No.	Boundary dimensions (mm)															Bearings			Housing No.	Mass of Unit (kg)
		A	A1	A2	H	H1	H2	L	L1	L2	L3	N	N1	N2	B	S	No.	Basic load rating (N)			
		Cr		Cor																	
20	BT204	32	12	21	89	76	51	94	61	10	51	19	16	32	24.7	7	B4	12800	6600	T204 G00	0.70
25	BT205	32	12	24	89	76	51	97	62	10	51	19	16	32	27	7.5	B5	14000	7900	T205 G00	0.79
30	BT206	37	12	28	102	89	56	113	70	10	57	22	16	37	30.3	8	B6	19600	11300	T206 G00	1.2
35	BT207	37	12	30	102	89	64	129	78	13	64	22	16	37	32.9	8.5	B7	25900	15400	T207 G00	1.6

Take-up Units
UCT200+WB type
 With pressed steel frame
 With set screws
 Cylindrical bore
 Shaft dia.: 12~65mm



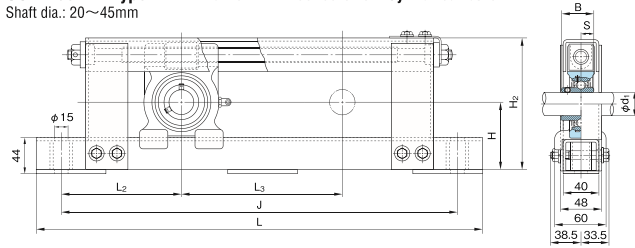
Shaft dia. d ₁ (mm)	Unit No.	Boundary dimensions (mm)															Bolt size	Frame No.	Bearings			Mass of Unit (kg)	
		H	L	J	J ₁	N	L ₁	L ₂	L ₃	G ₂	L ₄	A	A ₁	A ₂	A ₀	B			S	No.	Basic load rating (N)		
		Cr		Cor																			
12	UCT201+WB	199	317	154	117	12	19	83	150	Tr16	367	50	29	6	47.3	31	12.7	M10	WB205	UC201	12800	6600	5.0
15	UCT202+WB	199	317	154	117	12	19	83	150	Tr16	367	50	29	6	47.3	31	12.7	M10	WB205	UC202	12800	6600	5.0
17	UCT203+WB	199	317	154	117	12	19	83	150	Tr16	367	50	29	6	47.3	31	12.7	M10	WB205	UC203	12800	6600	5.0
20	UCT204+WB	199	317	154	117	12	19	83	150	Tr16	367	50	29	6	47.3	31	12.7	M10	WB205	UC204	12800	6600	5.0
25	UCT205+WB	199	317	154	117	12	19	83	150	Tr16	368	50	29	6	48.7	34	14.3	M10	WB205	UC205	14000	7900	5.0
30	UCT206+WB	212	337	166	127	12	19	95	150	Tr18	396	50	30	6	52.2	38.1	15.9	M10	WB206	UC206	19600	11300	5.9
35	UCT207+WB	212	429	166	173	12	19	99	230	Tr18	490	50	30	6	55.4	42.9	17.5	M10	WB207	UC207	25900	15400	7.9
40	UCT208+WB	233	520	192	219	15	22	108	300	Tr26	591	50	30	6	60.2	49.2	19	M12	WB210	UC208	29300	17900	11.1
45	UCT209+WB	233	520	192	219	15	22	108	300	Tr26	590	50	30	6	60.2	49.2	19	M12	WB210	UC209	33000	20500	11.1
50	UCT210+WB	233	520	192	219	15	22	108	300	Tr26	593	50	30	6	62.6	51.6	19	M12	WB210	UC210	35500	23200	11.2
55	UCT211+WB	301	542	240	230	15	22	114	300	Tr30	631	65	38	6	71.4	55.6	22.2	M12	WB211	UC211	43000	29400	17.3
60	UCT212+WB	301	568	240	243	15	22	127	300	Tr30	657	65	38	6	77.7	65.1	25.4	M12	WB212	UC212	52500	36100	18.7
65	UCT213+WB	322	606	260	260	15	22	144	300	Tr36	699	65	38	6	77.7	65.1	25.4	M12	WB213	UC213	57500	40000	23.4

Remark: Grease nipple: 1/4-28UNF

Take-up Units

UCTL200+WL type With frame With set screws Cylindrical bore

Shaft dia.: 20~45mm

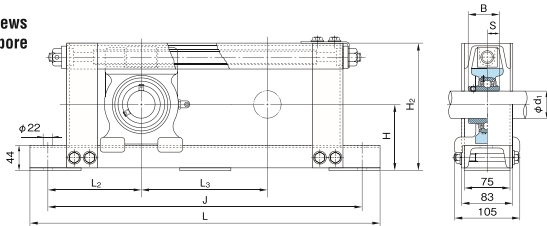


1N=0.102kgf

Shaft dia. d ₁ (mm)	Unit No.	Boundary dimensions (mm)									Bolt size	Bearings			Housing No.	Frame No.	Mass of Unit (kg)
		H	H ₂	L	J	L ₂	L ₃	B	S	No.		Basic load rating (N)					
												Cr	Cor				
20	<i>UCTL204+WL100</i>	77	146	430	370	135	100	31	12.7	M12	UC204	12800	6600	TL204	<i>WL204-100</i>	5.6	
	530			470	200		<i>WL204-200</i>								6.3		
	630			570	300		<i>WL204-300</i>								7.0		
	730			670	400		<i>WL204-400</i>								7.7		
25	<i>UCTL205+WL100</i>	82	156	440	380	140	100	34	14.3	M12	UC205	14000	7900	TL205	<i>WL205-100</i>	6.0	
	540			480	200		<i>WL205-200</i>								6.7		
	640			580	300		<i>WL205-300</i>								7.4		
	740			680	400		<i>WL205-400</i>								8.1		
30	<i>UCTL206+WL100</i>	87	166	450	390	145	100	38.1	15.9	M12	UC206	19600	11300	TL206	<i>WL206-100</i>	6.5	
	550			490	200		<i>WL206-200</i>								7.2		
	650			590	300		<i>WL206-300</i>								7.9		
	750			690	400		<i>WL206-400</i>								8.6		
35	<i>UCTL207+WL100</i>	92	176	460	400	150	100	42.9	17.5	M12	UC207	25900	15400	TL207	<i>WL207-100</i>	7.1	
	560			500	200		<i>WL207-200</i>								7.8		
	660			600	300		<i>WL207-300</i>								8.5		
	760			700	400		<i>WL207-400</i>								9.2		
40	<i>UCTL208+WL100</i>	97	186	470	410	155	100	49.2	19	M12	UC208	29300	17900	TL208	<i>WL208-100</i>	7.8	
	570			510	200		<i>WL208-200</i>								8.5		
	670			610	300		<i>WL208-300</i>								9.2		
	770			710	400		<i>WL208-400</i>								9.9		
45	<i>UCTL209+WL100</i>	100	192	480	420	160	100	49.2	19	M12	UC209	33000	20500	TL209	<i>WL209-100</i>	8.2	
	580			520	200		<i>WL209-200</i>								8.9		
	680			620	300		<i>WL209-300</i>								9.6		
	780			720	400		<i>WL209-400</i>								10.3		

Remarks: 1. Please contact NACHI for unit numbers appearing in italic.
2. Grease nipple: PF1/8

Take-up Units
UCTU200+WU type
 With frame
 With set screws
 Cylindrical bore
 Shaft dia.:
 40~60mm

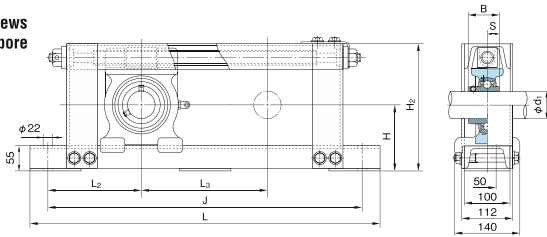


1N=0.102kgf

Shaft dia. d ₁ (mm)	Unit No.	Boundary dimensions (mm)									Bolt size	Bearings			Housing No.	Frame No.	Mass of Unit (kg)
		H	H ₂	L	J	L ₂	L ₃	B	S	No.		Basic load rating (N)					
												Cr	Cor				
40	UCTU208+WU500			870	810		500									WU208-500	19.0
	UCTU208+WU600			970	910		600									WU208-600	20.6
	UCTU208+WU700	97	190	1070	1010	155	700	49.2	19	M18	UC208	29300	17900	TC208	WU208-700	22.2	
	UCTU208+WU800			1170	1110		800									WU208-800	23.8
	UCTU208+WU900			1270	1210		900									WU208-900	25.3
45	UCTU209+WU500			880	820		500									WU209-500	19.7
	UCTU209+WU600			980	920		600									WU209-600	21.3
	UCTU209+WU700	102	200	1080	1020	160	700	19.2	19	M18	UC209	33000	20500	TC209	WU209-700	22.9	
	UCTU209+WU800			1180	1120		800									WU209-800	24.5
	UCTU209+WU900			1280	1220		900									WU209-900	26.1
50	UCTU210+WU500			890	830		500									WU210-500	20.5
	UCTU210+WU600			990	930		600									WU210-600	22.2
	UCTU210+WU700	107	210	1090	1030	165	700	51.6	19	M18	UC210	35500	23200	TC210	WU210-700	23.8	
	UCTU210+WU800			1190	1130		800									WU210-800	25.4
	UCTU210+WU900			1290	1230		900									WU210-900	27.0
55	UCTU211+WU500			910	850		500									WU211-500	22.4
	UCTU211+WU600			1010	950		600									WU211-600	23.7
	UCTU211+WU700	115	230	1110	1050	175	700	55.6	22.2	M18	UC211	43000	29400	TC211	WU211-700	25.8	
	UCTU211+WU800			1210	1150		800									WU211-800	27.4
	UCTU211+WU900			1310	1250		900									WU211-900	29.1
60	UCTU212+WU500			920	860		500									WU212-500	23.9
	UCTU212+WU600			1020	960		600									WU212-600	25.6
	UCTU212+WU700	120	240	1120	1060	180	700	65.1	25.4	M18	UC212	52500	36100	TC212	WU212-700	27.2	
	UCTU212+WU800			1220	1160		800									WU212-800	28.9
	UCTU212+WU900			1320	1260		900									WU212-900	30.6

Remarks: 1. Please contact NACHI for unit numbers appearing in *italics*.
 2. Grease nipple: PF1/8

Take-up Units
UCTU300+WU type
 With frame
 With set screws
 Cylindrical bore
 Shaft dia.:
 65~90mm



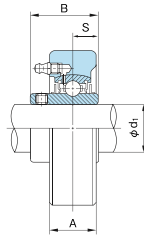
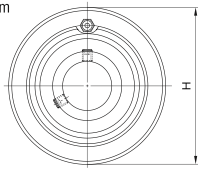
1N=0.102kgf

Shaft dia. d ₁ (mm)	Unit No.	Boundary dimensions (mm)									Bolt size	Bearings			Housing No.	Frame No.	Mass of Unit (kg)
		H	H ₂	L	J	L ₂	L ₃	B	S	No.		Basic load rating (N)					
												Cr	Cor				
65	UCTU313+WU500	145	285	940	880	190	500	75	30	M18	UC313	92500	59700	TU313	WU313-500	38.3	
	1040			980	600		WU313-600								40.6		
	1140			1080	700		WU313-700								42.9		
	1240			1180	800		WU313-800								45.3		
	1340			1280	900		WU313-900								47.6		
70	UCTU314+WU500	150	295	960	900	200	500	78	33	M18	UC314	104000	68000	TU314	WU314-500	40.8	
	1060			1000	600		WU314-600								43.1		
	1160			1100	700		WU314-700								45.4		
	1260			1200	800		WU314-800								47.8		
	1360			1300	900		WU314-900								50.1		
75	UCTU315+WU500	155	305	980	920	210	500	82	32	M18	UC315	114000	76900	TU315	WU315-500	43.6	
	1080			1020	600		WU315-600								45.9		
	1180			1120	700		WU315-700								48.3		
	1280			1220	800		WU315-800								50.6		
	1380			1320	900		WU315-900								52.9		
80	UCTU316+WU500	160	315	1000	940	220	500	86	34	M18	UC316	123000	86400	TU316	WU316-500	45.1	
	1100			1040	600		WU316-600								47.4		
	1200			1140	700		WU316-700								49.7		
	1300			1240	800		WU316-800								52.0		
	1400			1340	900		WU316-900								54.4		
85	UCTU317+WU500	165	325	1020	960	230	500	96	40	M18	UC317	132000	96500	TU317	WU317-500	49.8	
	1120			1060	600		WU317-600								52.1		
	1220			1160	700		WU317-700								54.4		
	1320			1260	800		WU317-800								56.7		
	1420			1360	900		WU317-900								59.0		
90	UCTU318+WU500	170	335	1050	990	245	500	96	40	M18	UC318	143000	107200	TU318	WU318-500	53.1	
	1150			1090	600		WU318-600								55.4		
	1250			1190	700		WU318-700								57.7		
	1350			1290	800		WU318-800								60.1		
	1450			1390	900		WU318-900								62.4		

Remarks: 1. Please contact NACHI for unit numbers appearing in italic.
 2. Grease nipple: PF1/8

Cylindrical Cartridge Units

UCC type
With set screws
Cylindrical bore
 Shaft dia.: 12~140mm



1N=0.102kgf

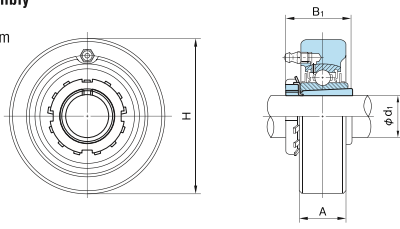
Shaft dia. d ₁ (mm)	Unit No.	Boundary dimensions (mm)				Bearings			Housing No.	Mass of Unit (kg)	
		H	A	B	S	No.	Basic load rating (N)				
12	UCC201	72	20	31	12.7	UC201	12800	6600	C204	0.54	
		72	20	31	12.7	UC202	12800	6600			
	15	UCC203	72	20	31	12.7	UC203	12800	6600	C204	0.51
			72	20	31	12.7	UC204	12800	6600		
17	UCC205	80	22	34	14.3	UC205	14000	7900	C205	0.65	
		90	27	38.1	15.9	UCX05	19600	11300			CX05
	20	UCC305	90	26	38	15	UC305	21300	10900	C305	
			85	27	38.1	15.9	UC206	19600	11300		C206
25	UCCX06	100	30	42.9	17.5	UCX06	25900	15400	CX06	1.3	
		100	28	43	17	UC306	26800	15000			C306
	30	UCC207	90	28	42.9	17.5	UC207	25900	15400	C207	
			110	34	49.2	19	UCX07	29300	17900		CX07
35	UCC307	110	32	48	19	UC307	33500	19200	C307	1.8	
		100	30	49.2	19	UC208	29300	17900			C208
	40	UCCX08	120	38	49.2	19	UCX08	33000	20500	CX08	
			120	34	52	19	UC308	40500	23900		C308
45	UCC209	110	31	49.2	19	UC209	33000	20500	C209	1.5	
		120	38	51.6	19	UCX09	35500	23200			CX09
	50	UCC309	130	38	57	22	UC309	51500	29500	C309	
			120	33	51.6	19	UC210	35500	23200		C210
55	UCCX10	130	40	55.6	22.2	UCX10	43000	29400	CX10	2.8	
		140	40	61	22	UC310	61500	38200			C310
	60	UCC211	125	35	55.6	22.2	UC211	43000	29400	C211	
			150	42	65.1	25.4	UCX11	52500	36100		CX11
65	UCC311	150	44	66	25	UC311	71500	44800	C311	3.9	
		130	38	65.1	25.4	UC212	52500	36100			C212
	70	UCCX12	160	44	65.1	25.4	UCX12	57500	40000	CX12	
			160	46	71	26	UC312	81500	52000		C312
75	UCC213	140	40	65.1	25.4	UC213	57500	40000	C213	3.0	
		170	50	75	30	UC313	92500	59700			C313
	80	UCC314	180	52	78	33	UC314	104000	68000	C314	
			190	55	82	32	UC315	114000	76900		C315
85	UCC316	200	60	86	34	UC316	123000	86400	C316	8.9	
		215	64	96	40	UC317	132000	96500			C317
	90	UCC318	225	66	96	40	UC318	143000	107200	C318	
			240	72	103	41	UC319	153000	118400		C319

1N=0.102kgf

Shaft dia. d ₁ (mm)	Unit No.	Boundary dimensions (mm)				Bearings			Housing No.	Mass of Unit (kg)
		H	A	B	S	No.	Basic load rating (N)			
100	UCC320	260	75	108	42	UC320	173000	140400	C320	19.2
		260	75	112	44	UC321	183000	153100		
105	UCC321	300	80	117	46	UC322	205000	178800	C322	28.1
		320	90	126	51	UC324	207000	184800		
110	UCC322	340	100	135	54	UC326	229000	214300	C326	42.2
		360	100	145	59	UC328	255000	246000		

Remark: Grease nipple: 1/4-28UNF for bore number 13 and under
 PF1/8 for bore number 14 and over

Cylindrical Cartridge Units
UKC+H type
 With adapter assembly
 Tapered bore
 Shaft dia.: 20~125mm



1N=0.102kgf

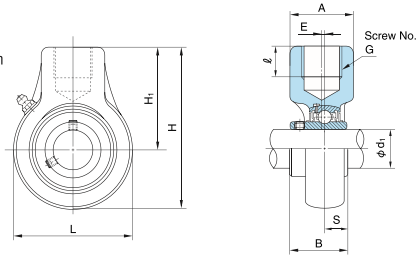
Shaft dia. d ₁ (mm)	Unit No.	Boundary dimensions (mm)			Bearings			Housing No.	Mass of Unit (kg)
		H	A	B ₁	No.	Basic load rating (N)			
20	UKC205+H2305	80	22	35	UK205+H2305	14000	7900	C205	0.70
	UKCX05+H2305	90	27	35	UKX05+H2305	19600	11300	CX05	1.0
	UKC305+H2305	90	26	35	UK305+H2305	21300	10900	C305	1.1
25	UKC206+H2306	85	27	38	UK206+H2306	19600	11300	C206	0.90
	UKCX06+H2306	100	30	38	UKX06+H2306	25900	15400	CX06	1.4
	UKC306+H2306	100	28	38	UK306+H2306	26800	15000	C306	1.4
30	UKC207+H2307	90	28	43	UK207+H2307	25900	15400	C207	0.99
	UKCX07+H2307	110	34	43	UKX07+H2307	29300	17900	CX07	1.8
	UKC307+H2307	110	32	43	UK307+H2307	33500	19200	C307	1.8
35	UKC208+H2308	100	30	46	UK208+H2308	29300	17900	C208	1.3
	UKCX08+H2308	120	38	46	UKX08+H2308	33000	20500	CX08	2.3
	UKC308+H2308	120	34	46	UK308+H2308	40500	23900	C308	2.2
40	UKC209+H2309	110	31	50	UK209+H2309	33000	20500	C209	1.7
	UKCX09+H2309	120	38	50	UKX09+H2309	35500	23200	CX09	2.3
	UKC309+H2309	130	38	50	UK309+H2309	51500	29500	C309	2.7
45	UKC210+H2310	120	33	55	UK210+H2310	35500	23200	C210	2.1
	UKCX10+H2310	130	40	55	UKX10+H2310	43000	29400	CX10	2.8
	UKC310+H2310	140	40	55	UK310+H2310	61500	38200	C310	3.3
50	UKC211+H2311	125	35	59	UK211+H2311	43000	29400	C211	2.3
	UKCX11+H2311	150	42	59	UKX11+H2311	52500	36100	CX11	4.6
	UKC311+H2311	150	44	59	UK311+H2311	71500	44800	C311	3.9
55	UKC212+H2312	130	38	62	UK212+H2312	52500	36100	C212	2.6
	UKCX12+H2312	160	44	62	UKX12+H2312	57500	40000	CX12	5.1
	UKC312+H2312	160	46	62	UK312+H2312	81500	52000	C312	4.7
60	UKC213+H2313	140	40	65	UK213+H2313	57500	40000	C213	3.1
	UKC313+H2313	170	50	65	UK313+H2313	92500	59700	C313	5.6
65	UKC315+H2315	190	55	73	UK315+H2315	114000	76900	C315	7.8
70	UKC316+H2316	200	60	78	UK316+H2316	123000	86400	C316	9.1
75	UKC317+H2317	215	64	82	UK317+H2317	132000	96500	C317	11.2
80	UKC318+H2318	225	66	86	UK318+H2318	143000	107200	C318	12.5
85	UKC319+H2319	240	72	90	UK319+H2319	153000	118400	C319	15.2
90	UKC320+H2320	260	75	97	UK320+H2320	173000	140400	C320	19.2

1N=0.102kgf

Shaft dia. d ₁ (mm)	Unit No.	Boundary dimensions (mm)			Bearings			Housing No.	Mass of Unit (kg)
		H	A	B ₁	No.	Basic load rating (N)			
100	UKC322+H2322	300	80	105	UK322+H2322	205000	178800	C322	28.2
	UKC324+H2324	320	90	112	UK324+H2324	207000	184800	C324	34.5
115	UKC326+H2326	340	100	121	UK326+H2326	229000	214300	C326	42.5
125	UKC328+H2328	360	100	131	UK328+H2328	255000	246000	C328	49.2

Remark: Grease nipple: 1/4-28UNF for bore number 13 and under
 PF1/8 for bore number 14 and over

Hanger Units
UCECH type
With set screws
Cylindrical bore
 Shaft dia.: 12~60mm



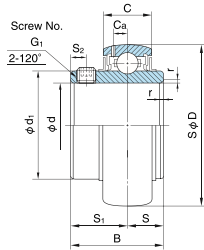
Shaft dia. d ₁ (mm)	Unit No.	Boundary dimensions (mm)										Bearings			Housing No.	Mass of Unit (kg)
		H	L	H ₁	A	G	ℓ	B	S	E	No.	Basic load rating (N)				
												C _r	C _{or}			
12	UCECH201	96	64	64	40	PF3/4	19	31	12.7	0	UC201	12800	6600	ECH204	0.85	
15	UCECH202	96	64	64	40	PF3/4	19	31	12.7	0	UC202	12800	6600	ECH204	0.83	
17	UCECH203	96	64	64	40	PF3/4	19	31	12.7	0	UC203	12800	6600	ECH204	0.82	
20	UCECH204	96	64	64	40	PF3/4	19	31	12.7	0	UC204	12800	6600	ECH204	0.80	
25	UCECH205	99	70	64	40	PF3/4	19	34	14.3	0	UC205	14000	7900	ECH205	0.74	
30	UCECH206	104	80	64	40	PF3/4	19	38.1	15.9	0	UC206	19600	11300	ECH206	0.91	
35	UCECH207	116	92	70	40	PF3/4	19	42.9	17.5	0	UC207	25900	15400	ECH207	1.2	
40	UCECH208	121	96	73	40	PF3/4	19	49.2	19	2	UC208	29300	17900	ECH208	1.4	
45	UCECH209	136	108	82	48	PF1	21	49.2	19	4	UC209	33000	20500	ECH209	1.8	
50	UCECH210	140	114	83	48	PF1	21	51.6	19	5	UC210	35500	23200	ECH210	1.9	
55	UCECH211	160	126	97	60	PF1 1/4	28	55.6	22.2	6	UC211	43000	29400	ECH211	2.3	
60	UCECH212	173	142	102	60	PF1 1/4	28	65.1	25.4	9	UC212	52500	36100	ECH212	4.2	

1N=0.102kgf

Remark: Grease nipple: 1/4-28UNF

Ball Bearings for Units

UC type
With set screws
Cylindrical bore
Shaft dia.: 12~140mm



1N=0.102kgf

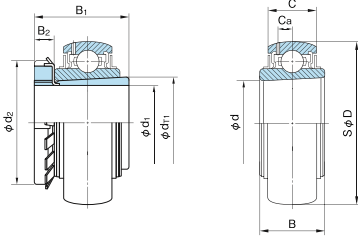
Shaft dia. (mm)	Ball Bearing No.	Boundary dimensions (mm)											Basic load rating (N)		Mass (kg)
		d	D	B	C	r	S	S ₁	S ₂	G ₁	Ca	d ₁	Cr	Cor	
12	UC201	12	47	31	17	1	12.7	18.3	4.5	M 6×0.75	4.5	29	12800	6600	0.21
15	UC202	15	47	31	17	1	12.7	18.3	4.5	M 6×0.75	4.5	29	12800	6600	0.19
17	UC203	17	47	31	17	1	12.7	18.3	4.5	M 6×0.75	4.5	29	12800	6600	0.18
20	UC204	20	47	31	17	1.5	12.7	18.3	4.5	M 6×0.75	4.5	29	12800	6600	0.16
25	UC205	25	52	34	17	1.5	14.3	19.7	5	M 6×0.75	4.5	34	14000	7900	0.19
	UCX05	25	62	38.1	19	1.5	15.9	22.2	5	M 6×0.75	5.1	40.5	19600	11300	0.37
	UC305	25	62	38	21	2	15	23	6	M 6×0.75	6.1	36.9	21300	10900	0.44
30	UC206	30	62	38.1	19	1.5	15.9	22.2	5	M 6×0.75	5.1	40.5	19600	11300	0.31
	UCX06	30	72	42.9	20	1.5	17.5	25.4	6	M 8×1	5.8	48	25900	15400	0.46
30	UC306	30	72	43	23	2	17	26	6	M 6×0.75	6.7	45	26800	15000	0.56
35	UC207	35	72	42.9	20	2	17.5	25.4	6	M 8×1	5.8	48	25900	15400	0.48
	UCX07	35	80	49.2	21	2	19	30.2	8	M 8×1	6.2	53	29300	17900	0.74
	UC307	35	80	48	25	2.5	19	29	8	M 8×1	7.4	50.5	33500	19200	0.71
40	UC208	40	80	49.2	21	2	19	30.2	8	M 8×1	6.2	53	29300	17900	0.62
	UCX08	40	85	49.2	22	2	19	30.2	8	M 8×1	6.5	57.3	33000	20500	0.80
	UC308	40	90	52	27	2.5	19	33	10	M10×1.25	8.2	56	40500	23900	1.00
45	UC209	45	85	49.2	22	2	19	30.2	8	M 8×1	6.5	57.3	33000	20500	0.67
	UCX09	45	90	51.6	23	2	19	32.6	9	M10×1.25	6.5	63	35500	23200	0.92
	UC309	45	100	57	30	2.5	22	35	10	M10×1.25	9	63	51500	29500	1.28
50	UC210	50	90	51.6	23	2	19	32.6	9	M10×1.25	6.5	63	35500	23200	0.78
	UCX10	50	100	55.6	24	2	22.2	33.4	9	M10×1.25	7.3	70	43000	29400	1.21
	UC310	50	110	61	32	3	22	39	12	M12×1.5	10	70.5	61500	38200	1.65
55	UC211	55	100	55.6	24	2.5	22.2	33.4	9	M10×1.25	7.3	70	43000	29400	1.03
	UCX11	55	110	65.1	26	2.5	25.4	39.7	10	M10×1.25	7.7	77	52500	36100	1.72
55	UC311	55	120	66	34	3	25	41	12	M12×1.5	10.7	76.5	71500	44800	2.07
60	UC212	60	110	65.1	26	2.5	25.4	39.7	10	M10×1.25	7.7	77	52500	36100	1.45
	UCX12	60	120	65.1	27	2.5	25.4	39.7	10	M10×1.25	8.3	82.1	57500	40000	1.97
	UC312	60	130	71	36	3.5	26	45	12	M12×1.5	11.5	82.5	81500	52000	2.59
65	UC213	65	120	65.1	27	2.5	25.4	39.7	10	M10×1.25	8.3	82.1	57500	40000	1.71
	UCX13	65	125	74.6	29	2.5	30.2	44.4	12	M12×1.5	8.7	87	62000	44000	2.33
	UC313	65	140	75	38	3.5	30	45	12	M12×1.5	12.2	88.5	92500	59700	3.15
70	UC214	70	125	74.6	29	2.5	30.2	44.4	12	M12×1.5	8.7	87	62000	44000	2.06
	UCX14	70	130	77.8	30	2.5	33.3	44.5	12	M12×1.5	9.2	91.5	66000	48200	2.57
70	UC314	70	150	78	40	3.5	33	45	12	M12×1.5	13	95.2	104000	68000	3.83

1N=0.102kgf

Shaft dia. (mm)	Ball Bearing No.	Boundary dimensions (mm)											Basic load rating (N)		Mass (kg)
		d	D	B	C	r	S	S ₁	S ₂	G ₁	Ca	d ₁	Cr	Cor	
75	UC215	75	130	77.8	30	2.5	33.3	44.5	14	M12×1.5	9.2	91.5	66000	48200	2.22
	UCX15	75	140	82.6	32	2.5	33.3	49.3	12	M12×1.5	9.6	98.5	72500	53000	3.22
75	UC315	75	160	82	42	3.5	32	50	14	M14×1.5	13.8	101.5	114000	76900	4.59
80	UC216	80	140	82.6	32	3	33.3	49.3	14	M12×1.5	9.6	98.5	72500	53000	2.82
	UCX16	80	150	85.7	34	3	34.1	51.6	12	M12×1.5	10.5	105	83500	61800	3.81
80	UC316	80	170	86	44	3.5	34	52	14	M14×1.5	14.5	108	123000	86400	5.40
85	UC217	85	150	85.7	34	3	34.1	51.6	14	M12×1.5	10.5	105	83500	61800	3.38
	UCX17	85	160	96	36	3	39.7	56.3	12	M12×1.5	11.1	111.5	95500	71400	4.83
85	UC317	85	180	96	46	4	40	56	16	M16×1.5	15	114.5	132000	96500	6.58
90	UC218	90	160	96	36	3	39.7	56.3	15	M12×1.5	11.1	111.5	95500	71400	4.34
	UCX18	90	170	104	38	3	42.9	61.1	14	M14×1.5	11.9	118	109000	81600	5.49
90	UC318	90	190	96	48	4	40	56	16	M16×1.5	15.9	121	143000	107200	7.34
95	UC319	95	200	103	50	4	41	62	16	M16×1.5	16.7	127.5	153000	118400	8.70
100	UCX20	100	190	117.5	42	3.5	49.2	68.3	16	M16×1.5	13	132.5	134000	104700	9.04
	UC320	100	215	108	54	4	42	66	18	M18×1.5	18	135.5	173000	140400	10.8
105	UC321	105	225	112	56	4	44	68	18	M18×1.5	19	142	183000	153100	12.2
110	UC322	110	240	117	60	4	46	71	18	M18×1.5	21	152	205000	178800	14.3
120	UC324	120	260	126	64	4	51	75	18	M18×1.5	22	165	207000	184800	18.5
130	UC326	130	280	135	68	5	54	81	20	M20×1.5	23	178	229000	214300	23.0
140	UC328	140	300	145	73	5	59	86	20	M20×1.5	25	191.5	255000	246000	28.5

Remark: Chamfer dimensions "r" shown in the table are nominal dimension.

Ball Bearings for Units
UK+H type
 With adapter assembly
 Tapered bore
 Shaft dia.: 20~125mm



1N=0.102kgf

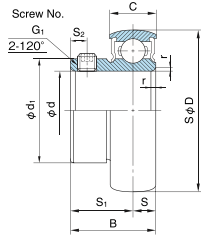
Shaft dia. (mm)	Ball Bearing No.	Boundary dimensions (mm)											Basic load rating (N)		Mass (kg)
		d ₁	D	B ₁	d	B	C	C _a	B ₂	d ₂	d _{r1}	Cr	Cor		
20	UK205+H2305	20	52	35	25	23	17	4.5	8	38	27.5	14000	7900	0.24	
	UKX05+H2305	20	62	35	25	26	19	5.1	8	38	27.5	19600	11300	0.37	
	UK305+H2305	20	62	35	25	26	21	6.1	8	38	27.5	21300	10900	0.48	
25	UK206+H2306	25	62	38	30	26	19	5.1	8	45	32.5	19600	11300	0.40	
	UKX06+H2306	25	72	38	30	27	20	5.8	8	45	32.5	25900	15400	0.54	
	UK306+H2306	25	72	38	30	29	23	6.7	8	45	32.5	26800	15000	0.59	
30	UK207+H2307	30	72	43	35	27	20	5.8	9	52	38	25900	15400	0.53	
	UKX07+H2307	30	80	43	35	29	21	6.2	9	52	38	29300	17900	0.70	
	UK307+H2307	30	80	43	35	31	25	7.4	9	52	38	33500	19200	0.74	
35	UK208+H2308	35	80	46	40	29	21	6.2	10	58	43	29300	17900	0.69	
	UKX08+H2308	35	85	46	40	30	22	6.5	10	58	43	33000	20500	0.81	
	UK308+H2308	35	90	46	40	34	27	8.2	10	58	43	40500	23900	1.01	
40	UK209+H2309	40	85	50	45	30	22	6.5	11	65	48.5	33000	20500	0.77	
	UKX09+H2309	40	90	50	45	31	23	6.5	11	65	48.5	35500	23200	0.94	
	UK309+H2309	40	100	50	45	37	30	9	11	65	48.5	51500	29500	1.31	
45	UK210+H2310	45	90	55	50	31	23	6.5	12	70	54	35500	23200	0.93	
	UKX10+H2310	45	100	55	50	33	24	7.3	12	70	54	43000	29400	1.22	
	UK310+H2310	45	110	55	50	40	32	10	12	70	54	61500	38200	1.68	
50	UK211+H2311	50	100	59	55	33	24	7.3	12	75	59	43000	29400	1.16	
	UKX11+H2311	50	110	59	55	36	26	7.7	12	75	59	52500	36100	1.54	
	UK311+H2311	50	120	59	55	43	34	10.7	12	75	59	71500	44800	2.06	
55	UK212+H2312	55	110	62	60	36	26	7.7	13	80	64.5	52500	36100	1.47	
	UKX12+H2312	55	120	62	60	38	27	8.3	13	80	64.5	57500	40000	1.89	
	UK312+H2312	55	130	62	60	46	36	11.5	13	80	64.5	81500	52000	2.53	
60	UK213+H2313	60	120	65	65	38	27	8.3	14	85	69.5	57500	40000	1.82	
	UKX13+H2313	60	125	65	65	40	29	8.7	14	85	69.5	62000	44000	2.09	
	UK313+H2313	60	140	65	65	48	38	12.2	14	85	69.5	92500	59700	3.07	
65	UK215+H2315	65	130	73	75	41	30	9.2	15	98	80	66000	48200	2.59	
	UKX15+H2315	65	140	73	75	44	32	9.6	15	98	80	72500	53000	3.25	
	UK315+H2315	65	160	73	75	54	42	13.8	15	98	80	114000	76900	4.74	
70	UK216+H2316	70	140	78	80	44	32	9.6	17	105	85.5	72500	53000	3.27	
	UKX16+H2316	70	150	78	80	46	34	10.5	17	105	85.5	83500	61800	3.86	
	UK316+H2316	70	170	78	80	57	44	14.5	17	105	85.5	123000	86400	5.62	
75	UK217+H2317	75	150	82	85	46	34	10.5	18	110	90.5	83500	61800	3.92	
	UKX17+H2317	75	160	82	85	49	36	11.1	18	110	90.5	95500	71400	4.72	
	UK317+H2317	75	180	82	85	60	46	15	18	110	90.5	132000	96500	6.56	

1N=0.102kgf

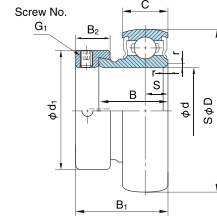
Shaft dia. (mm)	Ball Bearing No.	Boundary dimensions (mm)											Basic load rating (N)		Mass (kg)
		d ₁	D	B ₁	d	B	C	C _a	B ₂	d ₂	d _{r1}	Cr	Cor		
80	UK218+H2318	80	160	86	90	49	36	11.1	18	120	96	95500	71400	4.68	
	UKX18+H2318	80	170	86	90	52	38	11.9	18	120	96	109000	81600	5.11	
	UK318+H2318	80	190	86	90	63	48	15.9	18	120	96	143000	107200	7.52	
85	UK319+H2319	85	200	90	95	66	50	16.7	19	125	101	153000	118400	8.72	
	UKX20+H2320	90	190	97	100	58	42	13	20	130	106.5	134000	104700	8.10	
90	UK320+H2320	90	215	97	100	72	54	18	20	130	106.5	173000	140400	10.8	
	UK322+H2322	100	240	105	110	80	60	21	21	145	117	205000	178800	14.4	
100	UK324+H2324	110	260	112	120	86	64	22	22	155	127.5	207000	184800	18.0	
115	UK326+H2326	115	280	121	130	92	68	23	23	165	138.5	229000	214300	23.3	
125	UK328+H2328	125	300	131	140	98	73	25	24	180	149	255000	246000	28.8	

Ball Bearings for Units

B type
 With set screws
 Cylindrical bore
 Shaft dia.: 12~35mm



KHAE type
 With eccentric collar
 Cylindrical bore
 Shaft dia.: 12~35mm



B type

Shaft dia. (mm)	Ball Bearing No.	Boundary dimensions (mm)										Basic load rating (N)		Mass (kg)
		d	D	B	C	r	S	S ₁	S ₂	G ₁	d ₁	Cr	Cor	
12	B1	12	40	22	12	1	6	16	4	M5×0.8	24.7	9550	4800	0.10
15	B2	15	40	22	12	1	6	16	4	M5×0.8	24.7	9550	4800	0.09
17	B3	17	40	22	12	1	6	16	4	M5×0.8	24.7	9550	4800	0.07
20	B4	20	47	24.7	14	1.5	7	17.7	4.5	M5×0.8	29	12800	6600	0.12
25	B5	25	52	27	15	1.5	7.5	19.5	5	M6×0.75	34	14000	7900	0.16
30	B6	30	62	30.3	16	1.5	8	22.3	5	M6×0.75	40.5	19600	11300	0.25
35	B7	35	72	32.9	17	2	8.5	24.4	6	M8×1	48	25900	15400	0.38

Remark: Chamfer dimensions "r" shown in the table are nominal dimension.

1N=0.102kgf

KHAE type

Shaft dia. (mm)	Ball Bearing No.	Boundary dimensions (mm)										Basic load rating (N)		Mass (kg)
		d	D	B ₁	B	C	r	S	d ₁	B ₂	G	Cr	Cor	
12	KH201AE	12	40	28.6	19.1	12	1	6.5	28.6	13.5	M 6×0.75	9550	4800	0.12
15	KH202AE	15	40	28.6	19.1	12	1	6.5	28.6	13.5	M 6×0.75	9550	4800	0.11
17	KH203AE	17	40	28.6	19.1	12	1	6.5	28.6	13.5	M 6×0.75	9550	4800	0.10
20	KH204AE	20	47	31	21.5	14	1.5	7.5	33.3	13.5	M 6×0.75	12800	6600	0.16
25	KH205AE	25	52	31	21.5	15	1.5	7.5	38.1	13.5	M 6×0.75	14000	7900	0.20
30	KH206AE	30	62	35.7	23.8	16	1.5	9	44.5	15.9	M 8×1	19600	11300	0.31
35	KH207AE	35	72	38.9	25.4	17	2	9.5	55.6	17.5	M10×1.25	25900	15400	0.49

Remark: Chamfer dimensions "r" shown in the table are nominal dimension.

1N=0.102kgf

Silver series

Ball Bearings for Units

With eccentric collar

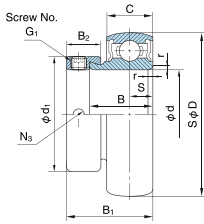
Cylindrical bore

U+ER type

Shaft dia.: 8~30mm

MU+ER type (Stainless Silver Series)

Shaft dia.: 10~30mm



U+ER type

1N=0.102kgf

Shaft dia. (mm)	Ball Bearing No.	Boundary dimensions (mm)											Basic load rating (N)		Mass (kg)
		d	D	B ₁	B	C	r	S	d ₁	B ₂	G ₁	N ₃	Cr	Cor	
10	U000+ER	10	26	17.5	11	8	0.5	4	17	8.5	M4×0.7	3.5	4600	2000	30
12	U001+ER	12	28	17.5	11	8	0.5	4	19	8.5	M4×0.7	3.5	5100	2400	36
15	U002+ER	15	32	18.5	12	9	0.5	4.5	22	8.5	M4×0.7	3.5	5600	2800	50
17	U003+ER	17	35	20.5	13.5	10	0.5	5	25	9.5	M4×0.7	3.5	6000	3300	62
20	U004+ER	20	42	24.5	16.5	12	1	6	30	11	M5×0.8	5	9350	5100	104
25	U005+ER	25	47	25.5	17.5	12	1	6	36	12	M5×0.8	5	10100	5800	133
30	U006+ER	30	55	26.5	18.5	13	1.5	6.5	42	12	M5×0.8	5	13200	8300	186
8	U 08+ER(*)	8	22	15	10	7	0.3	3.5	14	7	M3×0.5	2.5	3300	1360	16

Note: (*) U08X with set screws is available. U08X: B=12, d₁=11.3, set screw 2-M3×0.5 S2=2.5 (side surface to set screw center)
Remark: Chamfer dimensions "r" shown in the table are nominal dimension.

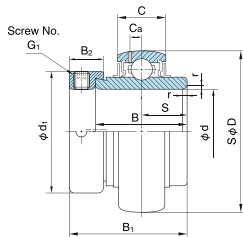
MU+ER type (Stainless Silver Series)

1N=0.102kgf

Shaft dia. (mm)	Ball Bearing No.	Boundary dimensions (mm)											Basic load rating (N)		Mass (kg)
		d	D	B ₁	B	C	r	S	d ₁	B ₂	G ₁	N ₃	Cr	Cor	
10	MU000+ER	10	26	17.5	11	8	0.5	4	17	8.5	M4×0.7	3.5	3900	1550	30
12	MU001+ER	12	28	17.5	11	8	0.5	4	19	8.5	M4×0.7	3.5	4300	1900	36
15	MU002+ER	15	32	18.5	12	9	0.5	4.5	22	8.5	M4×0.7	3.5	4750	2250	50
17	MU003+ER	17	35	20.5	13.5	10	0.5	5	25	9.5	M4×0.7	3.5	5100	2650	62
20	MU004+ER	20	42	24.5	16.5	12	1	6	30	11	M5×0.8	5	7900	4000	104
25	MU005+ER	25	47	25.5	17.5	12	1	6	36	12	M5×0.8	5	8600	4650	133
30	MU006+ER	30	55	26.5	18.5	13	1.5	6.5	42	12	M5×0.8	5	11300	6600	186

Remark: Chamfer dimensions "r" shown in the table are nominal dimension.

Ball Bearings for Units
UG+ER type
With eccentric collar
Cylindrical bore
 Shaft dia.: 20~60mm

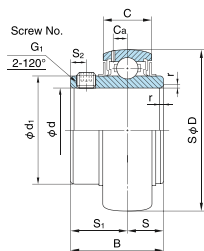


1N=0.102kgf

Shaft dia. (mm)	Ball Bearing No.	Boundary dimensions (mm)										Basic load rating (N)		Mass (kg)
		d	D	B ₁	B	C	r	S	d ₁	B ₂	G ₁	C _r	C _{or}	
20	UG204+ER	20	47	43.7	34.2	17	1.5	17.1	33.3	13.5	M 6×0.75	12800	6600	0.21
25	UG205+ER	25	52	44.4	34.9	17	1.5	17.5	38.1	13.5	M 6×0.75	14000	7900	0.23
30	UG206+ER	30	62	48.4	36.5	19	1.5	18.3	44.5	15.9	M 8×1	19600	11300	0.37
35	UG207+ER	35	72	51.1	37.6	20	2	18.8	55.6	17.5	M10×1.25	25900	15400	0.60
40	UG208+ER	40	80	56.3	42.8	21	2	21.4	60.3	18.3	M10×1.25	29300	17900	0.76
45	UG209+ER	45	85	56.3	42.8	22	2	21.4	63.5	18.3	M10×1.25	33000	20500	0.79
50	UG210+ER	50	90	62.7	49.2	23	2	24.6	69.9	18.3	M10×1.25	35500	23200	0.91
55	UG211+ER	55	100	71.4	55.5	24	2.5	27.8	76.2	20.7	M12×1.5	43000	29400	1.26
60	UG212+ER	60	110	77.8	61.9	26	2.5	31	84.2	22.3	M12×1.5	52500	36100	1.70

Remark: Chamfer dimensions "r" shown in the table are nominal dimension.

Ball Bearings for Units
 With stainless
MUC type
 With set screws
 Cylindrical bore
 Shaft dia.: 20~50mm



1N=0.102kgf

Shaft dia. (mm)	Ball Bearing No.	Boundary dimensions (mm)											Basic load rating (N)		Mass (kg)
		d	D	B	C	r	S	S ₁	S ₂	G ₁	C _a	d ₁	C _r	C _{or}	
20	MUC204	20	47	31	17	1.5	12.7	18.3	4.5	M 6×1	4.5	29	10900	5300	0.16
25	MUC205	25	52	34	17	1.5	14.3	19.7	5	M 6×1	4.5	34	11900	6300	0.19
30	MUC206	30	62	38.1	19	1.5	15.9	22.2	5	M 6×1	5.1	40.5	16700	9050	0.31
35	MUC207	35	72	42.9	20	2	17.5	25.4	6	M 8×1	5.8	48	22000	12300	0.48
40	MUC208	40	80	49.2	21	2	19	30.2	8	M 8×1	6.2	53	24900	14300	0.62
45	MUC209	45	85	49.2	22	2	19	30.2	8	M 8×1	6.5	57.3	28100	16400	0.67
50	MUC210	50	90	51.6	23	2	19	32.6	9	M10×1.25	6.5	63	30200	18600	0.78

Remark: Chamfer dimensions "r" shown in the table are nominal dimension.



Plummer Block Housings

Plummer Block housings ease to constitute bearing units by using with self-aligning ball bearings or spherical roller bearings. NACHI Plummer Block housing design is improved in term of accuracy, strength and rigidity.

● Features

- Wide range of sizes and configurations allows selection of optimal housing.
- Low weight to strength ratio.

- For straight shaft, the bearings with tapered bore and adapter can be mounted at any selected shaft position.
- For stepped-shaft, the bearings with cylindrical bore are fixed by shaft nut.

Remark: Housings not listed in the dimensions tables are also manufactured, consult NACHI for more information.

Table of contents

Type	Symbol	Bore diameter on both sides	Applicable Bearing	Shaft Dia. (mm)	Page
Split type	SN Standard type	SN5	Same	Tapered bore with adapter	20~140
		SN6			20~140
		SN30			10~170
		SN31			00~170
	SN Flat bottom type	SN5F	Same	Tapered bore with adapter	20~140
		SN6F			20~140
	SN Large bore dia on both sides	SN2	Same	Cylindrical bore	25~160
		SN3			25~85
		SN2C	Difference	Cylindrical bore	25~160
		SN3C			25~85
	SN Large bore dia on both sides Flat bottom	SN2F	Same	Cylindrical bore	25~160
		SN3F			25~85
SN2FC		Difference	Cylindrical bore	25~160	
SN3FC				25~85	
SD Standard type	SD5	Same	Tapered bore with adapter	150~300	
	SD6			150~260	
	SD30			150~300	
	SD31			150~300	
One-piece type	V Standard type	V	Same	Tapered bore with adapter	30~200
		Difference			Cylindrical bore

Remark: Please contact NACHI for housings not listed in table, special dimension, and with special accessories.

1. Materials for Plummer Block Housings

NACHI Plummer Blocks are made of gray cast iron FC200.

Spheroidal graphite iron castings FCD450 or carbon steel castings SC450 can be used for severe conditions such as vibration, shock and heavy load.

Materials for accessories are shown in right table.

Materials for Accessories

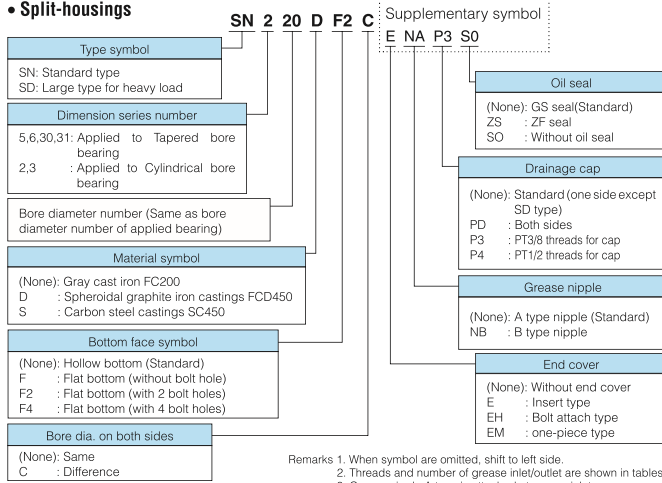
Accessory	Material	Symbol
Bolt	Rolled steels for general structure	SS400
Spring lock washer	High carbon steel wire rods	SWRH62B
Cover of V series	Gray iron castings	FC200
Oil seal	Nitrile rubber	NBR
Drainage plug	Carbon steels for machine structure use	S10C
Eyebolt	Rolled steels for general structure	SS400
Grease nipple	Free-cutting brass	C3604B
Locating ring	Gray iron castings	FC200
Adapter sleeve, Locknut, Lockplate	Carbon steels for machine structure use or Rolled steels for general structure	S25C or SS400
Plain washer	Rolled steels for general structure	SS400

2. Designations

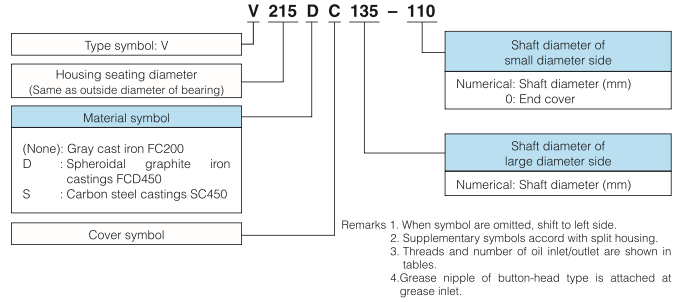
(1) Designations of Plummer Block Housings

Designations of Plummer Block Housings are shown as follows.

• Split-housings



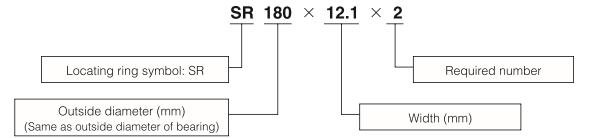
• One-piece housings



(2) Locating Rings

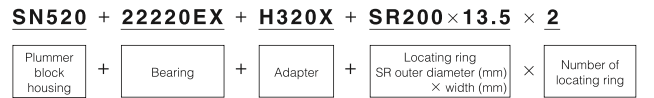
Locating ring for fixed side housing is identified as follows. locating ring should be prepared besides plummer block housings.

The dimension table show the designation and number of ring required for each bearing.

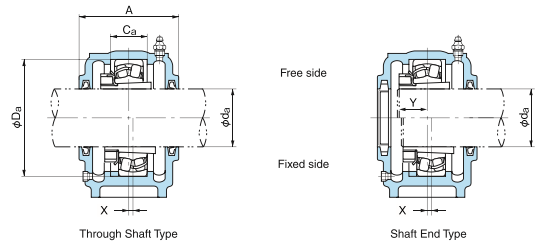
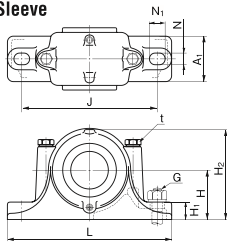


(3) Combination of Plummer Block Housing, Bearing, Adapter and Locating Ring

The designations of combination are obtained by adding each with '+' as following order.



Plummer Block Housings
SN5, SN6, SN30, SN31 Series
for Bearing with Adapter Sleeve
 Shaft Diameter: 20~55mm

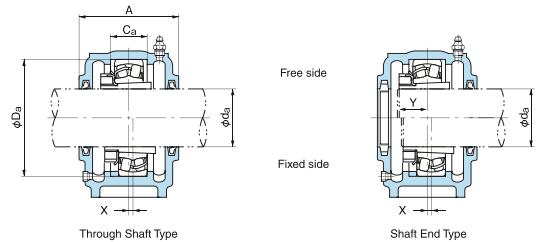
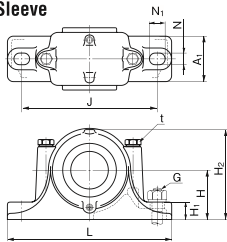


Shaft dia. da (mm)	Dimensions (mm)														Mass (kg) (Reference)	Designations		Applicable parts							Y (Reference)
	D _a (H8)	H (h13)	J	N	N ₁	A	L	A ₁	H ₁	H ₂	C _a (H13)	G (Nominal)	l (Nominal)	Reference		Through Shaft Type	Shaft End Type	Self-aligning ball bearings	Spherical roller bearings	Adapter sleeve	Oil seal	Locating ring			
																							Designations	Q'ty	
20	52	40	130	15	20	67	165	46	22	75	25	M12	M 8	1.1	SN505	SN505E	1205K	—	H205X	GS 5	SR52 × 5	2	17		
															SN605	SN605E	2205K	22205EXK	H305X	GS 5	SR52 × 7	1	19		
	62	50	150	15	20	80	185	52	22	90	34	M12	M 8	1.6			1305K	21305EK	H305X	GS 5	SR62 × 8.5	2	18		
																		2305K	—	H2305X	GS 5	SR62 × 10	1	22	
25	62	50	150	15	20	77	185	52	22	90	30	M12	M 8	1.7	SN506	SN506E	1206K	—	H206X	GS 6	SR62 × 7	2	18		
															SN606	SN606E	2206K	22206EXK	H306X	GS 6	SR62 × 10	1	20		
	72	50	150	15	20	82	185	52	22	95	37	M12	M10	1.8			1306K	21306EK	H306X	GS 6	SR72 × 9	2	19		
																		2306K	—	H2306X	GS 6	SR72 × 10	1	23	
30	72	50	150	15	20	82	185	52	22	95	33	M12	M10	1.9	SN507	SN507E	1207K	—	H207X	GS 7	SR72 × 8	2	19		
															SN607	SN607E	2207K	22207EXK	H307X	GS 7	SR72 × 10	1	22		
	80	60	170	15	20	90	205	60	25	110	41	M12	M10	2.6			1307K	21307EK	H307X	GS 7	SR80 × 10	2	21		
																		2307K	—	H2307X	GS 7	SR80 × 10	1	26	
35	80	60	170	15	20	85	205	60	25	110	33	M12	M10	2.6	SN508	SN508E	1208K	—	H208X	GS 8	SR80 × 7.5	2	21		
															SN608	SN608E	2208K	22208EXK	H308X	GS 8	SR80 × 10	1	23		
	90	60	170	15	20	95	205	60	25	115	43	M12	M10	2.9			1308K	21308EK	H308X	GS 8	SR90 × 10	2	23		
																		2308K	22308EXK	H2308X	GS 8	SR90 × 10	1	28	
40	85	60	170	15	20	85	205	60	25	112	31	M12	M10	2.8	SN509	SN509E	1209K	—	H209X	GS 9	SR85 × 6	2	22		
															SN609	SN609E	2209K	22209EXK	H309X	GS 9	SR85 × 8	1	24		
	100	70	210	18	23	105	255	70	28	130	46	M16	M12	4.1			1309K	21309EK	H309X	GS 9	SR100 × 10.5	2	25		
																		2309K	22309EXK	H2309X	GS 9	SR100 × 10	1	31	
45	90	60	170	15	20	90	205	60	25	115	33	M12	M10	3.0	SN510	SN510E	1210K	—	H210X	GS10	SR90 × 6.5	2	24		
															SN610	SN610E	2210K	22210EXK	H310X	GS10	SR90 × 10	1	25		
	110	70	210	18	23	115	255	70	30	135	50	M16	M12	4.7			1310K	21310EK	H310X	GS10	SR110 × 11.5	2	27		
																		2310K	22310EXK	H2310X	GS10	SR110 × 10	1	34	
50	100	70	210	18	23	95	255	70	28	130	33	M16	M12	4.5	SN511	SN511E	1211K	—	H211X	GS11	SR100 × 6	2	25		
															SN611	SN611E	2211K	22211EXK	H311X	GS11	SR100 × 8	1	27		
	120	80	230	18	23	120	275	80	30	150	53	M16	M12	5.8			1311K	21311EK	H311X	GS11	SR120 × 12	2	29		
																		2311K	22311EXK	H2311X	GS11	SR120 × 10	1	36	
55	110	70	210	18	23	105	255	70	30	135	38	M16	M12	5.0	SN512	SN512E	1212K	—	H212X	GS12	SR110 × 8	2	26		
															SN612	SN612E	2212K	22212EXK	H312X	GS12	SR110 × 10	1	29		
	130	80	230	18	23	125	280	80	30	155	56	M16	M12	6.5			1312K	21312EK	H312X	GS12	SR130 × 12.5	2	31		
																		2312K	22312EXK	H2312X	GS12	SR130 × 10	1	39	

Remarks: 1. Plummer block housings are housings with oil seals, a plug and a grease nipple only.
 To make a complete unit, please order the corresponding bearing, adapter sleeve and locating rings shown in the table additionally.
 2. The masses in the table do not include the bearing, adapter sleeve and locating rings but the bolts.
 3. H8, H13 and h13 in the table means tolerance classes specified in JIS B 0401.
 4. The tolerance of locating ring O.D. is h12, and 0 -0.2 for the width.

5. When one locating ring is used for fixed-end, the offset (X dimension) of bearing center from the center of the plummer block housing is a half of the locating ring width.
 6. The threads for plugs are PT1/8. SN505 does not have a drain hole.
 7. ZF type oil seals are also available instead of GS type seals.
 8. The dimension Y indicates the distance from the bearing center to the outer side face of the nut.

Plummer Block Housings
SN5, SN6, SN30, SN31 Series
for Bearing with Adapter Sleeve
 Shaft Diameter: 60~90mm

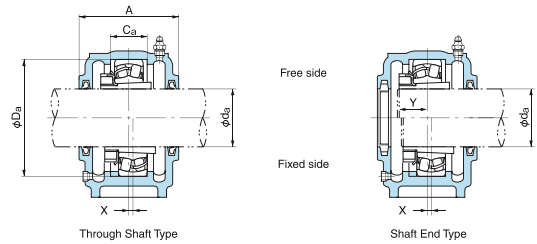
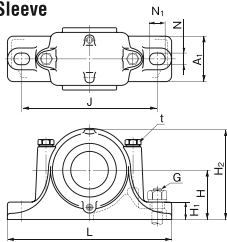


Shaft dia. da (mm)	Dimensions (mm)													Mass (kg) (Reference)	Designations		Applicable parts							Y (Reference)
	Da (H8)	H (h13)	J	N	N1	A	L	A1	H1	H2	Ca (H13)	G (Nominal)	I (Nominal) (Reference)		Through Shaft Type	Shaft End Type	Self-aligning ball bearings	Spherical roller bearings	Adapter sleeve	Oil seal	Locating ring			
																					Designations	Q'ty		
60	120	80	230	18	23	110	275	80	30	150	43	M16	M12	5.6	SN513	SN513E	1213K 2213K	— 22213EXK	H213X H313X	GS13	SR120 × 10	2	28	
	140	95	260	22	27	130	315	90	32	175	58	M20	M16	8.7	SN613	SN613E	1313K 2313K	21313EK 22313EXK	H313X H2313X	GS13	SR140 × 12.5 SR140 × 10	1 1	32 40	
																	130	80	230	18	23	115	280	80
65	160	100	290	22	27	140	345	100	35	195	65	M20	M16	11	SN615	SN615E	1315K 2315K	21315EK 22315EXK	H315X H2315X	GS15	SR160 × 14 SR160 × 10	2 1	36 45	
																	140	95	260	22	27	120	315	90
	170	112	290	22	27	145	345	100	35	212	68	M20	M16	13	SN616	SN616E	1316K 2316K	21316EK 22316EXK	H316X H2316X	GS16	SR170 × 14.5 SR170 × 10	2 1	39 48	
150																	95	260	22	27	125	320	90	32
75	180	112	320	26	32	155	380	110	40	223	70	M24	M20	15	SN617	SN617E	1317K 2317K	21317EK 22317EXK	H317X H2317X	GS17	SR180 × 14.5 SR180 × 10	2 1	41 50	
																	160	100	290	22	27	145	345	100
	190	112	320	26	32	160	380	110	40	230	74	M24	M20	19	SN618	SN618E	1318K 2318K	21318EK 22318EXK	H318X H2318X	GS18	SR160 × 11.2 SR160 × 10	2 1	40 46	
170																	112	290	22	27	140	345	100	35
85	200	125	350	26	32	170	410	120	45	250	77	M24	M20	22	SN619	SN619E	1319K 2319K	21319EK 22319EXK	H319X H2319X	GS19	SR200 × 16 SR200 × 10	2 1	44 55	
																	180	112	320	26	32	160	380	110
	215	140	350	26	32	175	410	120	45	270	83	M24	M20	25	SN620	SN620E	1320K 2320K	21320EK 22320EXK	H320X H2320X	GS20	SR180 × 10 SR215 × 18	2 2	52 46	
180																	112	320	26	32	160	380	110	40
90	215	140	350	26	32	175	410	120	45	270	83	M24	M20	25	SN620	SN620E	1320K 2320K	21320EK 22320EXK	H320X H2320X	GS20	SR215 × 18 SR215 × 10	2 2	46 59	
																	180	112	320	26	32	160	380	110
	215	140	350	26	32	175	410	120	45	270	83	M24	M20	25	SN620	SN620E	1320K 2320K	21320EK 22320EXK	H320X H2320X	GS20	SR215 × 18 SR215 × 10	2 2	46 59	

Remarks: 1. Plummer block housings are housings with oil seals, a plug and a grease nipple only.
 To make a complete unit, please order the corresponding bearing, adapter sleeve and locating rings shown in the table additionally.
 2. The masses in the table do not include the bearing, adapter sleeve and locating rings but the bolts.
 3. H8, H13 and h13 in the table means tolerance classes specified in JIS B 0401.
 4. The tolerance of locating ring O.D. is h12, and 0 ~ -0.2 for the width.

5. Plummer block housings SN3028, SN3126, SN524, SN620 and larger are provided with eye bolts.
 6. When one locating ring is used for fixed-end, the offset (X dimension) of bearing center from the center of the plummer block housing is a half of the locating ring width.
 7. The threads for plugs are PT1/8 for SN519, SN616 and smaller, and PT1/4 for the others.
 8. ZF type oil seals are also available instead of GS type seals.
 9. The dimension Y indicates the distance from the bearing center to the outer side face of the nut.

Plummer Block Housings
SN5, SN6, SN30, SN31 Series
for Bearing with Adapter Sleeve
 Shaft Diameter: 100~135mm

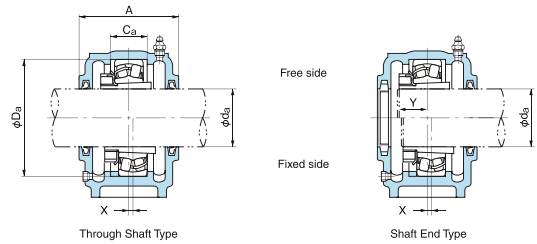
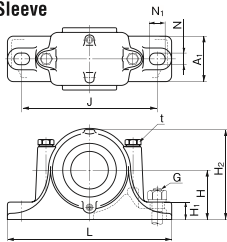


Shaft dia. da (mm)	Dimensions (mm)													Mass (kg) (Reference)	Designations		Applicable parts						
	Da (H8)	H (h13)	J	N	N1	A	L	A1	H1	H2	Ca (H13)	G (Nominal)	I (Nominal) (Reference)		Through Shaft Type	Shaft End Type	Self-aligning ball bearings	Spherical roller bearings	Adapter sleeve	Oil seal	Locating ring		Y (Reference)
																					Designations	Q'ty	
100	180	112	320	26	32	155	380	110	40	223	66	M24	M20	18	SN3122	SN3122E	—	23122EK	H3122X	GS22	SR180 × 10	1	51
	200	125	350	26	32	175	410	120	45	240	80	M24	M20	20	SN522	SN522E	1222K	—	H222X	GS22	SR200 × 21	2	42
																	2222EK	22222EXK	H322X	—	SR200 × 13.5	2	50
																	—	23222EK	H3222X	—	SR200 × 10	1	58
110	240	150	390	28	36	190	450	130	50	300	90	M24	M24	32	SN622	SN622E	1322K	21322EK	H322X	GS22	SR240 × 20	2	48
																	2322K	22322EXK	H2322X	—	SR240 × 10	1	63
	180	112	320	26	32	150	380	110	40	223	56	M24	M20	16	SN3024	SN3024E	—	23024EK	H3024X	GS24	SR180 × 10	1	47
	200	125	350	26	32	165	410	120	45	245	72	M24	M20	20	SN3124	SN3124E	—	23124EK	H3124X	GS24	SR200 × 10	1	55
115	215	140	350	26	32	185	410	120	45	270	86	M24	M20	25	SN524	SN524E	—	22224EK	H3124X	GS24	SR215 × 14	2	53
																	—	23224EK	H2324X	—	SR215 × 10	1	62
	260	160	450	33	42	200	530	160	60	320	96	M30	M24	48	SN624	SN624E	—	22324EK	H2324X	GS24	SR260 × 10	1	67
	200	125	350	26	32	160	410	120	45	245	62	M24	M20	19	SN3026	SN3026E	—	23026EK	H3026	GS26	SR200 × 10	1	51
125	210	140	350	26	32	170	410	120	45	270	74	M24	M20	26	SN3126	SN3126E	—	23126EK	H3126	GS26	SR210 × 10	1	57
	230	150	380	28	36	190	445	130	50	290	90	M24	M24	30	SN526	SN526E	—	22226EK	H3126	GS26	SR230 × 13	2	57
																	—	23226EK	H2326	—	SR230 × 10	1	65
	280	170	470	33	42	210	550	160	60	340	103	M30	M24	56	SN626	SN626E	—	22326EK	H2326	GS26	SR280 × 10	1	72
135	210	140	350	26	32	170	410	120	45	270	63	M24	M20	25	SN3028	SN3028E	—	23028EK	H3028	GS28	SR210 × 10	1	53
	225	150	380	28	36	180	445	130	50	290	78	M24	M24	32	SN3128	SN3128E	—	23128EK	H3128	GS28	SR225 × 10	1	60
	250	150	420	33	42	205	500	150	50	305	98	M30	M24	38	SN528	SN528E	—	22228EK	H3128	GS28	SR250 × 15	2	60
																	—	23228EK	H2328	—	SR250 × 10	1	70
135	300	180	520	35	45	235	610	170	65	365	112	M30	M30	72	SN628	SN628E	—	22328EK	H2328	GS28	SR300 × 10	1	77
	225	150	380	28	36	175	445	130	50	290	66	M24	M24	29	SN3030	SN3030E	—	23030EK	H3030	GS30	SR225 × 10	1	56
	250	150	420	33	42	200	500	150	50	305	90	M30	M24	38	SN3130	SN3130E	—	23130EK	H3130	GS30	SR250 × 10	1	68
	270	160	450	33	42	220	530	160	60	325	106	M30	M24	46	SN530	SN530E	—	22230EK	H3130	GS30	SR270 × 16.5	2	65
																	—	23230EK	H2330	—	SR270 × 10	1	76
	320	190	560	35	45	245	650	180	65	385	118	M30	M30	98	SN630	SN630E	—	22330EK	H2330	GS30	SR320 × 10	1	82

Remarks: 1. Plummer block housings are housings with oil seals, a plug and a grease nipple only.
 To make a complete unit, please order the corresponding bearing, adapter sleeve and locating rings shown in the table additionally.
 2. The masses in the table do not include the bearing, adapter sleeve and locating rings but the bolts.
 3. H8, H13 and h13 in the table means tolerance classes specified in JIS B 0401.
 4. The tolerance of locating ring O.D. is h12, and 0 ~ -0.2 for the width.

5. Plummer block housings SN3028, SN3126, SN524, SN620 and larger are provided with eye bolts.
 6. When one locating ring is used for fixed-end, the offset (X dimension) of bearing center from the center of the plummer block housing is a half of the locating ring width.
 7. The threads for plugs are PT1/4.
 8. ZF type oil seals are also available instead of GS type seals.
 9. The dimension Y indicates the distance from the bearing center to the outer side face of the nut.

Plummer Block Housings
SN5, SN6, SN30, SN31 Series
for Bearing with Adapter Sleeve
 Shaft Diameter: 140~170mm

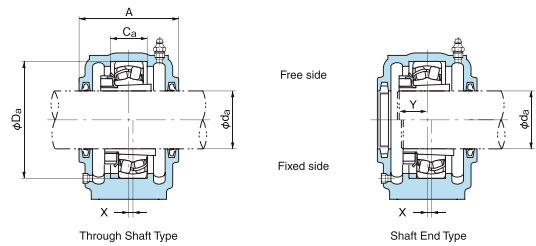
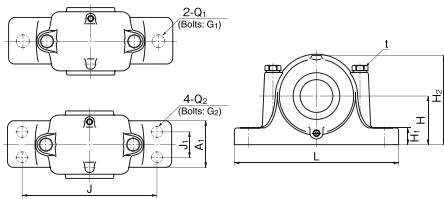


Shaft dia. da (mm)	Dimensions (mm)													Mass (kg) (Reference)	Designations		Applicable parts					Y (Reference)
	Da (H8)	H (h13)	J	N	N1	A	L	A1	H1	H2	Ca (H13)	G (Nominal)	I (Nominal) (Reference)		Through Shaft Type	Shaft End Type	Spherical roller bearings	Adapter sleeve	Oil seal	Locating ring		
																				Designations	Q'ty	
140	240	150	390	28	36	190	450	130	50	300	70	M24	M24	32	SN3032	SN3032E	23032EK	H3032	GS32	SR240 x 10	1	61
	270	160	450	33	42	215	530	160	60	325	96	M30	M24	48	SN3132	SN3132E	23132EK	H3132	GS32	SR270 x 10	1	74
	290	170	470	33	42	235	550	160	60	345	114	M30	M24	50	SN532	SN532E	22232EK	H3132	GS32	SR290 x 17	2	71
150	340	200	580	42	50	255	680	190	70	405	124	M36	M30	115	SN632	SN632E	23232EK	H2332	GS32	SR340 x 10	1	88
	260	160	450	33	42	200	530	160	60	320	77	M30	M24	40	SN3034	SN3034E	23034EK	H3034	GS34	SR260 x 10	1	66
	280	170	470	33	42	220	550	160	60	340	98	M30	M24	58	SN3134	SN3134E	23134EK	H3134	GS34	SR280 x 10	1	76
160	280	170	470	33	42	210	550	160	60	340	84	M30	M24	50	SN3036	SN3036E	23036EK	H3036	GS36	SR280 x 10	1	70
	300	180	520	35	45	230	610	170	65	365	106	M30	M30	70	SN3136	SN3136E	23136EK	H3136	GS36	SR300 x 10	1	81
	290	170	470	33	42	210	550	160	60	345	85	M30	M24	55	SN3038	SN3038E	23038EK	H3038	GS38	SR290 x 10	1	72
170	320	190	560	35	45	240	650	180	65	385	114	M30	M30	90	SN3138	SN3138E	23138EK	H3138	GS38	SR320 x 10	1	86

Remarks: 1. Plummer block housings are housings with oil seals, a plug and a grease nipple only.
 To make a complete unit, please order the corresponding bearing, adapter sleeve and locating rings shown in the table additionally.
 2. The masses in the table do not include the bearing, adapter sleeve and locating rings but the bolts.
 3. H8, H13 and h13 in the table means tolerance classes specified in JIS B 0401.
 4. The tolerance of locating ring O.D. is h12, and 0 ~ -0.2 for the width.

5. Plummer block housings SN3028, SN3126, SN524, SN620 and larger are provided with eye bolts.
 6. When one locating ring is used for fixed-end, the offset (X dimension) of bearing center from the center of the plummer block housing is a half of the locating ring width.
 7. The threads for plugs are PT1/4.
 8. ZF type oil seals are also available instead of GS type seals.
 9. The dimension Y indicates the distance from the bearing center to the outer side face of the nut.

Plummer Block Housings
Flat Bottom Type SN5F, SN6F Series
for Bearing with Adapter Sleeve
 Shaft Diameter: 60~90mm

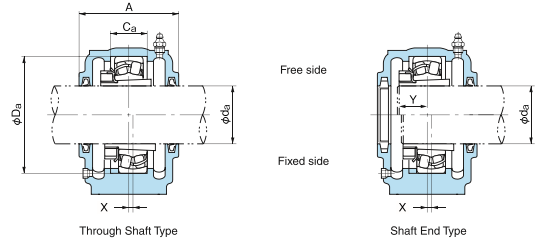
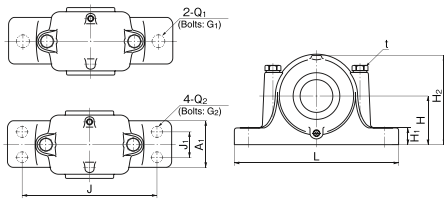


Shaft dia. da (mm)	Dimensions (mm)								Bolt holes (Reference)						l (Nominal) (Reference)	Mass (kg) (Reference)	Designations		Applicable parts						
	Da (H8)	H (h13)	A	L	A1	H1	H2	Ca (H13)	J	Q1	G1 (Nominal)	J1	Q2	G2 (Nominal)			Through Shaft Type	Shaft End Type	Self-aligning ball bearings	Spherical roller bearings	Adapter sleeve	Oil seal	Locating ring		Y (Reference)
																					Designations	Q'ty			
60	120	80	110	275	80	30	150	43	230	19	M16	40	15	M12	M12	7.0									
	140	95	130	315	90	32	175	58	260	24	M20	50	19	M16	M16	13									
65	130	80	115	280	80	30	155	41	230	19	M16	40	15	M12	M12	8.8									
	160	100	140	345	100	35	195	65	290	24	M20	50	19	M16	M16	16									
70	140	95	120	315	90	32	175	43	260	24	M20	50	19	M16	M16	13									
	170	112	145	345	100	35	212	68	290	24	M20	50	19	M16	M16	17									
75	150	95	125	320	90	32	185	46	260	24	M20	50	19	M16	M16	14									
	180	112	155	380	110	40	223	70	320	28	M24	60	24	M20	M20	24									
80	160	100	145	345	100	35	195	62.4	290	24	M20	50	19	M16	M16	18									
	190	112	160	380	110	40	230	74	320	28	M24	60	24	M20	M20	26									
85	170	112	140	345	100	35	210	53	290	24	M20	50	19	M16	M16	20									
	200	125	170	410	120	45	250	77	350	28	M24	70	24	M20	M20	30									
90	180	112	160	380	110	40	218	70.3	320	28	M24	60	24	M20	M20	26									
	215	140	175	410	120	45	270	83	350	28	M24	70	24	M20	M20	35									

Remarks: 1. Plummer block housings are housings with oil seals, a plug and a grease nipple only.
 To make a complete unit, please order the corresponding bearing, adapter sleeve and locating rings shown in the table additionally.
 2. The masses in the table do not include the bearing, adapter sleeve and locating rings but the bolts.
 3. H8, H13 and h13 in the table means tolerance classes specified in JIS B 0401.
 4. The tolerance of locating ring O.D. is h12, and 0 ~ -0.2 for the width.

5. Plummer block housings SN524F, SN620F and larger are provided with eye bolts.
 6. When one locating ring is used for fixed-end, the offset (X dimension) of bearing center from the center of the plummer block housing is a half of the locating ring width.
 7. The threads for plugs are PT1/8 for SN519F, SN616F and smaller, and PT1/4 for the others.
 8. ZP type oil seals are also available instead of GS type seals.
 9. Please specify number of bolt holes.
 10. The dimension Y indicates the distance from the bearing center to the outer side face of the nut.

Plummer Block Housings
Flat Bottom Type SN5F, SN6F Series
for Bearing with Adapter Sleeve
 Shaft Diameter: 100~140mm

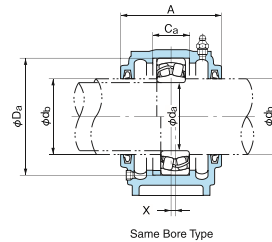
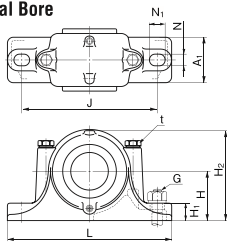


Shaft dia. da (mm)	Dimensions (mm)								Bolt holes (Reference)						t (Nominal) (Reference)	Mass (kg) (Reference)	Designations		Applicable parts					
	Da (H8)	H (h13)	A	L	A1	H1	H2	Ca (H13)	J	Q1	G1 (Nominal)	J1	Q2	G2 (Nominal)			Through Shaft Type	Shaft End Type	Self-aligning ball bearings	Spherical roller bearings	Adapter sleeve	Oil seal	Locating ring	
																					Designations	Q'ty		
100	200	125	175	410	120	45	240	80	350	28	M24	70	24	M20	M20	28								
																	1222K	—	H222X	GS22	SR200 × 21	2	42	
																	2222K	2222EXK	H322X		SR200 × 13.5	2	50	
110	240	150	190	450	130	50	300	90	390	28	M24	70	28	M24	M24	45								
																	—	2322EK	H322X		SR200 × 10	1	58	
																	1322K	21322EK	H322X	GS22	SR240 × 20	2	48	
115	215	140	185	410	120	45	270	86	350	28	M24	70	24	M20	M20	35								
																	—	2224EXK	H3124X	GS24	SR215 × 14	2	53	
																	—	2324EK	H2324X		SR215 × 10	1	62	
125	260	160	200	530	160	60	320	96	450	35	M30	90	28	M24	M24	63								
																	—	2224EK	H2324X	GS24	SR260 × 10	1	67	
																	230	230	H230	GS26	SR230 × 13	2	57	
135	280	170	210	550	160	60	340	103	470	35	M30	90	28	M24	M24	74								
																	—	2322EK	H2322X		SR230 × 10	1	65	
																	SN626F	SN626FE	—	2226EK	H2326X	GS26	SR280 × 10	1
140	250	150	205	500	150	50	305	98	420	35	M30	80	28	M24	M24	52								
																	—	2228EK	H3128	GS28	SR250 × 15	2	60	
																	SN628F	SN628FE	—	2328EK	H2328X	GS28	SR250 × 10	1
140	300	180	235	610	170	65	365	112	520	35	M30	100	28	M24	M30	92								
																	—	2232EK	H2322X		SR300 × 10	1	77	
																	SN530F	SN530FE	—	2230EK	H3130	GS30	SR270 × 16.5	2
140	320	190	245	650	180	65	385	118	560	35	M30	110	28	M24	M30	120								
																	—	2330EK	H2330		SR270 × 10	1	76	
																	SN630F	SN630FE	—	2233EK	H2330	GS30	SR320 × 10	1
140	290	170	235	550	160	60	345	114	470	35	M30	90	28	M24	M24	68								
																	—	2232EK	H3132	GS32	SR290 × 17	2	71	
																	SN532F	SN532FE	—	2332EK	H2332		SR290 × 10	1
																	—	2233EK	H2332		SR340 × 10	1	88	

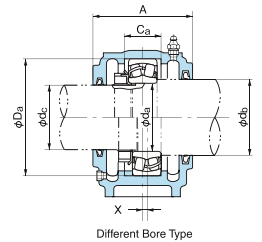
Remarks: 1. Plummer block housings are housings with oil seals, a plug and a grease nipple only.
 To make a complete unit, please order the corresponding bearing, adapter sleeve and locating rings shown in the table additionally.
 2. The masses in the table do not include the bearing, adapter sleeve and locating rings but the bolts.
 3. H8, H13 and h13 in the table means tolerance classes specified in JIS B 0401.
 4. The tolerance of locating ring O.D. is h12, and 0 - -0.2 for the width.

5. Plummer block housings SN524F, SN620F and larger are provided with eye bolts.
 6. When one locating ring is used for fixed-end, the offset (X dimension) of bearing center from the center of the plummer block housing is a half of the locating ring width.
 7. The threads for plugs are PT1/4.
 8. ZF type oil seals are also available instead of GS type seals.
 9. Please specify number of bolt holes.
 10. The dimension Y indicates the distance from the bearing center to the outer side face of the nut.

Plummer Block Housings
SN2, SN3 Series
for Bearing with Cylindrical Bore
 Shaft Diameter: 60~95mm



Free side
Fixed side



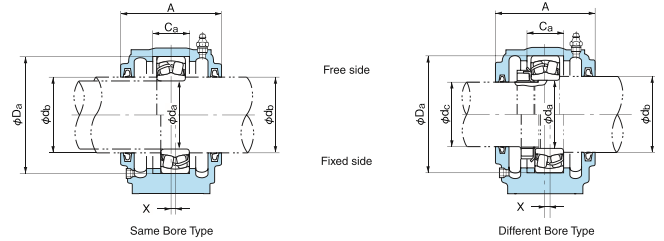
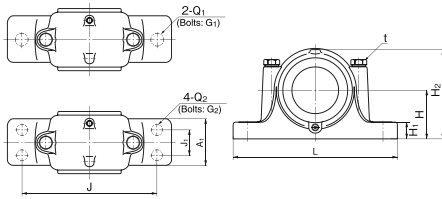
Shaft dia. (mm)		Dimensions (mm)														Mass (kg) (Reference)	Designations		Applicable parts									
da	db	dc	Da (H8)	H (h13)	J	N	N1	A	L	A1	H1	H2	Ca (H13)	G (Nominal)	t (Nominal Reference)		Same Bore Type	Different Bore Type	Self-aligning ball bearings	Spherical roller bearings	Nut	Locking washer	Oil seal		Locating ring		Y (Reference)	
																						db side	dc side	Designations	Q'ty			
60	70	55	110	70	210	18	23	105	255	70	30	135	38	M16	M12	5.0	SN212	SN212C	1212 2212	— 22212EX	AN12	AW12X	GS16	GS12	SR110×8 SR110×10	2 1	26 29	
	70(*)	55	130	80	230	18	23	125	280	80	30	155	56	M16	M12	6.5	SN312	SN312C	1312 2312	21312E 22312EX	AN12	AW12X	GS16	GS12	SR130×12.5 SR130×10	2 1	31 39	
65	75	60	120	80	230	18	23	110	275	80	30	150	43	M16	M12	5.6	SN213	SN213C	1213 2213	— 22213EX	AN13	AW13X	GS17	GS13	SR120×10 SR120×12	2 1	28 32	
	75(*)	60	140	95	260	22	27	130	315	90	32	175	58	M20	M16	8.7	SN313	SN313C	1313 2313	21313E 22313EX	AN13	AW13X	GS17	GS13	SR140×12.5 SR140×10	2 1	33 40	
70	80	65	125	80	230	18	23	115	275	80	30	155	44	M16	M12	6.2	SN214	SN214C	1214 2214	— 22214EX	AN14	AW14X	GS18	GS15	SR125×10 SR150×13	2 1	28 32	
	80(*)	65	150	95	260	22	27	130	320	90	32	185	61	M20	M16	10	SN314	SN314C	1314 2314	21314E 22314EX	AN14	AW14X	GS18	GS15	SR150×13 SR150×10	2 1	34 42	
75	85	70	130	80	230	18	23	115	280	80	30	155	41	M16	M12	7.0	SN215	SN215C	1215 2215	— 22215EX	AN15	AW15X	GS19	GS16	SR130×8 SR130×10	2 1	30 33	
	85(*)	70	160	100	290	22	27	140	345	100	35	195	65	M20	M16	11	SN315	SN315C	1315 2315	21315E 22315EX	AN15	AW15X	GS19	GS16	SR160×14 SR160×10	2 1	36 45	
80	90	75	140	95	260	22	27	120	315	90	32	175	43	M20	M16	9.0	SN216	SN216C	1216 2216	— 22216EX	AN16	AW16X	GS20	GS17	SR140×8.5 SR140×10	2 1	32 36	
	90(*)	75	170	112	290	22	27	145	345	100	35	212	68	M20	M16	13	SN316	SN316C	1316 2316	21316E 22316EX	AN16	AW16X	GS20	GS17	SR170×14.5 SR170×10	2 1	39 48	
85	95	80	150	95	260	22	27	125	320	90	32	185	46	M20	M16	10	SN217	SN217C	1217 2217	— 22217EX	AN17	AW17X	GS21	GS18	SR150×9 SR150×10	2 1	34 38	
	95(*)	80	180	112	320	26	32	155	380	110	40	223	70	M24	M20	15	SN317	SN317C	1317 2317	21317E 22317EX	AN17	AW17X	GS21	GS18	SR180×14.5 SR180×10	2 1	41 50	
90	100	85	160	100	290	22	27	145	345	100	35	195	62.4	M20	M16	13	SN218	SN218C	1218 2218	— 22218EX	AN18	AW18X	GS22	GS19	SR160×16.2 SR160×11.2	2 2	35 40	
95	110	90	170	112	290	22	27	140	345	100	35	210	53	M20	M16	15	SN219	SN219C	1219 2219	— 22219EX	AN19	AW19X	GS24	GS20	SR170×10.5 SR170×10	2 1	37 43	

Note: (*) When heavy axial load is applied, a spacer with large O.D. and small inner chamfer must be used between the bearing and shaft shoulder to obtain a sufficient contact area.

- Remarks: 1. Plummer block housings are housings with oil seals, a plug and a grease nipple only.
 To make a complete unit, please order the corresponding bearing, adapter sleeve and locating rings shown in the table additionally.
 2. The masses in the table do not include the bearing, nut and locating rings but the bolts.
 3. H8, H13 and h13 in the table means tolerance classes specified in JIS B 0401.
 4. The tolerance of locating ring O.D. is h12, and 0 ~ -0.2 for the width.

5. Plummer block housings SN224 and larger are provided with eye bolts.
 6. The threads for plugs are PT1/8 for SN316F and smaller, and PT1/4 for the others.
 7. When one locating ring is used for fixed-end, the offset (X dimension) of bearing center from the center of the plummer block housing is a half of the locating ring width.
 8. ZF type oil seals are also available instead of GS type seals.
 9. SNxxxC type housings for different shaft diameters db or dc from the dimensions shown above are also available.
 10. The dimension Y indicates the distance from the bearing center to the outer side face of the nut.

Plummer Block Housings
Flat Bottom Type SN2F, SN3F Series
for Bearing with Cylindrical Bore
 Shaft Diameter: 25~55mm



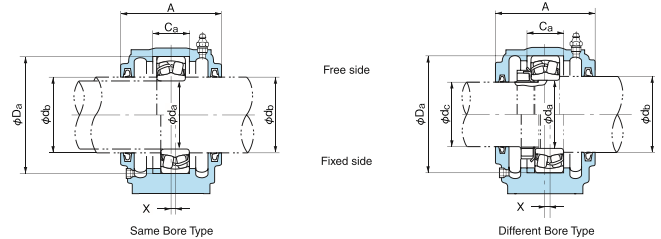
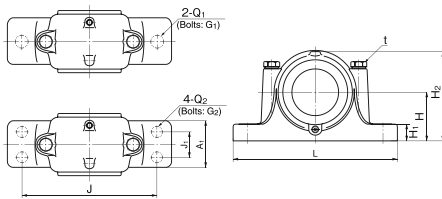
Shaft dia. (mm)	Dimensions (mm)											Bolt holes (Reference)					t (Nominal) (Reference)	Mass (kg) (Reference)	Designations		Applicable parts							Y (Reference)	
	d_a	d_b	d_c	D_a (H8)	H (h13)	A	L	A_1	H_1	H_2	C_a (H13)	J	Q_1	G_1 (Nominal)	J_1	Q_2			G_2 (Nominal)	Same Bore Type	Different Bore Type	Self-aligning ball bearings	Spherical roller bearings	Nut	Locking washer	Oil seal			Locating ring
25	30(*)	20	52	40	67	165	46	22	75	25	130	15	M12	25	10	M 8	M 8	1.7	SN205F	SN205FC	1205	—	AN05	AW05X	GS 7	GS 5	SR52 × 5	2	17
			62	50	80	185	52	22	90	34	150	15	M12	25	12	M10	M 8	2.4	SN305F	SN305FC	2205	22205EX	AN05	AW05X	GS 7	GS 5	SR52 × 7	1	19
			—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
30	35(*)	25	62	50	77	185	52	22	90	30	150	15	M12	25	12	M10	M 8	2.5	SN206F	SN206FC	1206	—	AN06	AW06X	GS 8	GS 6	SR62 × 7	2	18
			72	50	82	185	52	22	95	37	150	15	M12	25	12	M10	M10	2.5	SN306F	SN306FC	2206	22206EX	AN06	AW06X	GS 8	GS 6	SR62 × 10	1	20
			—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
35	45	30	72	50	82	185	52	22	95	33	150	15	M12	25	12	M10	M10	2.6	SN207F	SN207FC	1207	—	AN07	AW07X	GS10	GS 7	SR72 × 8	2	19
			80	60	90	205	60	25	110	41	170	15	M12	30	12	M10	M10	3.8	SN307F	SN307FC	2207	22207EX	AN07	AW07X	GS10	GS 7	SR72 × 10	1	22
			—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
40	50	35	80	60	85	205	60	25	110	33	170	15	M12	30	12	M10	M10	4.0	SN208F	SN208FC	1208	—	AN08	AW08X	GS11	GS 8	SR80 × 7.5	2	21
			90	60	95	205	60	25	115	43	170	15	M12	30	12	M10	M10	4.0	SN308F	SN308FC	2208	22208EX	AN08	AW08X	GS11	GS 8	SR80 × 10	1	23
			—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
45	55	40	85	60	85	205	60	25	112	31	170	15	M12	30	12	M10	M10	4.4	SN209F	SN209FC	1209	—	AN09	AW09X	GS12	GS 9	SR85 × 6	2	22
			100	70	105	255	70	28	130	46	210	19	M16	35	15	M12	M12	6.0	SN309F	SN309FC	2209	22209EX	AN09	AW09X	GS12	GS 9	SR85 × 8	1	24
			—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
50	60	45	90	60	90	205	60	25	115	33	170	15	M12	30	12	M10	M10	4.7	SN210F	SN210FC	1210	—	AN10	AW10X	GS13	GS10	SR90 × 6.5	2	24
			110	70	115	255	70	30	135	50	210	19	M16	35	15	M12	M12	6.5	SN310F	SN310FC	2210	22210EX	AN10	AW10X	GS13	GS10	SR90 × 10	1	25
			—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
55	65	50	100	70	95	255	70	28	130	33	210	19	M16	35	15	M12	M12	6.3	SN211F	SN211FC	1211	—	AN11	AW11X	GS15	GS11	SR100 × 6	2	25
			120	80	120	275	80	30	150	53	230	19	M16	40	15	M12	M12	8.5	SN311F	SN311FC	2211	22211EX	AN11	AW11X	GS15	GS11	SR100 × 8	1	27
			—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Note: (*) When heavy axial load is applied, a spacer with large O.D. and small inner chamfer must be used between the bearing and shaft shoulder to obtain a sufficient contact area.

- Remarks: 1. Plummer block housings are housings with oil seals, a plug and a grease nipple only.
 To make a complete unit, please order the corresponding bearing, adapter sleeve and locating rings shown in the table additionally.
 2. The masses in the table do not include the bearing, nut and locating rings but the bolts.
 3. H8, H13 and h13 in the table means tolerance classes specified in JIS B 0401.
 4. The tolerance of locating ring O.D. is h12, and D ~ -0.2 for the width.

5. The threads for plugs are PT1/8. SN205 does not have a drain holes.
 6. When one locating ring is used for fixed-end, the offset (X dimension) of bearing center from the center of the plummer block housing is a half of the locating ring width.
 7. ZF type oil seals are also available instead of GS type seals.
 8. SNxxx-C type housings for shaft diameters different from the dimensions d_b or d_c shown in the table can be custom ordered.
 9. Please specify number of bolt holes.
 10. The dimension Y indicates the distance from the bearing center to the outer side face of the nut.

Plummer Block Housings
Flat Bottom Type SN2F, SN3F Series
for Bearing with Cylindrical Bore
 Shaft Diameter: 60~95mm

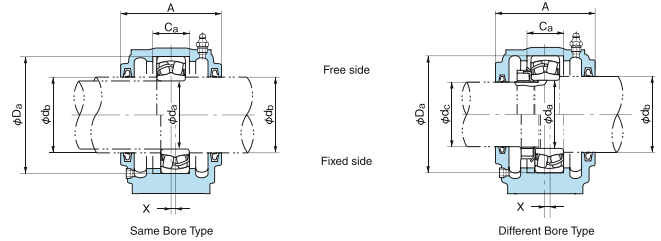
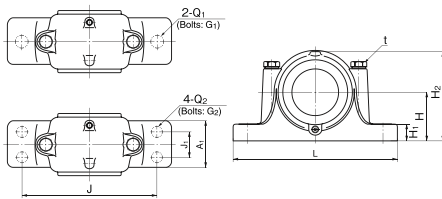


Shaft dia. (mm)	Dimensions (mm)											Bolt holes (Reference)						t (Nominal Reference)	Mass (kg) Reference	Designations		Applicable parts								Y (Reference)
	d _a	d _b	d _c	D _a (H8)	H (h13)	A	L	A ₁	H ₁	H ₂	C _a (H13)	J	Q ₁	G ₁ (Nominal)	J ₁	Q ₂	G ₂ (Nominal)			Same Bore Type	Different Bore Type	Self-aligning ball bearings	Spherical roller bearings	Nut	Locking washer	Oil seal d _b side	Oil seal d _c side	Designations	Q'ty	
60	70	55	110	70	105	255	70	30	135	38	210	19	M16	35	15	M12	M12	SN212F	SN212FC	1212	—	AN12	AW12X	GS16	GS12	SR110×8	2	26		
	70(1)	55	130	80	125	280	80	30	155	56	230	19	M16	40	15	M12	M12	SN312F	SN312FC	2212	22212EX	AN12	AW12X	GS16	GS12	SR110×10	1	29		
65	75	60	120	80	110	275	80	30	150	43	230	19	M16	40	15	M12	M12	SN213F	SN213FC	1213	—	AN13	AW13X	GS17	GS13	SR120×10	2	28		
	75(1)	60	140	95	130	315	90	32	175	58	260	24	M20	50	19	M16	M16	SN313F	SN313FC	2213	22213EX	AN13	AW13X	GS17	GS13	SR120×12	1	32		
70	80	65	125	80	115	275	80	30	155	44	230	19	M16	40	15	M12	M12	SN214F	SN214FC	1214	—	AN14	AW14X	GS18	GS15	SR125×10	2	28		
	80(1)	65	150	95	130	320	90	32	185	61	260	24	M20	50	19	M16	M16	SN314F	SN314FC	2214	22214EX	AN14	AW14X	GS18	GS15	SR125×13	1	32		
75	85	70	130	80	115	280	80	30	155	41	230	19	M16	40	15	M12	M12	SN215F	SN215FC	1215	—	AN15	AW15X	GS19	GS16	SR130×8	2	30		
	85(1)	70	160	100	140	345	100	35	195	65	290	24	M20	50	19	M16	M16	SN315F	SN315FC	2215	22215EX	AN15	AW15X	GS19	GS16	SR130×10	1	33		
80	90	75	140	95	120	315	90	32	175	43	260	24	M20	50	19	M16	M16	SN216F	SN216FC	1216	—	AN16	AW16X	GS20	GS17	SR140×8.5	2	45		
	90(1)	75	170	112	145	345	100	35	212	68	290	24	M20	50	19	M16	M16	SN316F	SN316FC	2216	22216EX	AN16	AW16X	GS20	GS17	SR140×10	1	36		
85	95	80	150	95	125	320	90	32	185	46	260	24	M20	50	19	M16	M16	SN217F	SN217FC	1217	—	AN17	AW17X	GS21	GS18	SR150×9	2	34		
	95(1)	80	180	112	155	380	110	40	223	70	320	28	M24	60	24	M20	M20	SN317F	SN317FC	2217	22217EX	AN17	AW17X	GS21	GS18	SR150×10	1	38		
90	100	85	160	100	145	345	100	35	195	62.4	290	24	M20	50	19	M16	M16	SN218F	SN218FC	1218	—	AN18	AW18X	GS22	GS19	SR160×16.2	2	35		
																		SN318F	SN318FC	2218	22218EX	—	—	—	—	SR160×11.2	2	40		
95	110	90	170	112	140	345	100	35	210	53	290	24	M20	50	19	M16	M16	SN219F	SN219FC	1219	—	AN19	AW19X	GS24	GS20	SR170×10.5	2	37		
																		SN319F	SN319FC	2219	22219EX	—	—	—	—	SR170×10	1	43		

Note: (1) When heavy axial load is applied, a spacer with large O.D. and small inner chamfer must be used between the bearing and shaft shoulder to obtain a sufficient contact area.
 Remarks: 1. Plummer block housings are housings with oil seals, a plug and a grease nipple only.
 To make a complete unit, please order the corresponding bearing, adapter sleeve and locating rings shown in the table additionally.
 2. The masses in the table do not include the bearing, nut and locating rings but the bolts.
 3. H8, H13 and h13 in the table means tolerance classes specified in JIS B 0401.
 4. The tolerance of locating ring O.D. is h12, and 0 ~ -0.2 for the width.

5. Plummer block housings SN224F and larger are provided with eye bolts.
 6. The threads for plugs are PT1/8 for SN219F, SN316F and smaller, and PT1/4 for the others.
 7. When one locating ring is used for fixed-end, the offset (X dimension) of bearing center from the center of the plummer block housing is a half of the locating ring width.
 8. ZF type oil seals are also available instead of GS type seals.
 9. ShxxC type housings for shaft diameters different from the dimensions d_b or d_c shown in the table can be custom ordered.
 10. Please specify number of bolt holes.
 11. The dimension Y indicates the distance from the bearing center to the outer side face of the nut.

Plummer Block Housings
Flat Bottom Type SN2F, SN3F Series
for Bearing with Cylindrical Bore
 Shaft Diameter: 100~160mm

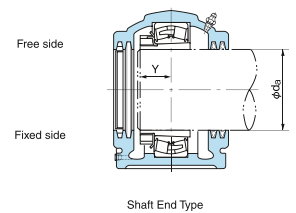
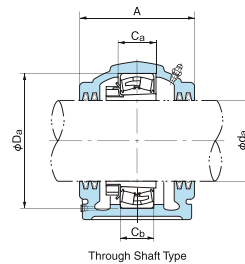
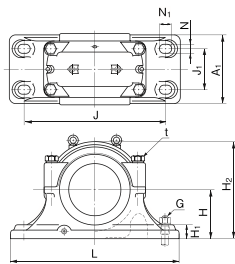


Shaft dia. (mm)		Dimensions (mm)											Bolt holes (Reference)						t (Nominal Reference)	Mass (kg) (Reference)	Designations		Applicable parts							Y (Reference)
da	db	dc	Da (H8)	H (h13)	A	L	A1	H1	H2	Ca (H13)	J	Q1	G1 (Nominal)	J1	Q2	G2 (Nominal)	t (Nominal Reference)	Mass (kg) (Reference)	Same Bore Type	Different Bore Type	Self-aligning ball bearings	Spherical roller bearings	Nut	Locking washer	Oil seal		Locating ring		Y (Reference)	
																									db side	dc side	Designations	Q'ty		
100	115	95	180	112	160	380	110	40	218	70.3	320	28	M24	60	24	M20	M20	26	SN220F	SN220FC	1220 2220 —	— 2222EX 23220E	AN20	AW20X	GS26	GS21	SR180 × 18.1 SR180 × 12.1 SR180 × 10	2 2 1	39 45 52	
			200	125	175	410	120	45	240	80	350	28	M24	70	24	M20	M20	28	SN222F	SN222FC	1222 2222 —	— 2222EX 23222E	AN22	AW22X	GS28	GS23	SR200 × 21 SR200 × 13.5 SR200 × 10	2 2 1	42 50 58	
120	135	115	215	140	185	410	120	45	270	86	350	28	M24	70	24	M20	M20	35	SN224F	SN224FC	— —	22224EX 23224E	AN24	AW24X	GS30	GS26	SR215 × 14 SR215 × 10	2 1	53 62	
130	145	125	230	150	190	445	130	50	290	90	380	28	M24	70	28	M24	M24	42	SN226F	SN226FC	— —	22226EX 23226E	AN26	AW26	GS33	GS28	SR230 × 13 SR230 × 10	2 1	57 65	
140	155	135	250	150	205	500	150	50	305	98	420	35	M30	80	28	M24	M24	52	SN228F	SN228FC	— —	22228EX 23228E	AN28	AW28	GS35	GS30	SR250 × 15 SR250 × 10	2 1	60 70	
150	165	145	270	160	220	530	160	60	325	106	450	35	M30	90	28	M24	M24	61	SN230F	SN230FC	— —	22230E 23230E	AN30	AW30	GS37	GS33	SR270 × 16.5 SR270 × 10	2 1	65 76	
160	175	150	290	170	235	550	160	60	345	114	470	35	M30	90	28	M24	M24	68	SN232F	SN232FC	— —	22232E 23232E	AN32	AW32	GS39	GS34	SR290 × 17 SR290 × 10	1 1	71 83	

Remarks: 1. Plummer block housings are housings with oil seals, a plug and a grease nipple only. To make a complete unit, please order the corresponding bearing, adapter sleeve and locating rings shown in the table additionally.
 2. The masses in the table do not include the bearing, nut and locating rings but the bolts.
 3. H8, H13 and h13 in the table means tolerance classes specified in JIS B 0401.
 4. The tolerance of locating ring O.D. is h12, and 0 - -0.2 for the width.

5. Plummer block housings SN224F and larger are provided with eye bolts.
 6. The threads for plugs are PT1/8 for SN219F, SN316F and smaller, and PT1/4 for the others.
 7. When one locating ring is used for fixed-end, the offset (X dimension) of bearing center from the center of the plummer block housing is a half of the locating ring width.
 8. ZF type oil seals are also available instead of GS type seals.
 9. SNxxx-C type housings for shaft diameters different from the dimensions db or dc shown in the table can be custom ordered.
 10. Please specify number of bolt holes.
 11. The dimension Y indicates the distance from the bearing center to the outer side face of the nut.

Plummer Block Housings
SD5, SD6, SD30, SD31 Series
for Bearing with Adapter Sleeve
Shaft Diameter: 150~240mm

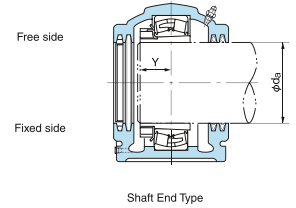
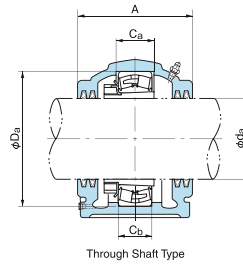
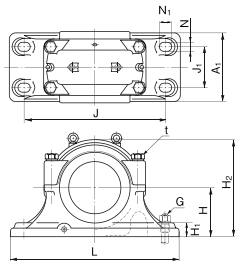


Shaft dia. da (mm)	Dimensions (mm)														Mass (kg) (Reference)	Designations		Applicable parts			Y (Reference)	
	Da (H8)	H (h13)	J	J1	N	N1	A	L	A1	H1	H2	Ca (H13)	Cb (H13)	G (Nominal)		t (Nominal) (Reference)	Free side	Fixed side	Spherical roller bearings	Adapter sleeve		Oil seal
150	260	160	450	110	36	46	230	540	200	50	315	77	67	M30	M24	70	SD3034	SD3034G	23034EK	H3034	GS34	66
	280	170	470	120	36	46	250	560	220	50	335	98	88	M30	M24	75	SD3134	SD3134G	23134EK	H3134	GS34	76
	310	180	510	140	36	46	270	620	250	60	360	96	86	M30	M24	100	SD534	SD534G	22234EK	H3134	GS34	75
	360	210	610	170	36	46	300	740	290	65	420	130	120	M30	M30	160	SD634	SD634G	22334EK	H2334	GS34	92
	160	280	170	470	120	36	46	250	560	220	50	335	84	74	M30	M24	79	SD3036	SD3036G	23036EK	H3036	GS36
300		180	520	140	36	46	270	630	250	55	355	106	96	M30	M24	94	SD3136	SD3136G	23136EK	H3136	GS36	81
320		190	540	150	36	46	280	650	260	60	380	96	86	M30	M24	110	SD536	SD536G	22236EK	H3136	GS36	76
380		225	640	180	43	59	320	780	310	70	450	136	126	M36	M30	195	SD636	SD636G	22336EK	H2336	GS36	96
170		290	170	470	120	36	46	250	560	220	50	340	85	75	M30	M24	87	SD3038	SD3038G	23038EK	H3038	GS38
	320	190	560	140	36	46	290	680	270	55	385	114	104	M30	M24	110	SD3138	SD3138G	23138EK	H3138	GS38	86
	340	200	570	160	36	46	290	700	280	65	400	102	92	M30	M30	130	SD538	SD538G	22238EK	H3138	GS38	80
	400	240	680	190	43	59	330	820	320	70	475	142	132	M36	M30	210	SD638	SD638G	22338EK	H2338	GS38	100
	180	310	180	510	140	36	46	270	620	250	60	360	92	82	M30	M24	100	SD3040	SD3040G	23040EK	H3040	GS40
340		200	570	160	36	46	310	700	280	65	400	122	112	M30	M30	130	SD3140	SD3140G	23140EK	H3140	GS40	91
360		210	610	170	36	46	300	740	290	65	420	108	98	M30	M30	155	SD540	SD540G	22240EK	H3140	GS40	84
420		250	710	200	43	59	350	860	340	85	500	148	138	M36	M36	240	SD640	SD640G	22340EK	H2340	GS40	104
200		340	200	570	160	36	46	290	700	280	65	400	100	90	M30	M30	130	SD3044	SD3044G	23044EK	H3044	GS44
	370	225	640	180	43	59	320	780	310	70	445	130	120	M36	M30	180	SD3144	SD3144G	23144EK	H3144	GS44	96
	400	240	680	190	43	59	330	820	320	70	475	118	108	M36	M30	205	SD544	SD544G	22244EK	H3144	GS44	90
	460	280	770	210	43	59	360	920	350	85	550	155	145	M36	M36	315	SD644	SD644G	22344EK	H2344	GS44	109
	220	360	210	610	170	36	46	300	740	290	65	420	102	92	M30	M30	160	SD3048	SD3048G	23048EK	H3048	GS48
400		240	680	190	43	59	330	820	320	70	475	138	128	M36	M30	210	SD3148	SD3148G	23148EK	H3148	GS48	102
440		260	740	200	43	59	340	880	330	85	515	130	120	M36	M36	240	SD548	SD548G	22248EK	H3148	GS48	98
500		300	830	230	50	67	390	990	380	100	590	165	155	M42	M36	405	SD648	SD648G	22348EK	H2348	GS48	116
240		400	240	680	190	43	59	340	820	320	70	475	114	104	M36	M30	210	SD3052	SD3052G	23052EK	H3052	GS52
	440	260	740	200	43	59	360	880	350	85	515	154	144	M36	M36	240	SD3152	SD3152G	23152EK	H3152	GS52	112
	480	280	790	210	43	59	370	940	360	85	560	140	130	M36	M36	315	SD552	SD552G	22252EK	H3152	GS52	105
	540	325	890	250	50	67	410	1060	400	100	640	175	165	M42	M36	480	SD652	SD652G	22352EK	H2352	GS52	123

Remarks: 1. Plummer block housings are housings with oil seals, a plug and a grease nipple only.
To make a complete unit, please order the corresponding bearing, adapter sleeve and locating rings shown in the table additionally.
2. Dimension Ca is for the free side housings and dimension Cb for the fixed side housings. (Locating rings are not required in the fixed side housings.)
3. The masses in the table do not include the bearing and adapter sleeve but the bolts.
4. H8, H13 and h13 in the table means tolerance classes specified in JIS B 0401.
5. The thread for a grease nipple is PT1/4, and the threads for tow drain plugs are PT3/8.

6. Plummer block housings listed in the above table are provided with eye bolts.
7. Designations of shaft end type housings have suffix "E" at the end.
8. The dimension Y indicates the distance from the bearing center to the outer side face of the nut.

Plummer Block Housings
SD5, SD6, SD30, SD31 Series
for Bearing with Adapter Sleeve
 Shaft Diameter: 260~300mm

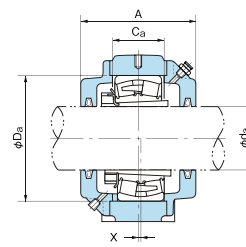
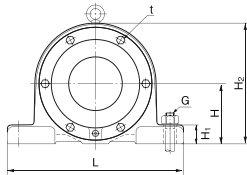
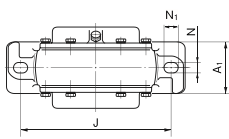


Shaft dia. da (mm)	Dimensions (mm)															Mass (kg) (Reference)	Designations		Applicable parts			Y (Reference)
	Da (H8)	H (h13)	J	J1	N	N1	A	L	A1	H1	H2	Ca (H13)	Cb (H13)	G (Nominal)	t (Nominal) (Reference)		Free side	Fixed side	Spherical roller bearings	Adapter sleeve	Oil seal	
260	420	250	710	200	43	59	350	860	340	85	500	116	106	M36	M36	240	SD3056	SD3056G	23056EK	H3056	GS56	95
	460	280	770	210	43	59	360	920	350	85	550	156	146	M36	M36	315	SD3156	SD3156G	23156EK	H3156	GS56	115
	500	300	830	230	50	67	390	990	380	100	590	140	130	M42	M36	390	SD556	SD556G	22256EK	H3156	GS56	107
	580	355	930	270	57	77	440	1110	430	110	690	185	175	M48	M42	610	SD656	SD656G	22356EK	H2356	GS56	130
280	460	280	770	210	43	59	360	920	350	85	550	128	118	M36	M36	300	SD3060	SD3060G	23060EK	H3060	GS60	105
	500	300	830	230	50	67	390	990	380	100	590	170	160	M42	M36	405	SD3160	SD3160G	23160EK	H3160	GS60	124
	540	325	890	250	50	67	410	1060	400	100	640	150	140	M42	M36	465	SD560	SD560G	22260EK	H3160	GS60	114
	480	280	790	210	43	59	380	940	360	85	560	131	121	M36	M36	320	SD3064	SD3064G	23064EK	H3064	GS64	108
300	540	325	890	250	50	67	430	1060	400	100	640	186	176	M42	M36	480	SD3164	SD3164G	23164EK	H3164	GS64	135
	580	355	930	270	57	77	440	1110	430	110	690	160	150	M48	M42	595	SD564	SD564G	22264EK	H3164	GS64	122

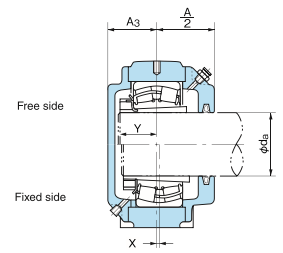
- Remarks: 1. Plummer block housings are housings with oil seals, a plug and a grease nipple only.
 To make a complete unit, please order the corresponding bearing, adapter sleeve and locating rings shown in the table additionally.
 2. Dimension Ca is for the free side housings and dimension Cb for the fixed side housings. (Locating rings are not required in the fixed side housings.)
 3. The masses in the table do not include the bearing and adapter sleeve but the bolts.
 4. H8, H13 and h13 in the table means tolerance classes specified in JIS B 0401.
 5. The thread for a grease nipple is PT1/4, and the threads for tow drain plugs are PT3/8.

6. Plummer block housings listed in the above table are provided with eye bolts.
 7. Designations of shaft end type housings have suffix "E" at the end.
 8. The dimension Y indicates the distance from the bearing center to the outer side face of the nut.

One piece type Plummer Block Housings
V Series
for Bearing with Adapter Sleeve
 Shaft Diameter: 30~60mm



Through Shaft Type



Free side

Fixed side

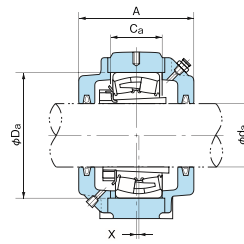
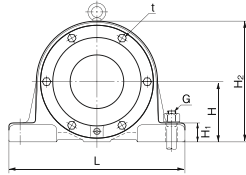
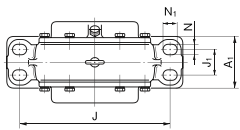
Shaft End Type

Shaft dia. da (mm)	Dimensions (mm)														Mass (kg) (Reference)	Designations		Applicable parts						
	D _a (H7)	H (h11)	J	N	N ₁	A	L	A ₁	A ₃	H ₁	H ₂	C _a	G (Nominal)	l (Nominal) (Reference)		Through Shaft Type	Shaft End Type	Self-aligning ball bearings	Spherical roller bearings	Adapter sleeve	Oil seal	Locating ring		Y (Reference)
																							Designations	Q ty
30	80	60	170	16	20	95	205	60	40.5	25	118	37	M14	M6	4.8	V080C30-30	V080C30-0	1307K 2307K	21307EK —	H307X H2307X	GS 7	SR80 × 8 SR80 × 6	2 1	21 26
	80	60	170	16	20	95	205	60	40.5	25	118	37	M14	M6	4.3	V080C35-35	V080C35-0	1208K 2208K	— 22208EXK	H208X H308X	GS 8	SR80 × 9.5 SR80 × 7	2 2	21 23
35	90	67	170	16	20	100	205	60	42.5	25	128	39	M14	M6	5.1	V090C35-35	V090C35-0	1308K 2308K	21308EK 22308EXK	H308X H2308X	GS 8	SR90 × 8 SR90 × 6	2 1	23 28
	85	63	170	16	20	98	205	60	42.5	25	125	39	M14	M6	4.7	V085C40-40	V085C40-0	1209K 2209K	— 22209EXK	H209X H309X	GS 9	SR85 × 10 SR85 × 8	2 2	22 24
40	100	71	210	16	23	106	255	70	47	28	140	42	M14	M6	6.9	V100C40-40	V100C40-0	1309K 2309K	21309EK 22309EXK	H309X H2309X	GS 9	SR100 × 9.5 SR100 × 6	2 1	25 31
	90	67	170	16	20	100	205	60	42.5	25	128	39	M14	M6	4.6	V090C45-45	V090C45-0	1210K 2210K	— 22210EXK	H210X H310X	GS10	SR90 × 9.5 SR90 × 8	2 2	24 25
45	110	80	210	21	25	112	255	70	47	30	155	46	M18	M6	8.9	V110C45-45	V110C45-0	1310K 2310K	21310EK 22310EXK	H310X H2310X	GS10	SR110 × 9.5 SR110 × 6	2 1	27 34
	100	71	210	16	23	106	255	70	47	28	140	42	M14	M6	6.4	V100C50-50	V100C50-0	1211K 2211K	— 22211EXK	H211X H311X	GS11	SR100 × 10.5 SR100 × 8.5	2 2	25 27
50	120	85	230	21	25	118	275	80	50	30	165	49	M18	M6	11	V120C50-50	V120C50-0	1311K 2311K	21311EK 22311EXK	H311X H2311X	GS11	SR120 × 10 SR120 × 6	2 1	29 36
	110	80	210	21	25	112	255	70	47	30	155	46	M18	M6	8.0	V110C55-55	V110C55-0	1212K 2212K	— 22212EXK	H212X H312X	GS12	SR110 × 12 SR110 × 9	2 2	26 29
55	130	90	230	21	25	118	280	80	50	30	175	50	M18	M6	12	V130C55-55	V130C55-0	1312K 2312K	21312EK 22312EXK	H312X H2312X	GS12	SR130 × 9.5 SR130 × 4	2 1	31 39
	120	85	230	21	25	118	275	80	50	30	165	49	M18	M6	10	V120C60-60	V120C60-0	1213K 2213K	— 22213EXK	H213X H313X	GS13	SR120 × 13 SR120 × 9	2 2	28 32
60	125	90	230	21	25	118	280	80	50	30	175	50	M18	M6	11	V125C60-60	V125C60-0	—	22214EXK	H314X	GS13	SR125 × 9.5	2	32
	140	100	260	25	30	136	315	90	58	32	195	56	M22	M8	18	V140C60-60	V140C60-0	1313K 2313K	21313EK 22313EXK	H313X H2313X	GS13	SR140 × 11.5 SR140 × 8	2 1	33 40
60	150	100	260	25	30	140	315	90	60	32	195	56	M22	M8	16	V150C60-60	V150C60-0	—	21314EK 22314EXK	H314X H2314X	GS13	SR150 × 10.5 SR150 × 5	2 1	34 42

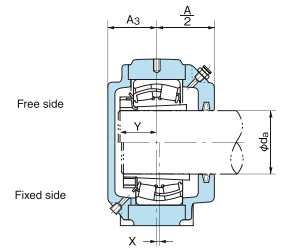
Remarks: 1. Plummer block housings are housings with oil seals, a plug and a grease nipple only. To make a complete unit, please order the corresponding bearing, adapter sleeve and locating rings shown in the table additionally.
 2. The masses in the table do not include the bearing, adapter sleeve and locating rings.
 3. H7 and h11 in the table means tolerance classes specified in JIS B 0401.
 4. The tolerance of locating ring O.D. is h12, and 0 ~ -0.2 for the width.

5. Plummer block housings V180 and larger are provided with eye bolts.
 6. The threads for plugs and grease nipples are PT1/8 for V170 and smaller, and PT1/4 for V180 and larger.
 7. When one locating ring is used for fixed-end, the offset (X dimension) of bearing center from the center of the housing is a half of the locating ring width.
 8. ZF type oil seals are also available instead of GS type seals.
 9. The dimension Y indicates the distance from the bearing center to the outer side face of the nut.

One piece type Plummer Block Housings
V Series
for Bearing with Adapter Sleeve
 Shaft dia.: 65~90mm



Through Shaft Type



Free side

Fixed side

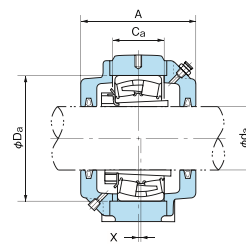
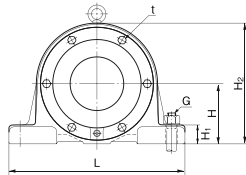
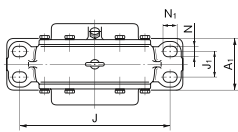
Shaft End Type

Shaft dia. da (mm)	Dimensions (mm)															Mass (kg) (Reference)	Designations		Applicable parts						
	Da (H7)	H (h11)	J	J1	N	N1	A	L	A1	A3	H1	H2	Ca	G (Nominal)	t (Nominal) (Reference)		Through Shaft Type	Shaft End Type	Self-aligning ball bearings	Spherical roller bearings	Adapter sleeve	Oil seal	Locating ring		Y (Reference)
																							Designations	Qty	
65	130	90	230	—	21	25	118	280	80	50	30	175	50	M18	M 6	11	V130C65-65	V130C65-0	1215K	—	H215X	GS15	SR130 x 12.5	2	30
	160	112	290	—	25	30	150	345	100	65	35	224	62	M22	M 8	24	V160C65-65	V160C65-0	2215K	22215EXK	H315X	GS15	SR130 x 9.5	2	33
																			1315K	21315EK	H315X		SR160 x 12.5	2	36
70	140	100	260	—	25	30	136	315	90	58	32	195	56	M22	M 8	17	V140C70-70	V140C70-0	2315K	22315EXK	H2315X	GS16	SR160 x 7	1	45
																			1216K	—	H216X		SR140 x 15	2	32
	170	112	290	—	25	30	165	345	100	72.5	35	224	62	M22	M 8	22	V170C70-70	V170C70-0	2216K	22216EXK	H316X	GS16	SR140 x 11.5	2	36
75	150	100	260	—	25	30	140	315	90	60	32	195	56	M22	M 8	16	V150C75-75	V150C75-0	1316K	21316EK	H316X	GS16	SR170 x 11.5	2	39
																			2316K	22316EXK	H2316X		SR170 x 4	1	48
	180	125	320	56	23	32	170	380	110	75	40	243	70	M20	M 8	29	V180C75-75	V180C75-0	1217K	—	H217X	GS17	SR150 x 14	2	34
80	160	112	290	—	25	30	150	345	100	65	35	224	62	M22	M 8	24	V160C80-80	V160C80-0	2217K	22217EXK	H317X	GS17	SR180 x 10	2	38
																			1317K	21317EK	H317X		SR180 x 14.5	2	41
	190	125	320	56	23	32	170	380	110	75	40	243	70	M20	M 8	26	V190C80-80	V190C80-0	2317K	22317EXK	H2317X	GS17	SR180 x 10	1	50
85	170	112	290	—	25	30	165	345	100	72.5	35	224	62	M22	M 8	22	V170C85-85	V170C85-0	1218K	—	H218X	GS18	SR160 x 16	2	35
																			2218K	22218EXK	H318X		SR160 x 11	2	40
	200	132	350	60	23	32	190	410	120	82	45	265	82	M20	M10	40	V200C85-85	V200C85-0	1318K	21318EK	H318X	GS18	SR190 x 13.5	2	42
90	180	125	320	56	23	32	170	380	110	75	40	243	70	M20	M 8	28	V180C90-90	V180C90-0	2318K	22318EXK	H2318X	GS19	SR190 x 6	1	52
																			1219K	—	H219X		SR170 x 15	2	37
	215	140	350	60	23	32	190	410	120	82	45	280	82	M20	M10	42	V215C90-90	V215C90-0	2219K	22219EXK	H319X	GS19	SR170 x 9.5	2	43
90	180	125	320	56	23	32	170	380	110	75	40	243	70	M20	M 8	28	V180C90-90	V180C90-0	1319K	21319EK	H319X	GS19	SR200 x 18.5	2	44
																			2319K	22319EXK	H2319X		SR200 x 15	1	55
	220K	—	H220X	GS20	SR180 x 18	2	39																		
1320K	22220EXK	H320X	GS20	SR180 x 12	2	45																			
2320K	22320EXK	H2320X		SR215 x 17.5	2	46																			

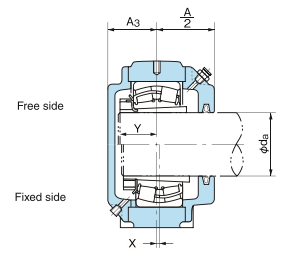
Remarks: 1. Plummer block housings are housings with oil seals, a plug and a grease nipple only. To make a complete unit, please order the corresponding bearing, adapter sleeve and locating rings shown in the table additionally.
 2. The masses in the table do not include the bearing, adapter sleeve and locating rings.
 3. H7 and h11 in the table means tolerance classes specified in JIS B 0401.
 4. The tolerance of locating ring O.D. is h12, and 0 ~ -0.2 for the width.

5. Plummer block housings V180 and larger are provided with eye bolts.
 6. The threads for plugs and grease nipples are PT1/8 for V170 and smaller, and PT1/4 for V180 and larger.
 7. When one locating ring is used for fixed-end, the offset (X dimension) of bearing center from the center of the housing is a half of the locating ring width.
 8. ZF type oil seals are also available instead of GS type seals.
 9. The dimension Y indicates the distance from the bearing center to the outer side face of the nut.

One piece type Plummer Block Housings
V Series
 for Bearing with Adapter Sleeve
 Shaft Diameter: 100~135mm



Through Shaft Type



Free side

Fixed side

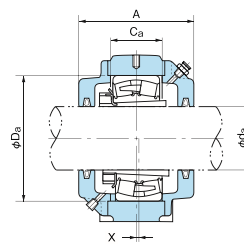
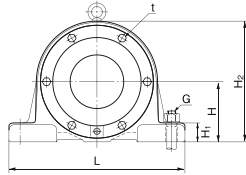
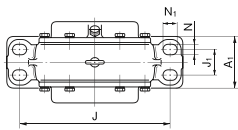
Shaft End Type

Shaft dia. da (mm)	Dimensions (mm)															Mass (kg) (Reference)	Designations		Applicable parts						
	Da (H7)	H (h11)	J	J1	N	N1	A	L	A1	A3	H1	H2	Ca	G (Nominal)	t (Nominal) (Reference)		Through Shaft Type	Shaft End Type	Self-aligning ball bearings	Spherical roller bearings	Adapter sleeve	Oil seal	Locating ring		Y (Reference)
																							Designations	Qty	
100	170	112	290	—	25	30	165	345	100	72.5	35	224	62	M22	M 8	20	V170C100-100	V170C100-0	—	23022EK	H322X	GS22	SR170 x 8.5	2	46
	180	125	320	56	23	32	170	380	110	75	40	243	70	M20	M 8	26	V180C100-100	V180C100-0	—	23122EK	H3122X	GS22	SR180 x 14	1	51
	200	132	350	60	23	32	190	410	120	82	45	265	82	M20	M10	39	V200C100-100	V200C100-0	1222K 2222K	— 22222EXX	H222X H322X	GS22	SR200 x 22	2	42
	240	160	390	80	23	32	218	470	150	96	50	315	96	M20	M10	60	V240C100-100	V240C100-0	— 1322K 2322K	— 21322EK 23222EXX	H222X H322X H322X	GS22	SR200 x 14.5 SR200 x 12.2 SR240 x 23 SR240 x 16	2 1 2 1	50 58 48 63
110	180	125	320	56	23	32	170	380	110	75	40	243	70	M20	M 8	25	V180C110-110	V180C110-0	—	23024EK	H3024X	GS24	SR180 x 12	2	47
	200	132	350	60	23	32	190	410	120	82	45	265	82	M20	M10	39	V200C110-110	V200C110-0	—	23124EK	H3124X	GS24	SR200 x 20	1	55
	215	140	350	60	23	32	190	410	120	82	45	280	82	M20	M10	41	V215C110-110	V215C110-0	—	22224EXX	H3124X	GS24	SR215 x 12	2	53
	230	150	380	65	23	32	200	450	130	87	50	300	86	M20	M10	50	V230C110-110	V230C110-0	—	23224EK	H2324X	GS24	SR215 x 6 SR260 x 17	1 1	62 67
115	260	170	450	92	29	42	236	540	160	105	60	335	103	M24	M10	72	V260C110-110	V260C110-0	—	23224EK	H2324X	GS24	SR260 x 17	1	67
	200	132	350	60	23	32	190	410	120	82	45	265	82	M20	M10	38	V200C115-115	V200C115-0	—	23026EK	H3026	GS26	SR200 x 15	2	51
	210	140	350	60	23	32	190	410	120	82	45	280	82	M20	M10	42	V210C115-115	V210C115-0	—	23126EK	H3126	GS26	SR210 x 18	1	57
	230	150	380	65	23	32	200	450	130	87	50	300	86	M20	M10	50	V230C115-115	V230C115-0	—	22226EXX — 23226EK	H3126 H2326 H2326	GS26	SR230 x 11 SR230 x 6 SR280 x 15	2 1 1	57 65 72
125	210	140	350	60	23	32	190	410	120	82	45	280	82	M20	M10	40	V210C125-125	V210C125-0	—	23028EK	H3028	GS28	SR210 x 14.5	2	53
	225	150	380	65	23	32	200	450	130	87	50	300	86	M20	M10	50	V225C125-125	V225C125-0	—	23128EK	H3128	GS28	SR225 x 18	1	60
	250	160	420	80	23	32	218	500	150	96	50	315	94	M20	M10	54	V250C125-125	V250C125-0	—	22228EXX — 23228EK	H3128 H2328 H2328	GS28	SR250 x 13 SR250 x 6 SR280 x 15	2 1 1	60 70 77
	300	190	520	92	29	50	250	610	170	112	65	375	113	M24	M12	97	V300C125-125	V300C125-0	—	23228EK	H2328	GS28	SR300 x 11	1	77
135	225	150	380	65	23	32	200	450	130	87	50	300	86	M20	M10	50	V225C135-135	V225C135-0	—	23030EK	H3030	GS30	SR225 x 15	2	56
	250	160	420	80	23	32	218	500	150	96	50	315	94	M20	M10	52	V250C135-135	V250C135-0	—	23130EK	H3130	GS30	SR250 x 14	1	68
	270	170	450	92	29	42	236	540	160	105	60	335	103	M24	M10	64	V270C135-135	V270C135-0	—	22230EK — 23230EK	H2330 H2330 H2330	GS30	SR270 x 15 SR270 x 7 SR320 x 14	2 1 1	65 76 82
	320	200	560	92	29	50	258	660	180	116	65	405	122	M24	M12	128	V320C135-135	V320C135-0	—	22330EK	H2330	GS30	SR320 x 14	1	82

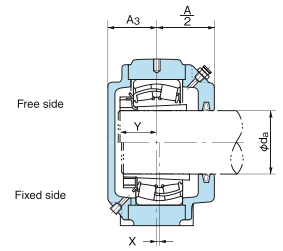
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 5. The tolerance of locating ring O.D. is h12, and 0 ~ -0.2 for the width.

5. Plummer block housings V180 and larger are provided with eye bolts.
 6. The threads for plugs and grease nipples are PT1/8 for V170 and smaller, and PT1/4 for V180 and larger.
 7. When one locating ring is used for fixed-end, the offset (X dimension) of bearing center from the center of the housing is a half of the locating ring width.
 8. ZF type oil seals are also available instead of GS type seals.
 9. The dimension Y indicates the distance from the bearing center to the outer side face of the nut.

One piece type Plummer Block Housings
V Series
 for Bearing with Adapter Sleeve
 Shaft Diameter: 140~200mm



Through Shaft Type



Free side

Fixed side

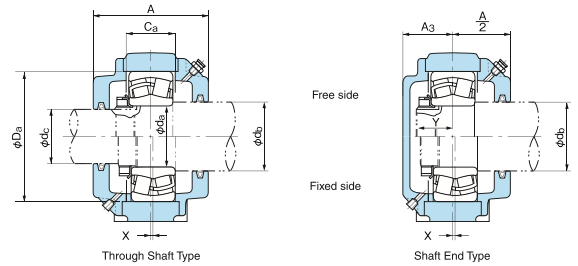
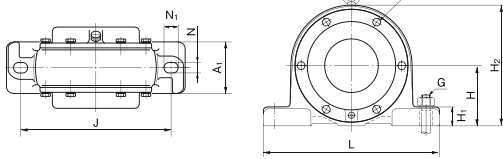
Shaft End Type

Shaft dia. da (mm)	Dimensions (mm)															Mass (kg) (Reference)	Designations		Applicable parts					
	D _a (H7)	H (h11)	J	J ₁	N	N ₁	A	L	A ₁	A ₃	H ₁	H ₂	C _a	G (Nominal)	l (Nominal)		Through Shaft Type	Shaft End Type	Spherical roller bearings	Adapter sleeve	Oil seal	Locating ring		Y (Reference)
																							Designations	Q'ty
140	240	160	390	80	23	32	218	470	150	96	50	315	96	M20	M10	57	V240C140-140	V240C140-0	23032EK	H3032	GS32	SR240 × 18	2	61
	270	170	450	92	29	42	236	540	160	105	60	335	103	M24	M10	60	V270C140-140	V270C140-0	23132EK	H3132	GS32	SR270 × 17	1	74
	290	190	470	92	29	50	250	560	170	112	60	375	113	M24	M12	100	V290C140-140	V290C140-0	22232EK	H3132	GS32	SR290 × 16.5	2	71
150																	V290C140-140	V290C140-0	23232EK	H2332		SR290 × 9	1	83
	340	212	580	104	33	54	300	680	190	137	65	425	130	M27	M12	143	V340C140-140	V340C140-0	22332EK	H2332	GS32	SR340 × 16	1	88
	260	170	450	92	29	42	236	540	160	105	60	335	103	M24	M10	69	V260C150-150	V260C150-0	23034EK	H3034	GS34	SR260 × 18	2	66
	280	180	470	92	29	42	243	560	160	108.5	60	355	108	M24	M10	80	V280C150-150	V280C150-0	23134EK	H3134	GS34	SR280 × 20	1	76
160	310	200	560	92	29	50	258	660	180	116	65	405	122	M24	M12	120	V310C150-150	V310C150-0	22234EK	H3134	GS34	SR310 × 18	2	75
																	V310C150-150	V310C150-0	23234EK	H2334		SR310 × 12	1	87
	280	180	470	92	29	42	243	560	160	108.5	60	355	108	M24	M10	79	V280C160-160	V280C160-0	23036EK	H3036	GS36	SR280 × 17	2	70
170	300	190	520	92	29	50	250	610	170	112	65	375	113	M24	M12	95	V300C160-160	V300C160-0	23136EK	H3136	GS36	SR300 × 17	1	81
	320	200	560	92	29	50	258	660	180	116	65	405	122	M24	M12	115	V320C160-160	V320C160-0	22236EK	H3136	GS36	SR320 × 18	2	76
																	V320C160-160	V320C160-0	23236EK	H2336		SR320 × 10	1	89
180	290	190	470	92	29	50	250	560	170	112	60	375	113	M24	M12	94	V290C170-170	V290C170-0	23038EK	H3038	GS38	SR290 × 19	2	72
	320	200	560	92	29	50	258	660	180	116	65	405	122	M24	M12	124	V320C170-170	V320C170-0	23138EK	H3138	GS38	SR320 × 18	1	86
	340	212	580	104	33	54	300	680	190	137	65	425	130	M27	M12	140	V340C170-170	V340C170-0	22238EK	H3138	GS38	SR340 × 19	2	80
200																	V340C170-170	V340C170-0	23238EK	H2338		SR340 × 10	1	94
	310	200	560	92	29	50	258	660	180	116	65	405	122	M24	M12	117	V310C180-180	V310C180-0	23040EK	H3040	GS40	SR310 × 20	2	76
	340	212	580	104	33	54	300	680	190	137	65	425	130	M27	M12	138	V340C180-180	V340C180-0	23140EK	H3140	GS40	SR340 × 18	1	91
																	V340C200-200	V340C200-0	23044EK	H3044	GS44	SR340 × 20	2	79

Remarks: 1. Plummer block housings are housings with oil seals, a plug and a grease nipple only.
 To make a complete unit, please order the corresponding bearing, adapter sleeve and locating rings shown in the table additionally.
 2. The masses in the table do not include the bearing, adapter sleeve and locating rings.
 3. H7 and h11 in the table means tolerance classes specified in JIS B 0401.
 4. The tolerance of locating ring O.D. is h12, and 0 - -0.2 for the width.

5. Plummer block housings V180 and larger are provided with eye bolts.
 6. The threads for plugs and grease nipples are PT1/8 for V170 and smaller, and PT1/4 for V180 and larger.
 7. When one locating ring is used for fixed-end, the offset (X dimension) of bearing center from the center of the housing is a half of the locating ring width.
 8. ZF type oil seals are also available instead of GS type seals.
 9. The dimension Y indicates the distance from the bearing center to the outer side face of the nut.

One piece type Plummer Block Housings
V Series
 for Bearing with Cylindrical Bore
 Shaft Diameter: 35~70mm

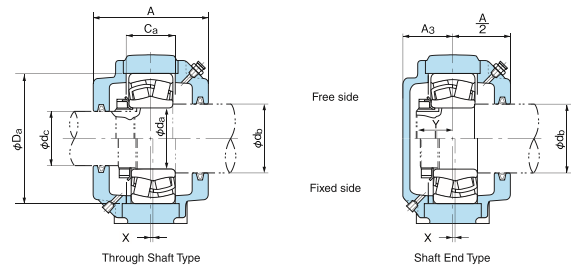
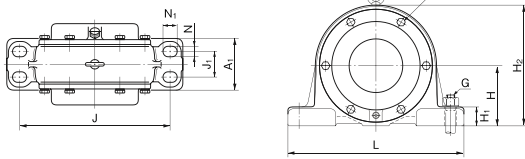


Shaft dia. (mm)		Dimensions (mm)														Mass (kg) (Reference)	Designations		Applicable parts							Y (Reference)		
ds	db	dc	Da (H7)	H (h11)	J	N	N1	A	L	A1	A3	H1	H2	Ca	G (Nominal) (Reference)		t (Nominal) (Reference)	Through Shaft Type	Shaft End Type	Self-aligning ball bearings	Spherical roller bearings	Nut	Locking washer	Oil seal db side	dc side		Locating ring	
																									Designations	Q'ty		
35	45	30	80	60	170	16	20	95	205	60	40.5	25	118	37	M14	M6	4.5	V080C45-30	V080C45-0	1307 2307	21307E —	AN07	AW07X	GS10	GS 7	SR80×8 SR80×6	2 1	21 26
			80	60	170	16	20	95	205	60	40.5	25	118	37	M14	M6	4.0	V080C50-35	V080C50-0	1208 2208	— 22208EX	AN08	AW08X	GS11	GS 8	SR80×9.5 SR80×7	2 2	21 23
40	50	35	90	67	170	16	20	100	205	60	42.5	25	128	39	M14	M6	4.8	V090C50-35	V090C50-0	1308 2308	21308E 22308EX	AN08	AW08X	GS11	GS 8	SR90×8 SR90×6	2 1	23 28
			85	63	170	16	20	98	205	60	42.5	25	125	39	M14	M6	4.5	V085C55-40	V085C55-0	1209 2209	— 22209EX	AN09	AW09X	GS12	GS 9	SR85×10 SR85×8	2 2	22 24
45	55	40	100	71	210	16	23	106	255	70	47	28	140	42	M14	M6	6.4	V100C55-40	V100C55-0	1309 2309	21309E 22309EX	AN09	AW09X	GS12	GS 9	SR100×8.5 SR100×6	2 1	25 31
			90	67	170	16	20	100	205	60	42.5	25	128	39	M14	M6	4.3	V090C60-45	V090C60-0	1210 2210	— 22210EX	AN10	AW10X	GS13	GS10	SR90×9.5 SR90×8	2 2	24 25
50	60	45	110	80	210	21	25	112	255	70	47	30	155	46	M18	M6	7.8	V110C60-45	V110C60-0	1310 2310	21310E 22310EX	AN10	AW10X	GS13	GS10	SR110×9.5 SR110×6	2 1	27 34
			100	71	210	16	23	106	255	70	47	28	140	42	M14	M6	6.0	V100C65-50	V100C65-0	1211 2211	— 22211EX	AN11	AW11X	GS15	GS11	SR100×10.5 SR100×8.5	2 2	25 27
55	65	50	120	85	230	21	25	118	275	80	50	30	165	49	M18	M6	10	V120C65-50	V120C65-0	1311 2311	21311E 22311EX	AN11	AW11X	GS15	GS11	SR120×10 SR120×6	2 1	29 36
			110	80	210	21	25	112	255	70	47	30	155	46	M18	M6	7.6	V110C70-55	V110C70-0	1212 2212	— 22212EX	AN12	AW12X	GS16	GS12	SR110×12 SR110×9	2 2	26 29
60	70(1)	55	130	90	230	21	25	118	280	80	50	30	175	50	M18	M6	11	V130C70-55	V130C70-0	1312 2312	21312E 22312EX	AN12	AW12X	GS16	GS12	SR130×9.5 SR130×4	2 1	31 39
			120	85	230	21	25	118	275	80	50	30	165	49	M18	M6	9.6	V120C75-60	V120C75-0	1213 2213	— 22213EX	AN13	AW13X	GS17	GS13	SR120×13 SR120×9	2 2	28 32
65	75(1)	60	140	100	260	25	30	136	315	90	58	32	195	56	M22	M8	17	V140C75-60	V140C75-0	1313 2313	21313E 22313EX	AN13	AW13X	GS17	GS13	SR140×11.5 SR140×8	2 1	33 40
			125	90	230	21	25	118	280	80	50	30	175	50	M18	M6	10	V125C80-60	V125C80-0	1214 2214	— 22214EX	AN14	AW14X	GS18	GS13	SR125×13 SR125×9.5	2 2	28 32
70	80(1)	60	150	100	260	25	30	140	315	90	60	32	195	56	M22	M8	16	V150C80-60	V150C80-0	1314 2314	21314E 22314EX	AN14	AW14X	GS18	GS13	SR150×10.5 SR150×5	2 1	34 42

Note: (1) When heavy axial load is applied, a spacer with large O.D. and small inner chamfer must be used between the bearing and shaft shoulder to obtain a sufficient contact area.
 Remarks: 1. Plummer block housings are housings with oil seals, a plug and a grease nipple only.
 To make a complete unit, please order the corresponding bearing, nuts and locating rings shown in the table additionally.
 2. The masses in the table do not include the bearing, nuts and locating rings.
 3. H7 and h11 in the table means tolerance classes specified in JIS B 0401.
 4. The tolerance of locating ring O.D. is h12, and 0 ~ -0.2 for the width.

5. Plummer block housings V180 and larger are provided with eye bolts.
 6. The threads for plugs and grease nipples are PT1/8 for V170 and smaller, and PT1/4 for V180 and larger.
 7. When one locating ring is used for fixed-end, the offset (X dimension) of bearing center from the center of the housing is a half of the locating ring width.
 8. ZF type oil seals are also available instead of GS type seals.
 9. The dimension Y indicates the distance from the bearing center to the outer side face of the nut.

One piece type Plummer Block Housings
V Series
 for Bearing with Cylindrical Bore
 Shaft Diameter: 75~100mm

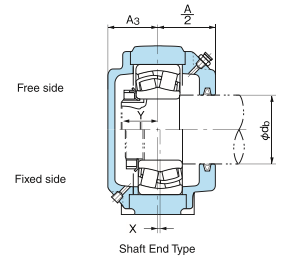
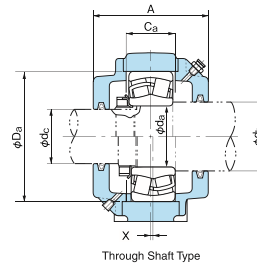
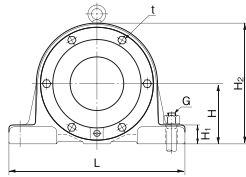
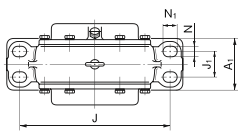


Shaft dia. (mm)		Dimensions (mm)																Mass (kg)	Designations		Applicable parts									
da	db	dc	D _a (H7)	H (h11)	J	J ₁	N	N ₁	A	L	A ₁	A ₂	H ₁	H ₂	Ca	G (Nominal)	l (Nominal)	(Reference)	Reference	Through Shaft Type	Shaft End Type	Self-aligning ball bearings	Spherical roller bearings	Nut	Locking washer	Oil seal		Locating ring		Y (Reference)
																										db side	dc side	Designations	Q'ty	
75	85	65	130	90	230	—	21	25	118	280	80	50	30	175	50	M18	M	6	10	V130C85-65	V130C85-0	1215	—	AN15	AW15X	GS19	GS15	SR130×12.5	2	30
	85(*)	65	160	112	290	—	25	30	150	345	100	65	35	224	62	M22	M	8	23	V160C85-65	V160C85-0	2215	22215EX	AN15	AW15X	GS19	GS15	SR130×9.5	2	33
																				1315	21315E	AN15	AW15X	GS19	GS15	SR160×12.5	2	36		
																						2315	22315EX	AN15	AW15X	GS19	GS15	SR160×7	1	45
80	90	70	140	100	260	—	25	30	136	315	90	58	32	195	56	M22	M	8	17	V140C90-70	V140C90-0	1216	—	AN16	AW16X	GS20	GS16	SR140×15	2	32
	90(*)	70	170	112	290	—	25	30	165	345	100	72.5	35	224	62	M22	M	8	21	V170C90-70	V170C90-0	2216	22216EX	AN16	AW16X	GS20	GS16	SR140×11.5	2	36
																				1316	21316E	AN16	AW16X	GS20	GS16	SR170×11.5	2	39		
																						2316	22316EX	AN16	AW16X	GS20	GS16	SR170×4	1	48
85	95	75	150	100	260	—	25	30	140	315	90	60	32	195	56	M22	M	8	15	V150C95-75	V150C95-0	1217	—	AN17	AW17X	GS21	GS17	SR150×14	2	34
	95(*)	75	180	125	320	56	23	32	170	380	110	75	40	243	70	M20	M	8	28	V180C95-75	V180C95-0	2217	22217EX	AN17	AW17X	GS21	GS17	SR150×10	2	38
																				1317	21317E	AN17	AW17X	GS21	GS17	SR180×14.5	2	41		
																						2317	22317EX	AN17	AW17X	GS21	GS17	SR180×10	1	50
90	100	80	160	112	290	—	25	30	150	345	100	65	35	224	62	M22	M	8	23	V160C100-80	V160C100-0	1218	—	AN18	AW18X	GS22	GS18	SR160×16	2	35
	100(*)	80	190	125	320	56	23	32	170	380	110	75	40	243	70	M20	M	8	25	V190C100-80	V190C100-0	2218	22218EX	AN18	AW18X	GS22	GS18	SR160×11	2	40
																				1318	21318E	AN18	AW18X	GS22	GS18	SR190×13.5	2	42		
																						2318	22318EX	AN18	AW18X	GS22	GS18	SR190×6	1	52
95	110	85	170	112	290	—	25	30	165	345	100	72.5	35	224	62	M22	M	8	21	V170C110-85	V170C110-0	1219	—	AN19	AW19X	GS24	GS19	SR170×15	2	37
			200	132	350	60	23	32	190	410	120	82	45	265	82	M20	M	10	39	V200C110-85	V200C110-0	2219	22219EX	AN19	AW19X	GS24	GS19	SR170×9.5	2	43
																				1319	21319E	AN19	AW19X	GS24	GS19	SR200×18.5	2	44		
																						2319	22319EX	AN19	AW19X	GS24	GS19	SR200×15	1	55
100	115	90	180	125	320	56	23	32	170	380	110	75	40	243	70	M20	M	8	27	V180C115-90	V180C115-0	1220	—	AN20	AW20X	GS26	GS20	SR180×18	2	39
			215	140	350	60	23	32	190	410	120	82	45	280	82	M20	M	10	40	V215C115-90	V215C115-0	2220	22220EX	AN20	AW20X	GS26	GS20	SR180×12	2	45
																				1320	21320E	AN20	AW20X	GS26	GS20	SR215×17.5	2	46		
																						2320	22320EX	AN20	AW20X	GS26	GS20	SR215×9	1	59

Note: (*) When heavy axial load is applied, a spacer with large O.D. and small inner chamfer must be used between the bearing and shaft shoulder to obtain a sufficient contact area.
 Remarks: 1. Plummer block housings are housings with oil seals, a plug and a grease nipple only.
 To make a complete unit, please order the corresponding bearing, nuts and locating rings shown in the table additionally.
 2. The masses in the table do not include the bearing, nuts and locating rings.
 3. H7 and h11 in the table means tolerance classes specified in JIS B 0401.
 4. The tolerance of locating ring O.D. is h12, and 0 ~ -0.2 for the width.

5. Plummer block housings V180 and larger are provided with eye bolts.
 6. The threads for plugs and grease nipples are PT1/8 for V170 and smaller, and PT1/4 for V180 and larger.
 7. When one locating ring is used for fixed-end, the offset (X dimension) of bearing center from the center of the housing is a half of the locating ring width.
 8. ZF type oil seals are also available instead of GS type seals.
 9. The dimension Y indicates the distance from the bearing center to the outer side face of the nut.

One piece type Plummer Block Housings
V Series
 for Bearing with Cylindrical Bore
 Shaft Diameter: 110~160mm



Shaft dia. (mm)		Dimensions (mm)															Mass (kg)	Designations		Applicable parts								Y		
da	db	dc	D _a (H7)	H (h11)	J	J ₁	N	N ₁	A	L	A ₁	A ₂	H ₁	H ₂	Ca	G (Nominal)	l (Nominal/Reference)	Reference	Through Shaft Type	Shaft End Type	Self-aligning ball bearings	Spherical roller bearings	Nut	Locking washer	Oil seal	Locating ring		Reference		
																								db side	dc side	Designations	Q'ty			
110	120	100	170	112	290	—	25	30	165	345	100	72.5	35	224	62	M22	M 8	19	V170C120-100	V170C120-0	—	23022E	AN22	AW22X	GS27	GS22	SR170 × 8.5	2	46	
			180	125	320	56	23	32	170	380	110	75	40	243	70	M20	M 8	25	V180C120-100	V180C120-0	—	23122E	AN22	AW22X	GS27	GS22	SR180 × 14	1	51	
	125	100	200	132	350	60	23	32	190	410	120	82	45	265	82	M20	M 8	38	V200C125-100	V200C125-0	2222	22222EX	—	AN22	AW22X	GS28	GS22	SR200 × 14.5	2	42
			240	160	390	80	23	32	218	470	150	96	50	315	96	M20	M10	58	V240C125-100	V240C125-0	2322E	23222EX	—	AN22	AW22X	GS28	GS22	SR200 × 22	2	50
120	130	110	180	125	320	56	23	32	170	380	110	75	40	243	70	M20	M 8	24	V180C130-110	V180C130-0	—	23024E	ANL24	AWL24X	GS29	GS24	SR180 × 12	2	47	
			200	132	350	60	23	32	190	410	120	82	45	265	82	M20	M10	37	V200C130-110	V200C130-0	—	23124E	AN24	AW24X	GS29	GS24	SR200 × 20	1	55	
	135	110	215	140	350	60	23	32	190	410	120	82	45	280	82	M20	M10	40	V215C135-110	V215C135-0	—	22224EX	AN24	AW24X	GS30	GS24	SR215 × 12	2	53	
			260	170	450	92	29	42	236	540	160	105	60	335	103	M24	M10	64	V260C135-110	V260C135-0	—	23224E	AN24	AW24X	GS30	GS24	SR215 × 6	1	62	
130	140	115	200	132	350	60	23	32	190	410	120	82	45	265	82	M20	M10	36	V200C140-115	V200C140-0	—	23026E	ANL26	AWL26	GS32	GS26	SR200 × 15	2	51	
			210	140	350	60	23	32	190	410	120	82	45	280	82	M20	M10	40	V210C140-115	V210C140-0	—	23126E	AN26	AW26	GS32	GS26	SR210 × 18	1	57	
	145	115	230	150	380	65	23	32	200	450	130	87	50	300	86	M20	M10	48	V230C145-115	V230C145-0	—	22226EX	AN26	AW26	GS33	GS26	SR230 × 11	2	57	
			250	160	420	80	23	32	218	500	150	96	50	315	94	M20	M10	53	V250C145-115	V250C145-0	—	23226E	AN26	AW26	GS33	GS26	SR230 × 6	1	65	
140	150	115	280	180	470	92	29	42	243	560	160	108.5	60	355	108	M24	M10	80	V280C150-115	V280C150-0	—	23226E	AN26	AW26	GS34	GS26	SR280 × 15	1	72	
			210	140	350	60	23	32	190	410	120	82	45	280	82	M20	M10	39	V210C150-125	V210C150-0	—	23028E	ANL28	AWL28	GS34	GS28	SR210 × 14.5	2	53	
	155	125	225	150	380	65	23	32	200	450	130	87	50	300	86	M20	M10	48	V225C155-125	V225C155-0	—	23128E	AN28	AW28	GS35	GS28	SR225 × 18	1	60	
			250	160	420	80	23	32	218	500	150	96	50	315	94	M20	M10	53	V250C155-125	V250C155-0	—	22228EX	AN28	AW28	GS35	GS28	SR250 × 13	2	60	
150	160	135	300	190	520	92	29	50	250	610	170	112	65	375	113	M24	M12	94	V300C160-125	V300C160-0	—	23228E	AN28	AW28	GS36	GS28	SR300 × 11	1	77	
			225	150	380	65	23	32	200	450	130	87	50	300	86	M20	M10	48	V225C160-135	V225C160-0	—	23030E	ANL30	AWL30	GS36	GS30	SR225 × 15	2	56	
	165	135	250	160	420	80	23	32	218	500	150	96	50	315	94	M20	M10	50	V250C165-135	V250C165-0	—	23130E	AN30	AW30	GS37	GS30	SR250 × 14	1	68	
			270	170	450	92	29	42	236	540	160	105	60	335	103	M24	M10	62	V270C165-135	V270C165-0	—	22230E	AN30	AW30	GS37	GS30	SR270 × 15	2	65	
160	170	135	320	200	560	92	29	50	258	660	180	116	65	405	122	M24	M12	113	V320C170-135	V320C170-0	—	23230E	AN30	AW30	GS38	GS30	SR320 × 14	1	82	
			240	160	390	80	23	32	218	470	150	96	50	315	96	M20	M10	55	V240C170-140	V240C170-0	—	23032E	ANL32	AWL32	GS38	GS32	SR240 × 18	2	61	
	175	140	270	170	450	92	29	42	236	540	160	105	60	335	103	M24	M10	58	V270C175-140	V270C175-0	—	23132E	AN32	AW32	GS39	GS32	SR270 × 17	1	74	
			290	190	470	92	29	50	250	560	170	112	60	375	113	M24	M12	96	V290C175-140	V290C175-0	—	22232E	AN32	AW32	GS39	GS32	SR290 × 16.5	2	71	
180	140	140	340	212	580	104	33	54	300	680	190	137	65	425	130	M27	M12	138	V340C180-140	V340C180-0	—	23232E	AN32	AW32	GS40	GS32	SR290 × 9	1	83	
			340	212	580	104	33	54	300	680	190	137	65	425	130	M27	M12	138	V340C180-140	V340C180-0	—	22232E	AN32	AW32	GS40	GS32	SR340 × 16	1	88	

Note: (1) When heavy axial load is applied, a spacer with large O.D. and small inner chamfer must be used between the bearing and shaft shoulder to obtain a sufficient contact area.

- Remarks: 1. Plummer block housings are housings with oil seals, a plug and a grease nipple only.
 To make a complete unit, please order the corresponding bearing, nuts and locating rings shown in the table additionally.
 2. The masses in the table do not include the bearing, nuts and locating rings.
 3. H7 and h11 in the table means tolerance classes specified in JIS B 0401.
 4. The tolerance of locating ring O.D. is h12, and 0 ~ -0.2 for the width.

5. Plummer block housings V180 and larger are provided with eye bolts.
 6. The threads for plugs and grease nipples are PT1/8 for V170 and smaller, and PT1/4 for V180 and larger.
 7. When one locating ring is used for fixed-end, the offset (X dimension) of bearing center from the center of the housing is a half of the locating ring width.
 8. ZF type oil seals are also available instead of GS type seals.
 9. The dimension Y indicates the distance from the bearing center to the outer side face of the nut.

