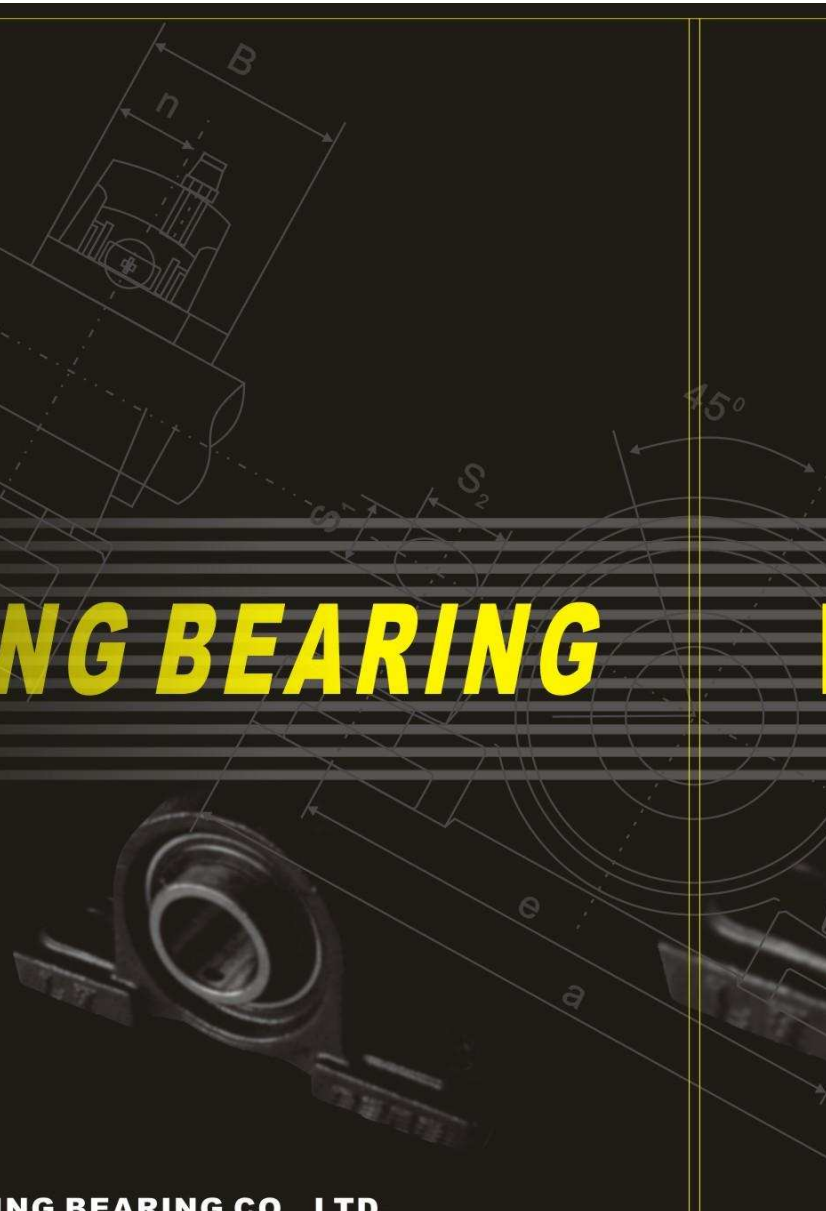
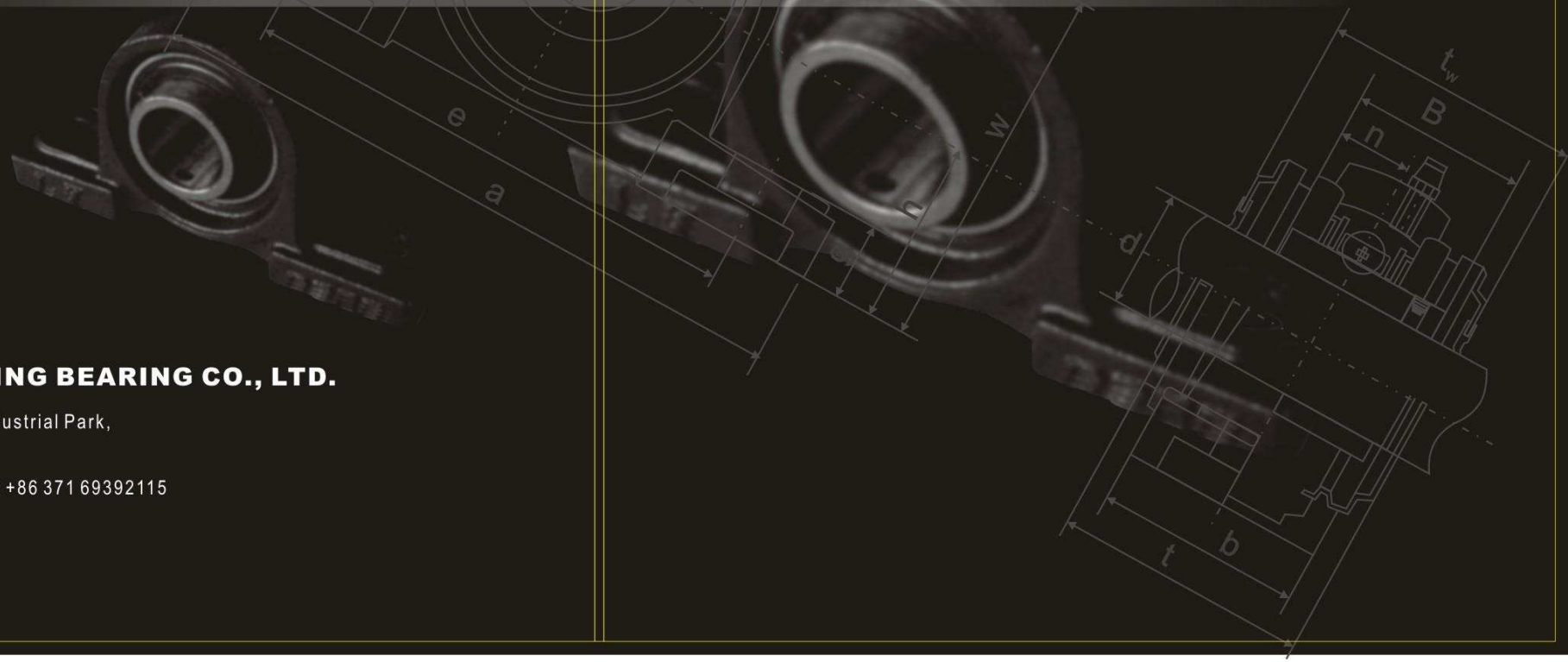
GUOXING BEARING

LK BEARING UNITS





QUANZHOU GUOXING BEARING CO., LTD.

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Bearing Units

Introduction

Quanzhou Guoxing Bearing Co., Ltd, was founded in 1995, covering about 100,000m^2, with building areas of more than 58,000m^2. Well equipped with more than 500 sets of various machine, the annual yield reaches 10millions sets.

Our dominant product is LK brand Bearing Units. With the advantages of compact structure, self-aligning, well sealed, easy to equip, and reasonable price, it is widely applied in machinery of agriculure, chemical enqieering, mine, metallurgy, building,light industry, such as refrigeration, plastic, shoe-making,carpentry, road, building materials, food, packing, textile, transportation, printing, ceramics and so on.

The goal of our company is to establish first class company, create world famous brand. The policy in quality is that the need of the market is our direction, pursuing to meet customer's satisfaction, improving constantly, working practically and creatively, and serving the society.

We form the sprit of connecting together to improve and to help you to success. LK is our registered brand.

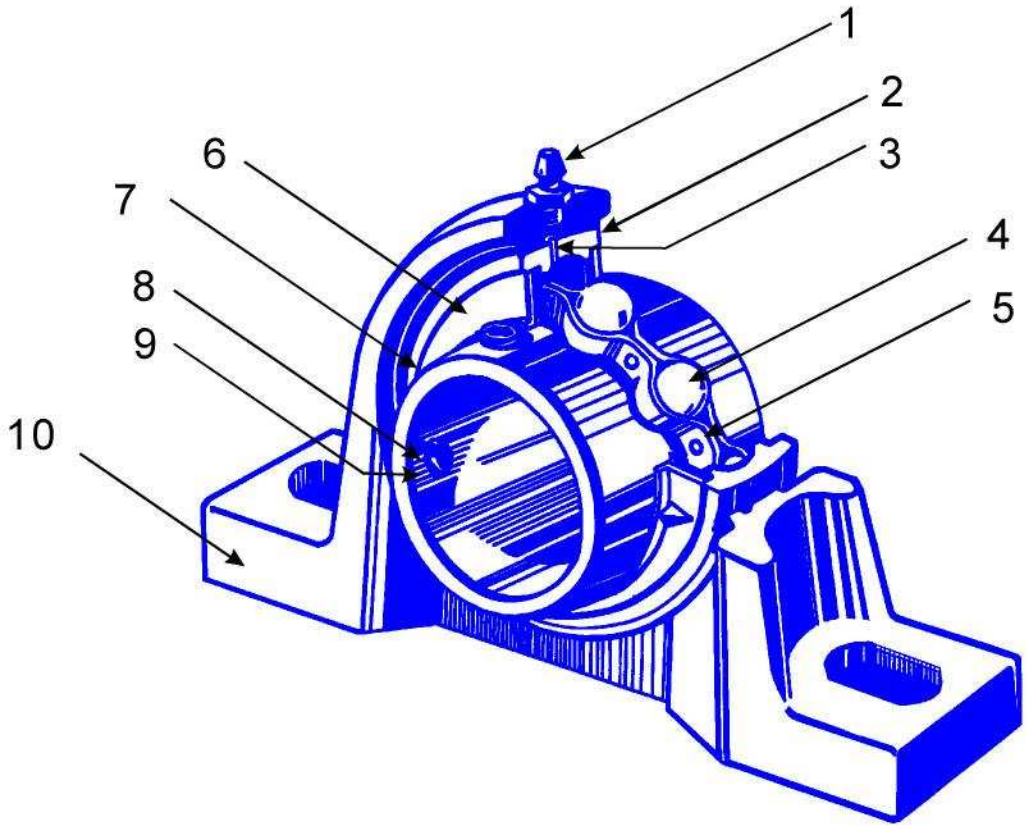
LK products are sold world widely. Cooperate well with different customers in the world. We always keep our products in the same pace with the advanced level of the world by introducting senior techniques and equipments

Warmly welcome to Quanzhou Guoxing Bearing Co., Ltd. Let's expand LK market together.

www.lkbearing.com

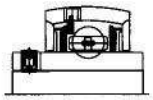
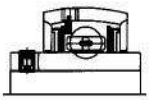
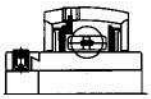
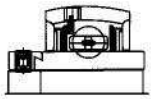
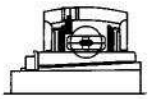
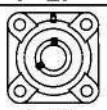
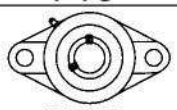
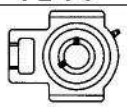


1.Structure of Pillow Blocks

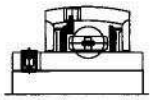
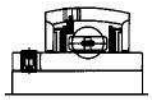
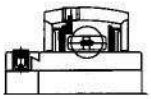
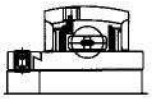
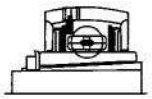
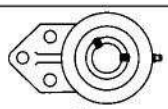
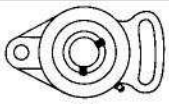
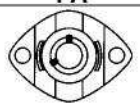
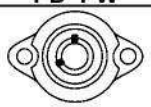
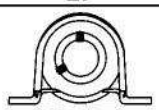
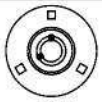
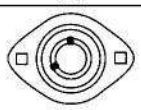


1. Grease nipple
2. Self-aligning outer ring
3. Grease hole
4. Ball
5. Steel backed rubber seal
6. Steel slinger
7. Wide inner ring
8. Set screw
9. Anneal area
10. Cast iron houseing

2.Bearings and Housings Matching Table

Bearings / Housings	Set•screw•type		With Eccentric locking collar type		Adapter sleeve locking type
	 UC200•UC300	 SB200	 NA200•NA300	 SA200	 UK200•UK300
 P LP	UCP200 UCLP200 UCP300	SBP200 SBLP200	NAP200 NAP300 NALP200	SAP200 SALP200	UKP200 UKP300 UKLP200
 F FS	UCF200 UCFS200 UCF300	SBF200	NAF200 NAF300 NAF200	SAF200	UKF200 UKF300
 FL FT	UCFL200 UCFT200 UCFL300	SBFL200	NAFL200 NAFL300 NAFT200	SAFL200	UKFL200 UKFL300
 T	UCT200 UCT300	SBT200	NAT200 NAT300	SAT200	UKT200 UKT300
 FC	UCFC200	SBFC200	NAFC200	SAFC200	UKFC200
 C	UCC200	SBC200	NAC200	SAC200	UKC200
 PH	UCPH200	SBPH200	NAPH200	SAPH200	UKPH200
 PA PW	UCPA200 UCPW200	SBPA200 SBPW200	NAPA200 NAPW200	SAPA200 SAPW200	UKPA200 UKPW200
 HA	UCHA200	SBHA200	NAHA200	SAHA200	UKHA200

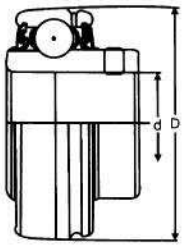
Bearing Units

Bearings / Housings	Set·screw·type		With Eccentric locking collar type		Adapter sleeve locking type
	 UC200·UC300	 SB200	 NA200·NA300	 SA200	 UK200·UK300
 FB	UCFB200	SBFB200	NAFB200	SAFB200	UKFB200
 FA	UCFA200	SBFA200	NAFA200	SAFA200	UKFA200
 FD FW		SBFD200 SBFW200		SAFD200 SAFW200	
 LF		SBLF200		SALF200	
 PP PR		SBPP200 SBPR200		SAPP200 SAPR200	
 PF		SBPF200		SAPF200	
 PFL		SBPFL200		SAPFL200	
 PFT		SBPFT200		SAPFL200	

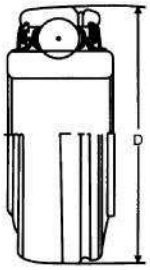
3.Dimensional Tolerances of Bearings

3.1 Tolerances of outer ring

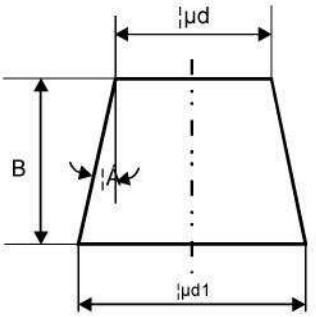
UC type

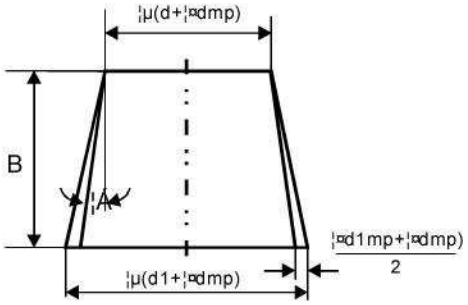


UK type



3.2 Tolerances of inner ring





d: bore diameter

d1: diameter at the theoretical large end of a basically tapered bore, d1=d+1/12B

¦¤dmp: deviation of mean bore diameter in a single plane (for a basically bore, ¦¤dmp refers to the theoretical small end of the bore.)

¦¤d1mp: deviation of mean bore diameter in a single plane at thetheoretical large end of a basically tapered bore.

B: inner ring width.

¦Á the taper angle(half the cone angle)

¦Á=2°23'9.4"=2.38594°

Table 1 Tolerances of outer ring Unit=0.001mm

D(mm)		• Ðmp		Kea
over	incl.	max.	min.	max.
30	50	0	-11	20
50	80	0	-13	25
80	120	0	-15	35
120	150	0	-18	40
150	180	0	-25	45
180	250	0	-30	50

D: outside diameter of bearing.

• Ðmp: deviation of mean outside diameter

Kea: radial runout of outer ring.

Table 2 Tolerances of cylindrical bore Unit=0.001mm

D(mm)		• Ðmp		Kea		• Bs
over	incl.	max.	min.	max.	max.	min.
10	18	+15	0	12	0	-120
18	30	+18	0	15	0	-120
30	50	+21	0	18	0	-120
50	80	+24	0	22	0	-150
80	120	+28	0	28	0	-200
120	180	+33	0	35	0	-250

d: bore diameter.

Kia: radial runout of inner ring

• ðmp: deviation of mean bearing bore diameter in a single plane

Kea: radial runout of outer ring.

• Bs: deviation of a single inner width

Table 3 Tolerances of tapered bore Unit=0.001mm

d(mm)		• ðmp		• ð1mp-• ðmp	
over	incl.	max.	min.	max.	min.
18	30	+33	0	+21	0
30	50	+39	0	+25	0
50	80	+46	0	+30	0
80	120	+54	0	+35	0
120	180	+63	0	+40	0

4.Dimensional Tolerances of Housings

The material of the housing is HT200(Gray cast iron). We can also supply pressed housing, stainless housing and ductile cast iron housing when needed. The mechanical properties are shown in the following table.

Table 4 Mechanical properties of Grey cast iron HT200

Symbol	Thickness	Dia of testing bar	Tensile strength	Traverse braking test		Pressure strength	Hardness test
				Bender strength	Deflect on		
	mm	mm	kgf/mm^2	kgf/mm^2	mm	kgf/mm^2	HB
HT200	6-8	13	Over 32	53	1.8	75	187-255
	8-15	20	Over 25	45	2.5	75	170-241
	15-30	30	Over 20	40	2.5	75	170-241
	30-50	45	Over 18	34	3.0	75	170-241
	>50	60	Over 16	31	4.5	75	163-229

Table 5 Tolerance of spherical bore diameter of housings Unit=0.001mm

Nominal dimension of spherical bore diameter Da(mm)		Housing for loose fit		Bearing type	
		Symbol H7			
over	incl.	max.	min.	200 series	300 series
30	50	+25	0	203-208	305-306
50	80	+30	0	209-210	307
80	120	+35	0	211-213	308-311
120	180	+40	0	214	312
180	250	+46	0	215-218	313-316

Table 6 Dimensional tolerance of Pillow Block-type housings Unit(mm)

Housing No. P.LP.PH.PA.PW	Tolerance of H · H
203-210 305-310	0.15
211-218 311-319	0.20
320-328	0.30

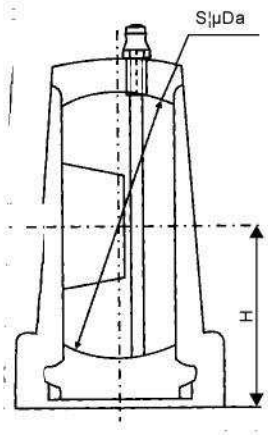


Table 7 Dimensional Tolerances of Flange-type housings Unit(mm)

Housing No.	Tolerance of A2		Tolerance of spigot run-out max.
F FS FL FT	max.	min.	X
204-206 305-306	+0.50	-0.50	0.60
207-210 307-310	+0.50	-0.50	0.80
211-218 311-318	+0.80	-0.80	1.00
319-320	+0.80	-0.80	1.008

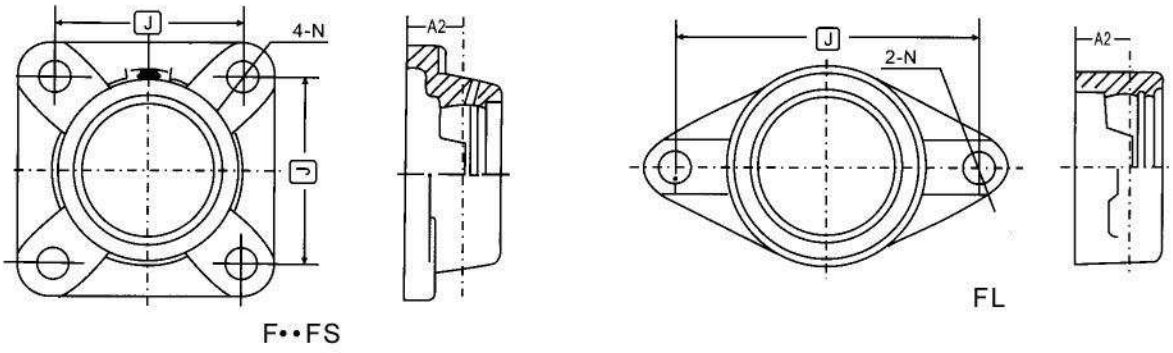


Table 8 Dimensional Tolerances of Flange Cartridge-type housings Unit(mm)

Housing No.	Tolerance of A2		Tolerance of D1		Radial runout of outside surface	Tolerance of spigot run-out max.
	max.	min.	max.	min.	max.	x
FC204-FC206	+0.50	-0.50	0	-0.046	0.20	0.60
FC207-FC210	+0.50	-0.50	0	-0.054	0.20	0.80
FC211-FC217	+0.80	-0.80	0	-0.063	0.30	0.80
FC218	+0.80	-0.80	0	-0.070	0.30	0.80

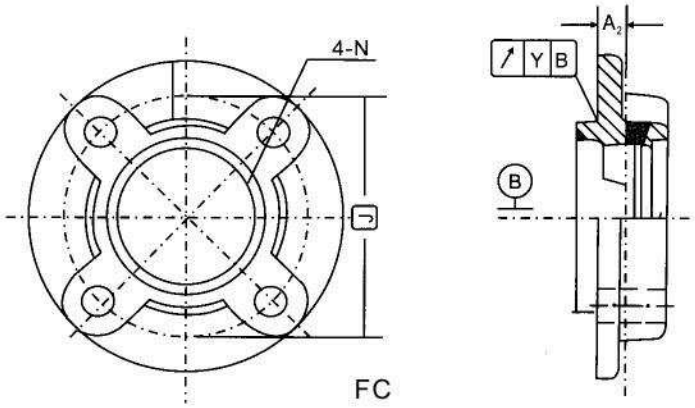


Table 9 Dimensional Tolerances of Flange type housings Unit(mm)

Housing No.		Tolerance of · A2	
		max.	min.
FB204-FB210	FA204-FA210	+0.50	-0.50
FB211-FB213	FA211-FA213	+0.80	-0.80

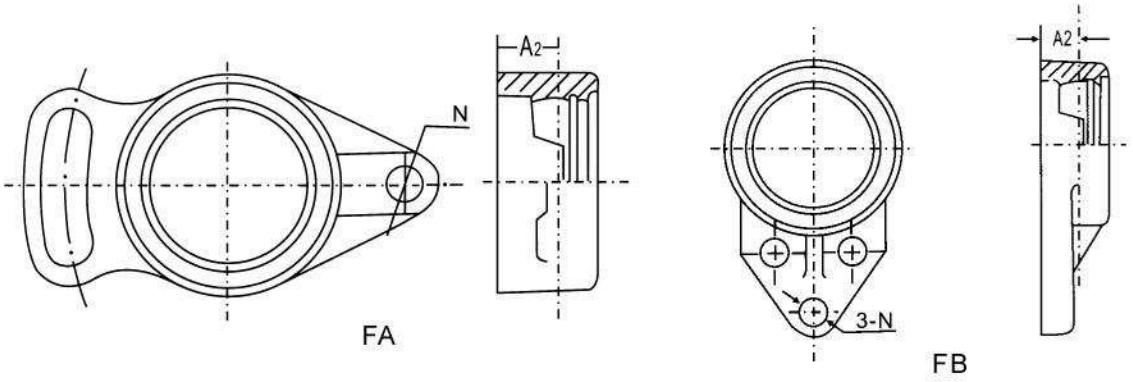


Table 10 Dimensional Tolerances of Take-up type housings Unit(mm)

Housing No.	Tolerance of ¦¤A_1		Tolerance of ¦¤H_1		Parallelism of sliding solt
	max.	min.	max.	min.	max.
T204-T210	+0.20	0	0	-0.50	+0.50
T211-T217	+0.30	0	0	-0.80	+0.80

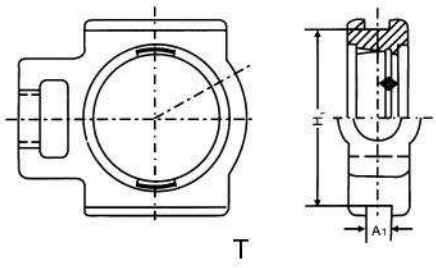
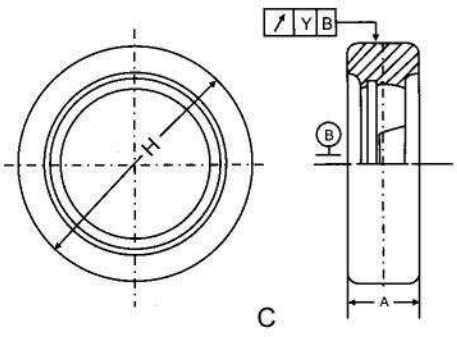


Table 11 Dimensional Tolerances of Cartridge type housings Unit(mm)

Housing No.	Tolerance of ¦¤H				Radial runout of outside surface	Tolerance of ¦¤A	
	C2 series		C3 series				
	max.	min.	max.	min.	min.	max.	min.
C204-C205	0	-0.03	..	..	0.20	+0.20	-0.20
C206-C210	0	-0.035	0	-0.035	0.20	+0.20	-0.20
C305-C308	0	-0.035	0	-0.035	0.20	+0.20	-0.20
C211-C213	0	-0.0	..	..	0.20	+0.25	-0.25
C309-C310	..	..	0	-0.04	0.20	+0.20	-0.20
C311-C314	..	..	0	-0.04	0.30	+0.25	-0.25
C315-C316	..	..	0	-0.046	0.30	+0.25	-0.25



5.Lubricant Grease

At present, No.2 lithium-based grease is used for the standard product of LK.

6.Bearing Operating Temperature and Permissible Speed of Rotation

6.1 Bearing operating temperature

The range of bearing operating temperature is between -30• •to +120• •(the measured temperature of outer ring is +100•). When the bearing is constantly subjected to the high temperature of +70• ; the grease must be supplied periodically according to the grease deterioration.

6.2 Permissible speed of rotation

The permissible speed of rotation of the ball bearing is connected with the fit between shaft and bearing. It is recommended that, under normal operating conditions, the fit between the bearing and the shaft to be H7, the relevant values of permissible speed of rotation are shown in Table 12. Looser fit allowing lower speed is recommended when lighter load is applied, while tighter fit allowing higher speed is recommended when

Table 12 Permissible speed of rotation

Bearing No.	Limit speed(r/min.)	Bearing No.	Limit speed(r/min.)	Bearing No.	Limit speed(r/min.)
UC SA SB UK NA	Grease lubrication	UC SA SB UK NA	Grease lubrication	UC UK	Grease lubrication
201	4500	210	1800	305	2800
202	4500	211	1600	306	2600
203	4500	212	1500	307	2200
204	4000	213	1400	308	2000
205	3400	214	1300	309	1800
206	2800	215	1200	310	1700
207	2400	216	1100	311	1400
208	2200	217	1000	312	1300
209	1900	218	950		

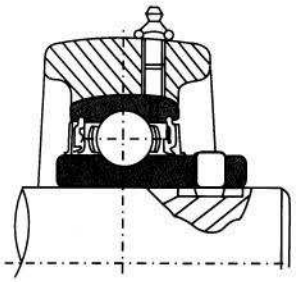
7.Selection of Shafts

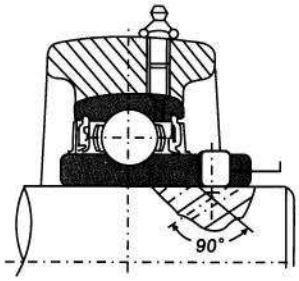
The ball bearing units is provided with hexagonal hollow set screws at two spots located at 120• •one side of inner ring. Mounting on the shaft normally adopts loose fit. When the ball bearing units is used at high rotation or under heavy load, the shaft fit must adapt a tight fit. The bearing can be also installed to the shaft by use of the adapter assembly. This is a convenient method that can be used as the intermediate bearing of a relatively long shaft.

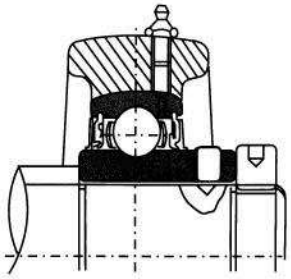
8.Mounting of Bearing on Shaft

8.1 Setscrew method

The method is to mount the bearing unit to the shaft with two set screws located at two places on one side of wide inner ring which make 120° each other. In case either the vibrantion is caused to the bearing, the reciprocal movement takes place, the load charged on the bearing is large, then it is desired to provide with the filed seat or concave section at the part where the set screws with the shaft, as shown in the following drawings.

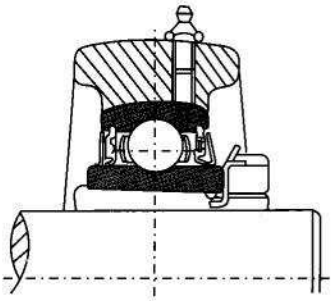






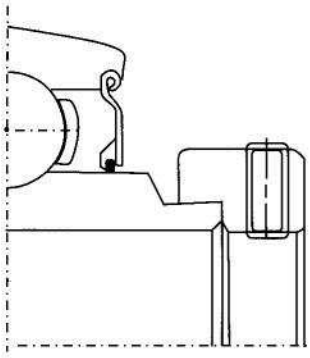
8.2 Adapter assembly method

According to this type, the inner ring diameter of bearing has the taper of 1:12. Prior to the bearing installation the sleeve is installed to an arbitrary position as shown in the right drawing. After the shake-proof washer is inserted, the nut is tightened. The proper nut tightening condition can be obtained if it is tightened enough by a hand and is then rotated by 2/5-3/5 revolution with a spanner. After the nut is tightened, bend the shake proof washer within the slot. If not, the nut may be loosened and the creep may casused between the shaft and sleeve.



8.3 Eccentrice locking collar method

The eccentric part of the collar mates with section of inner ring. The assembly to the shaft is done only by tightening the eccentric locking collar to the shaft by use of the set screw.

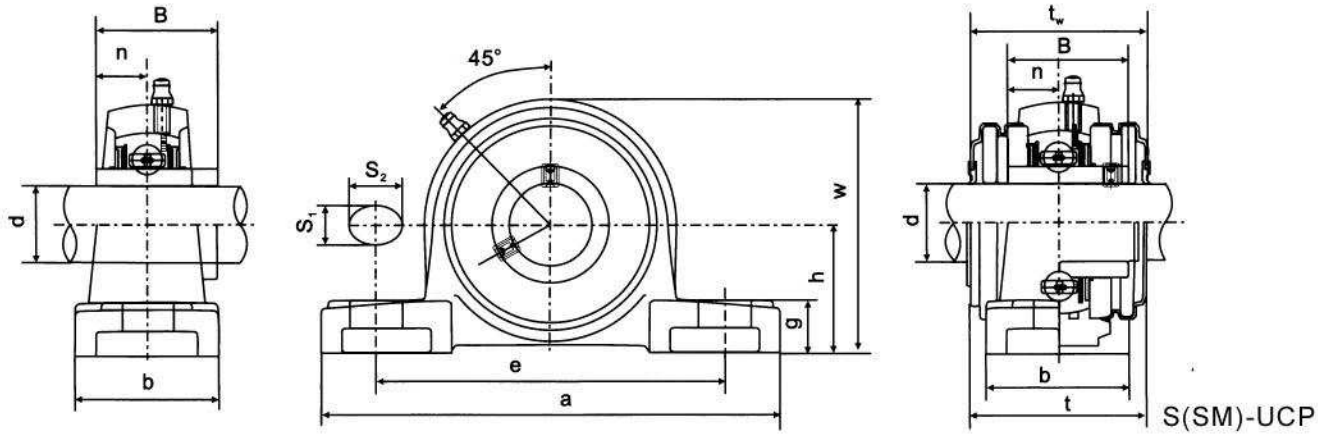


8.4 Mounting method of housings

It is desired to install the unit in the order of housing, then shaft. However, in order to have the long service life, it is desired that mounting base is flat and solid.

Pillow Blocks

UCP 2 (normal-duty)



S(SM)-UCP

Unit No.	Dimensions (mm)												Bolt Size (mm)	Bearing No.	Housing No.	Weight (kg)
	d	h	a	e	b	s1	s2	g	w	t	B	n				
UCP201	12	30.2	127	95	38	13	19	14	62	44.5	31.0	12.7	M10	UC201	P203	0.69
UCP202	15	30.2	127	95	38	13	19	14	62	44.5	31.0	12.7	M10	UC202	P203	0.69
UCP203	17	30.2	127	95	38	13	19	14	62	44.5	31.0	12.7	M10	UC203	P203	0.68
UCP204	20	33.3	127	95	38	13	19	14	65	44.5	31.0	12.7	M10	UC204	P204	0.66
UCP205	25	36.5	140	105	38	13	19	15	71	48	34.1	14.3	M10	UC205	P205	0.81
UCP206	30	42.9	165	121	48	17	20	17	84	53	38.1	15.9	M14	UC206	P206	1.24
UCP207	35	47.6	167	127	48	17	20	18	93	59.5	42.9	17.5	M14	UC207	P207	1.58
UCP208	40	49.2	184	137	54	17	20	18	100	69	49.2	19.0	M14	UC208	P208	1.89
UCP209	45	54.0	190	146	54	17	20	20	106	69	49.2	19.0	M14	UC209	P209	2.14
UCP210	50	57.2	206	159	60	20	23	21	113	74.5	51.6	19.0	M16	UC210	P210	2.66
UCP211	55	63.5	219	171	60	20	23	23	125	76	55.6	22.2	M16	UC211	P211	3.31
UCP212	60	69.8	241	184	70	20	23	25	138	89	65.1	25.4	M16	UC212	P212	4.90
UCP213	65	76.2	265	203	70	25	28	27	150	89	65.1	25.4	M20	UC213	P213	5.15
UCP214	70	79.4	266	210	72	25	28	27	156	-	74.6	30.2	M20	UC214	P214	6.20
UCP215	75	82.6	275	217	74	25	28	28	162	-	77.8	33.3	M20	UC215	P215	7.16
UCP216	80	88.9	292	232	78	25	28	30	174	-	82.6	33.3	M20	UC216	P216	8.10
UCP217	85	95.2	310	247	83	25	28	32	185	-	85.7	34.1	M20	UC217	P217	9.81
UCP218	90	101.6	327	262	88	27	30	33	198	-	96.0	39.7	M22	UC218	P218	11.96

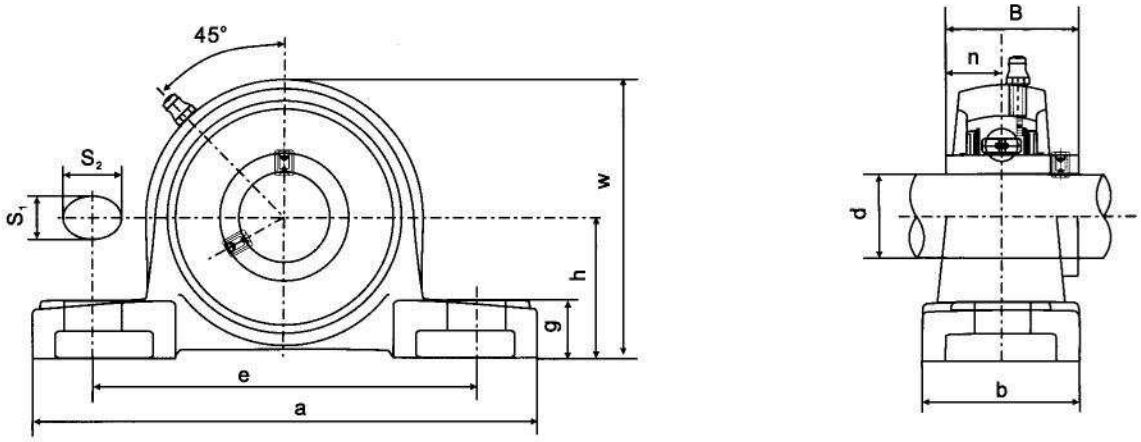
Note:

1. UC201-UC203 have the same outer dimension with UC204.
2. Insert bearings in this series could also choose bearings such as NA2xx, SA2xx, SB2xx, UCXxx, and so on, with the same mounting diamensions as UCP2xx.
3. Items in Inch series are also produced, with the same mounting dimensions as in Metric series.

Bearing Units

Pillow Blocks

UCP 3 (heavy-duty)



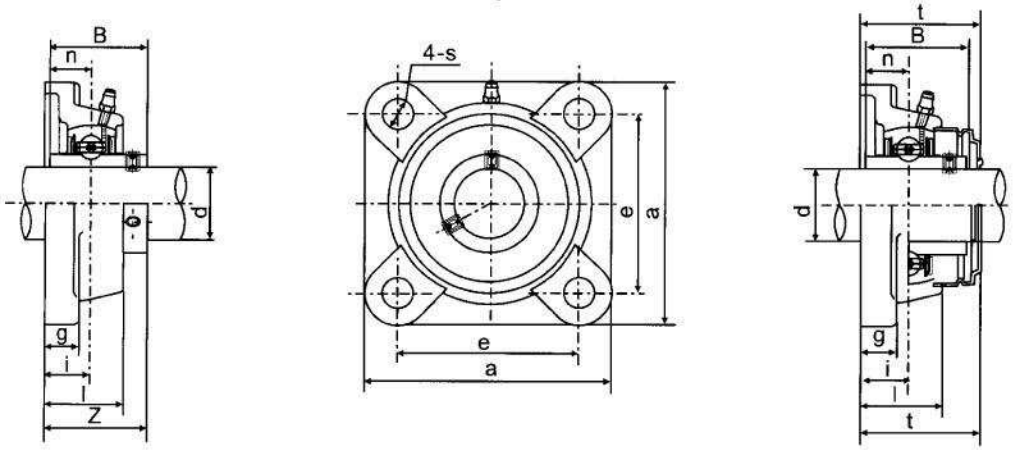
Unit No.	Dimensions (mm)											Bolt Size (mm)	Bearing No.	Housing No.	Weight (kg)
	d	h	a	e	b	s1	s2	g	w	B	n				
UCP305	25	45	175	132	45	17	20	15	85	38	15	M14	UC305	P305	1.4
UCP306	30	50	180	140	50	17	20	18	95	43	17	M14	UC306	P306	1.8
UCP307	35	56	210	160	56	17	25	20	106	48	19	M14	UC307	P307	2.8
UCP308	40	60	220	170	60	17	27	22	116	52	19	M14	UC308	P308	3.0
UCP309	45	67	245	190	67	20	30	24	129	57	22	M16	UC309	P309	4.1
UCP310	50	75	275	212	75	20	35	27	143	61	22	M16	UC310	P310	5.8
UCP311	55	80	310	236	80	20	38	30	154	66	25	M16	UC311	P311	7.4
UCP312	60	85	330	250	85	25	38	32	165	71	26	M20	UC312	P312	9.4
UCP313	65	90	340	260	90	25	38	33	176	75	30	M20	UC313	P313	10.0
UCP314	70	95	360	280	90	27	40	35	187	78	33	M22	UC314	P314	12.0
UCP315	75	100	380	290	100	27	40	35	198	82	32	M22	UC315	P315	14.0
UCP316	80	106	400	300	110	27	40	40	210	86	34	M22	UC316	P316	18.0
UCP317	85	112	420	320	110	33	45	40	220	96	40	M27	UC317	P317	20.0
UCP318	90	118	430	330	110	33	45	45	235	96	40	M27	UC318	P318	24.0
UCP319	95	125	470	360	120	36	50	45	250	103	41	M30	UC319	P319	29.0

Note:

1. Insert bearings in this series could also choose bearings such as NA3xx, UK3xx, and so on, with the same mounting diamensions as UCP3xx.
2. Items in Inch series are also produced, with the same mounting dimensions as in Metric series.

Flange Units(square)

UCF 2 (normal-duty)



S(SM)-UCF

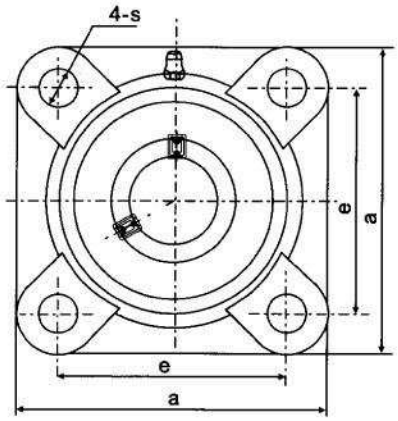
Unit No.	Dimensions (mm)											Bolt Size (mm)	Bearing No.	Housing No.	Weight (kg)
	d	a	e	i	g	l	s	z	t	B	n				
UCF201	12	86	64	15	12	25.5	12	33.3	37.5	31.0	12.7	M10	UC201	F204	0.60
UCF202	15	86	64	15	12	25.5	12	33.3	37.5	31.0	12.7	M10	UC202	F204	0.59
UCF203	17	86	64	15	12	25.5	12	33.3	37.5	31.0	12.7	M10	UC203	F204	0.58
UCF204	20	86	64	15	12	25.5	12	33.3	37.5	31.0	12.7	M10	UC204	F204	0.56
UCF205	25	95	70	16	14	27	12	35.8	40.0	34.1	14.3	M10	UC205	F205	0.80
UCF206	30	108	83	18	14	31	12	40.2	44.5	38.1	15.9	M10	UC206	F206	1.12
UCF207	35	117	92	19	16	34	14	44.4	48.5	42.9	17.5	M12	UC207	F207	1.46
UCF208	40	130	102	21	16	36	16	51.2	55.5	49.2	19.0	M14	UC208	F208	1.84
UCF209	45	137	105	22	18	38	16	52.2	56.5	49.2	19.0	M14	UC209	F209	2.15
UCF210	50	143	111	22	18	40	16	54.6	59.5	51.6	19.0	M14	UC210	F210	2.42
UCF211	55	162	130	25	20	43	19	58.4	63.0	55.6	22.2	M16	UC211	F211	3.31
UCF212	60	175	143	29	20	48	19	68.7	73.5	65.1	25.4	M16	UC212	F212	4.28
UCF213	65	187	149	30	22	50	19	69.7	74.5	65.1	25.4	M16	UC213	F213	4.99
UCF214	70	193	152	31	22	54	19	75.4	81.5	74.6	30.2	M16	UC214	F214	5.85
UCF215	75	200	159	34	22	56	19	78.5	83.5	77.8	33.3	M16	UC215	F215	6.91
UCF216	80	208	165	34	22	58	23	83.3	88.5	82.6	33.3	M20	UC216	F216	7.50
UCF217	85	220	175	36	24	63	23	87.6	92.6	85.7	34.1	M20	UC217	F217	9.66
UCF218	90	235	187	40	24	68	23	96.3	101.5	96.0	39.7	M20	UC218	F218	12.06

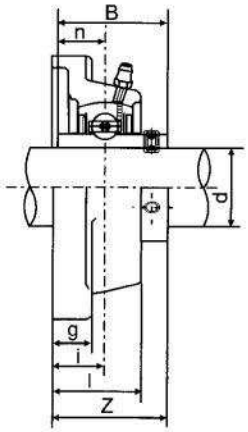
Note:

1. UC201-UC203 have the same outer dimension with UC204
2. Insert bearings in this series could also choose bearings such as NA2xx, SA2xx, SB2xx, UCXxx, and so on, with the same mounting diamensions as UCF2xx.
3. Items in Inch series are also produced, with the same mounting dimensions as in Metric series.

Flange Uints(square)

UCF 3 (heavy-duty)





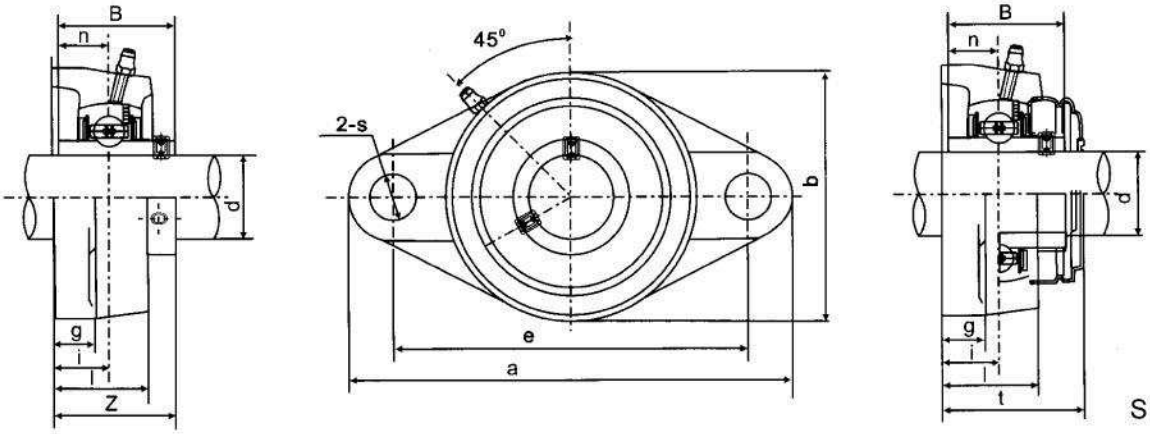
Unit No.	Dimensions (mm)										Bolt Size (mm)	Bearing No.	Housing No.	Weight (kg)
	d	a	e	i	g	l	s	z	B	n				
UCF305	25	110	80	16	13	29	16	39	38	15	M14	UC305	F305	1.1
UCF306	30	125	95	18	15	32	16	44	43	17	M14	UC306	F306	1.6
UCF307	35	135	100	20	16	36	19	49	48	19	M16	UC307	F307	2.0
UCF308	40	150	112	23	17	40	19	56	52	19	M16	UC308	F308	2.7
UCF309	45	160	125	25	18	44	19	60	57	22	M16	UC309	F309	3.4
UCF310	50	175	132	28	19	48	23	67	61	22	M20	UC310	F310	4.5
UCF311	55	185	140	30	20	52	23	71	66	25	M20	UC311	F311	5.5
UCF312	60	195	150	33	22	56	23	78	71	26	M20	UC312	F312	6.5
UCF313	65	208	166	33	22	58	23	78	75	30	M20	UC313	F313	7.9
UCF314	70	226	178	36	25	61	25	81	78	33	M27	UC314	F314	9.5
UCF315	75	236	184	39	25	66	25	89	82	32	M27	UC315	F315	12.0
UCF316	80	250	196	38	27	68	31	90	86	34	M27	UC316	F316	14.0
UCF317	85	260	204	44	27	74	31	100	96	40	M27	UC317	F317	16.0
UCF318	90	280	216	44	30	76	35	100	96	40	M30	UC318	F318	19.0
UCF319	95	290	228	59	30	94	35	100	103	41	M30	UC319	F319	22.0

Note:

1. Insert bearings in this series could also choose bearings such as NA3xx, UK3xx, and so on, with the same mounting diamensions as UCF3xx.
2. Items in Inch series are also produced, with the same mounting dimensions as in Metric series.

Flange Units(oval)

UCFL 2 (normal-duty)



S(SM)-UCFL

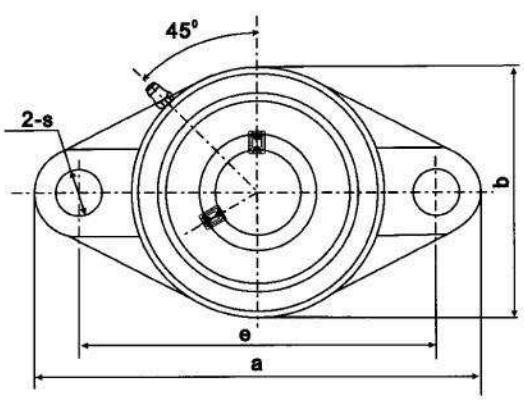
Unit No.	Dimensions (mm)												Bolt Size (mm)	Bearing No.	Housing No.	Weight (kg)
	d	a	e	i	g	l	s	b	z	t	B	n				
UCFL201	12	113	90	15	11	25.5	12	60	33.3	37.5	31.0	12.7	M10	UC201	FL204	0.45
UCFL202	15	113	90	15	11	25.5	12	60	33.3	37.5	31.0	12.7	M10	UC202	FL204	0.44
UCFL203	17	113	90	15	11	25.5	12	60	33.3	37.5	31.0	12.7	M10	UC203	FL204	0.43
UCFL204	20	113	90	15	11	25.5	12	60	33.3	37.5	31.0	12.7	M10	UC204	FL204	0.41
UCFL205	25	130	99	16	13	27	16	68	35.8	40.0	34.1	14.3	M14	UC205	FL205	0.58
UCFL206	30	148	117	18	13	31	16	80	40.2	44.5	38.1	15.9	M14	UC206	FL206	0.86
UCFL207	35	161	130	19	14	34	16	90	44.4	48.5	42.9	17.5	M14	UC207	FL207	1.08
UCFL208	40	175	144	21	14	36	16	100	51.2	55.5	49.2	19.0	M14	UC208	FL208	1.44
UCFL209	45	188	148	22	15	38	19	108	52.2	56.5	49.2	19.0	M16	UC209	FL209	1.74
UCFL210	50	197	157	22	15	40	19	115	54.6	59.5	51.6	19.0	M16	UC210	FL210	2.10
UCFL211	55	224	184	25	18	43	19	130	58.4	63.0	55.6	22.2	M16	UC211	FL211	2.91
UCFL212	60	250	202	29	18	48	23	140	68.7	73.5	65.1	25.4	M20	UC212	FL212	3.74
UCFL213	65	258	210	30	22	50	23	155	69.7	74.5	65.1	25.4	M20	UC213	FL213	4.57
UCFL214	70	265	216	31	22	54	23	160	75.4	-	74.6	30.2	M20	UC214	FL214	5.11
UCFL215	75	275	225	34	22	56	23	165	78.5	-	77.8	33.3	M20	UC215	FL215	5.37
UCFL216	80	290	233	34	22	58	25	180	83.3	-	82.6	33.3	M22	UC216	FL216	7.20
UCFL217	85	305	248	36	24	63	25	190	87.6	-	85.7	34.1	M22	UC217	FL217	8.61
UCFL218	90	320	265	40	24	68	25	205	96.3	-	96.0	39.7	M22	UC218	FL218	10.51

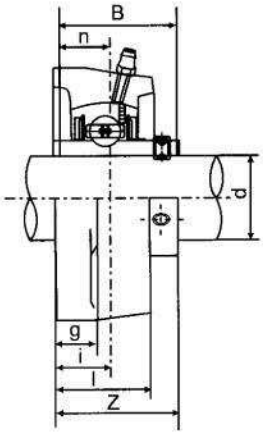
Note:

1. UC201-UC203 have the same outer dimension with UC204
2. Insert bearings in this series could also choose bearings such as NA2xx, SA2xx, SB2xx, UCXxx, and so on, with the same mounting diamensions as UCFL2xx.
3. Items in Inch series are also produced, with the same mounting dimensions as in Metric series.

Flange Uints(oval)

UCFL 3 (heavy-duty)





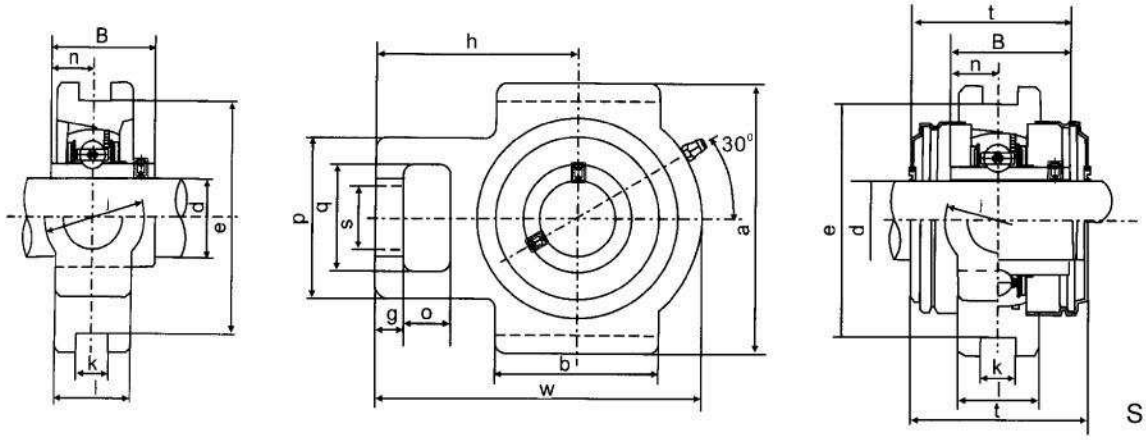
Unit No.	Dimensions (mm)											Bolt Size (mm)	Bearing No.	Housing No.	Weight (kg)
	d	a	e	i	g	l	s	b	z	B	n				
UCFL305	25	150	113	16	13	29	19	80	39	38	15	M16	UC305	FL305	1.1
UCFL306	30	180	134	18	15	32	23	90	44	43	17	M20	UC306	FL306	1.5
UCFL307	35	185	141	20	16	36	23	100	49	48	19	M20	UC307	FL307	1.9
UCFL308	40	200	158	23	17	40	23	112	56	52	19	M20	UC308	FL308	2.5
UCFL309	45	230	177	25	18	44	25	125	60	57	22	M22	UC309	FL309	3.4
UCFL310	50	240	187	28	19	48	25	140	67	61	22	M22	UC310	FL310	4.4
UCFL311	55	250	198	30	20	52	25	150	70	66	25	M22	UC311	FL311	5.1
UCFL312	60	270	212	33	22	56	31	160	78	71	26	M27	UC312	FL312	6.1
UCFL313	65	295	240	33	25	58	31	175	78	75	30	M27	UC313	FL313	7.8
UCFL314	70	315	250	36	28	61	35	185	80	78	33	M30	UC314	FL314	9.0
UCFL315	75	320	260	39	30	66	35	195	89	82	32	M30	UC315	FL315	10.0
UCFL316	80	355	285	38	32	68	38	210	90	86	34	M33	UC316	FL316	13.0
UCFL317	85	370	300	44	32	74	38	220	100	96	40	M33	UC317	FL317	15.0
UCFL318	90	385	315	44	36	76	38	235	100	96	40	M33	UC318	FL318	18.0
UCFL319	95	405	330	59	40	94	41	250	121	103	41	M36	UC319	FL319	22.0

Note:

1. Insert bearings in this series could also choose bearings such as NA3xx, UK3xx, and so on, with the same mounting diamensions as UCP2xx.
2. Items in Inch series are also produced, with the same mounting dimensions as in Metric series.

Take-up Units

UCT 2 (normal-duty)



S(SM)-UCT

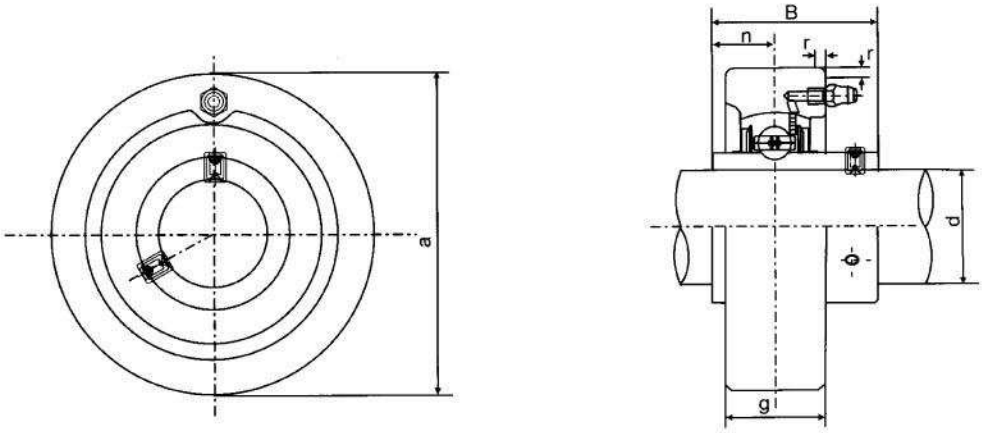
Unit No.	Dimensions (mm)																Bearing No.	Housing No.	Weight (kg)
	d	o	g	p	q	s	b	k	e	a	w	j	l	h	t	B	n			
UCT201	12	16	10	51	32	19	51	12	76	89	94	32	21	61	44.5	31.0	12.7	UC201	T204	0.80
UCT202	15	16	10	51	32	19	51	12	76	89	94	32	21	61	44.5	31.0	12.7	UC202	T204	0.79
UCT203	17	16	10	51	32	19	51	12	76	89	94	32	21	61	44.5	31.0	12.7	UC203	T204	0.78
UCT204	20	16	10	51	32	19	51	12	76	89	94	32	21	61	44.5	31.0	12.7	UC204	T204	0.76
UCT205	25	16	10	51	32	19	51	12	76	89	97	32	24	62	48.0	34.1	14.3	UC205	T205	0.81
UCT206	30	16	10	56	37	22	57	12	89	102	113	37	28	70	53.0	38.1	15.9	UC206	T206	1.22
UCT207	35	16	13	64	37	22	64	12	89	102	129	37	30	78	59.5	42.9	17.5	UC207	T207	1.44
UCT208	40	19	16	83	49	29	83	16	102	114	144	49	33	89	69.0	49.2	19.0	UC208	T208	2.40
UCT209	45	19	16	83	49	29	83	16	102	117	144	49	35	87	69.0	49.2	19.0	UC209	T209	2.36
UCT210	50	19	16	83	49	29	86	16	102	117	149	49	37	90	74.5	51.6	19.0	UC210	T210	2.43
UCT211	55	25	19	102	64	35	95	22	130	146	171	64	38	106	76.0	55.6	22.2	UC211	T211	4.11
UCT212	60	32	19	102	64	35	102	22	130	146	194	64	42	119	89.0	65.1	25.4	UC212	T212	4.97
UCT213	65	32	21	111	70	41	121	26	151	167	224	70	44	137	89.0	65.1	25.4	UC213	T213	6.65
UCT214	70	32	21	111	70	41	121	26	151	167	224	70	46	137	-	74.6	30.2	UC214	T214	7.05
UCT215	75	32	21	111	70	41	121	26	151	167	232	70	48	140	-	77.8	33.3	UC215	T215	7.41
UCT216	80	32	21	111	70	41	121	26	165	184	235	70	51	140	-	82.6	33.3	UC216	T216	8.30
UCT217	85	38	29	124	73	48	157	30	173	198	260	73	54	162	-	85.7	34.1	UC217	T217	11.0

Note:

1. UC201-UC203 have the same outer dimension with UC204
2. Insert bearings in this series could also choose bearings such as NA2xx, SA2xx, SB2xx, UCXxx, and so on, with the same mounting diamensions as UCT2xx.
3. Items in Inch series are also produced, with the same mounting dimensions as in Metric series.

Cartridge Units

UCC 2 (normal-duty)



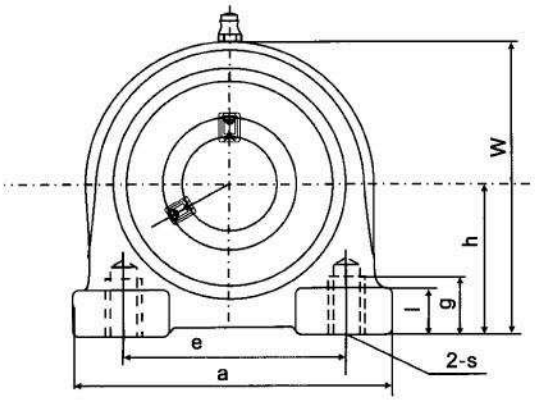
Unit No.	Dimensions (mm)						Bearing No.	Housing No.	Weight (kg)
	d	a	g	r	B	n			
UCC201	12	72	20	2.0	31.0	12.7	UC201	C204	0.52
UCC202	15	72	20	2.0	31.0	12.7	UC202	C204	0.51
UCC203	17	72	20	2.0	31.0	12.7	UC203	C204	0.50
UCC204	20	72	20	2.0	31.0	12.7	UC204	C204	0.48
UCC205	25	80	22	2.0	34.1	14.3	UC205	C205	0.63
UCC206	30	85	27	2.0	38.1	15.9	UC206	C206	0.80
UCC207	35	90	28	2.0	42.9	17.5	UC207	C207	0.93
UCC208	40	100	30	2.5	49.2	19.0	UC208	C208	1.22
UCC209	45	110	31	2.5	49.2	19.0	UC209	C209	1.49
UCC210	50	120	33	2.5	51.6	19.0	UC210	C210	1.90
UCC211	55	125	35	2.5	55.6	22.2	UC211	C211	2.18
UCC212	60	130	38	2.5	65.1	25.4	UC212	C212	2.52
UCC213	65	140	40	3.0	65.1	25.4	UC213	C213	2.98

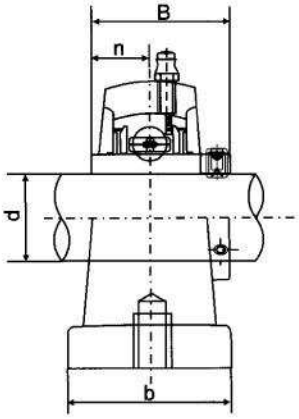
Note:

1. UC201-UC203 have the same outer dimension with UC204
2. Insert bearings in this series could also choose bearings such as NA2xx, SA2xx, SB2xx, UCXxx, UK2xx and so on, with the same mounting diamensions as UCC2xx.
3. Items in Inch series are also produced, with the same mounting dimensions as in Metric series.

Pillow Blocks

UCPA 2 (normal-duty)





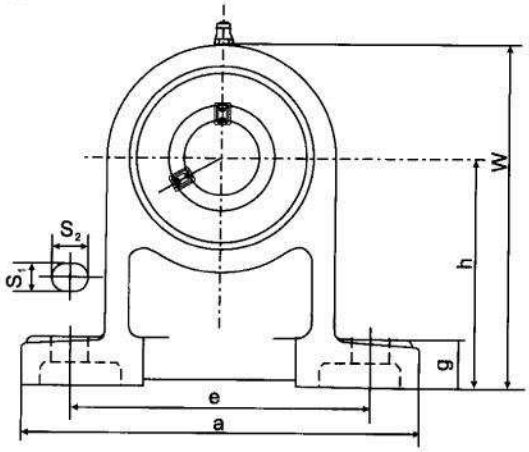
Unit No.	Dimensions (mm)											Bolt Size (mm)	Bearing No.	Housing No.	Weight (kg)
	d	h	a	e	b	s	g	l	w	B	n				
UCPA201	12	30.2	76	52	40	M10	15	11	62	31.0	12.7	M10	UC201	PA204	0.60
UCPA202	15	30.2	76	52	40	M10	15	11	62	31.0	12.7	M10	UC202	PA204	0.59
UCPA203	17	30.2	76	52	40	M10	15	11	62	31.0	12.7	M10	UC203	PA204	0.58
UCPA204	20	30.2	76	52	40	M10	15	11	62	31.0	12.7	M10	UC204	PA204	0.56
UCPA205	25	36.5	84	56	38	M10	15	12	72	34.1	14.3	M10	UC205	PA205	0.83
UCPA206	30	42.9	94	66	50	M14	18	12	84	38.1	15.9	M14	UC206	PA206	1.12
UCPA207	35	47.6	110	80	55	M14	20	13	95	42.9	17.5	M14	UC207	PA207	1.48
UCPA208	40	49.2	116	84	58	M14	20	13	100	49.2	19.0	M14	UC208	PA208	1.89
UCPA209	45	54.2	120	90	60	M14	25	13	108	49.2	19.0	M14	UC209	PA209	1.98
UCPA210	50	57.2	130	94	64	M16	25	14	116	51.6	19.0	M16	UC210	PA210	2.16
UCPA211	55	63.5	140	104	66	M16	25	14	125	55.6	22.2	M16	UC211	PA211	3.26
UCPA212	60	69.9	150	114	68	M16	25	15	138	65.1	25.4	M16	UC212	PA212	4.19
UCPA213	65	76.2	160	124	70	M16	25	15	150	65.1	25.4	M16	UC213	PA213	-

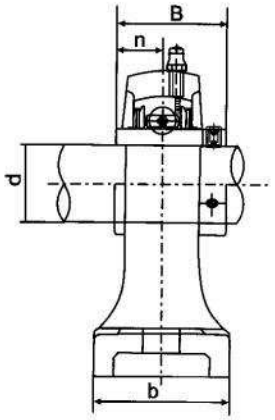
Note:

1. UC201-UC203 have the same outer dimension with UC204
2. Insert bearings in this series could also choose bearings such as NA2xx, SA2xx, SB2xx, UCXxx, UK2xx, and so on, with the same mounting diamensions as UCPA2xx.
3. Items in Inch series are also produced, with the same mounting dimensions as in Metric series.

Pillow Blocks

UCPH 2 (normal-duty)





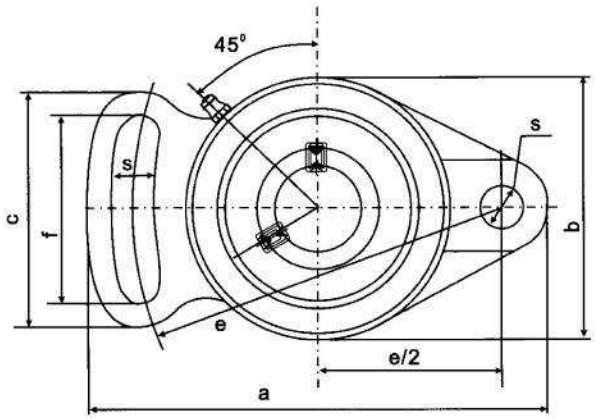
Unit No.	Dimensions (mm)											Bolt Size (mm)	Bearing No.	Housing No.	Weight (kg)
	d	h	a	e	b	s1	s2	g	w	B	n				
UCPH201	12	70	127	95	40	13	19	15	101	31.0	12.7	M10	UC201	PH204	0.81
UCPH202	15	70	127	95	40	13	19	15	101	31.0	12.7	M10	UC202	PH204	0.80
UCPH203	17	70	127	95	40	13	19	15	101	31.0	12.7	M10	UC203	PH204	0.79
UCPH204	20	70	127	95	40	13	19	15	101	31.0	12.7	M10	UC204	PH204	0.77
UCPH205	25	80	140	105	50	13	19	16	114	34.1	14.3	M10	UC205	PH205	1.01
UCPH206	30	90	161	121	50	17	21	17	130	38.1	15.9	M14	UC206	PH206	1.47
UCPH207	35	95	166	127	60	17	21	18	140	42.9	17.5	M14	UC207	PH207	1.91
UCPH208	40	100	178	137	70	17	21	19	150	49.2	19.0	M14	UC208	PH208	2.52
UCPH209	45	105	189	146	70	17	21	20	158	49.2	19.0	M16	UC209	PH209	2.72
UCPH210	50	110	205	159	70	20	23	21	165	51.6	19.0	M16	UC210	PH210	3.10
UCPH211	55	120	219	171	75	20	23	22	181	55.6	22.2	M16	UC211	PH211	-
UCPH212	60	130	241	184	85	20	23	25	197	65.1	25.4	M16	UC212	PH212	-
UCPH213	65	140	265	203	95	25	28	27	212	65.1	25.4	M20	UC213	PH213	-
UCPH214	70	150	266	210	105	25	28	28	225	74.6	30.2	M20	UC214	PH214	-
UCPH215	75	160	275	217	115	25	28	29	238	77.8	33.3	M20	UC215	PH215	-
UCPH216	80	170	292	232	125	25	28	30	253	82.6	33.3	M20	UC216	PH216	-

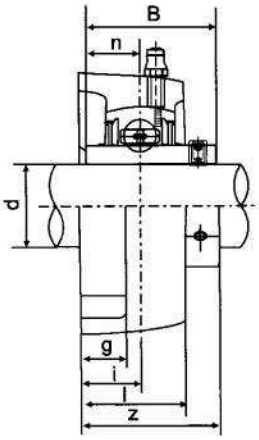
Note:

1. UC201-UC203 have the same outer dimension with UC204
2. Insert bearings in this series could also choose bearings such as NA2xx, SA2xx, SB2xx, UCXxx, UK2xx and so on, with the same mounting diamensions as UCPH2xx.
3. Items in Inch series are also produced, with the same mounting dimensions as in Metric series.

Flange Units

UCFA 2 (normal-duty)





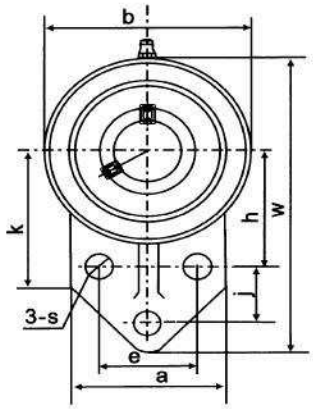
Unit No.	Dimensions (mm)													Bolt Size (mm)	Bearing No.	Housing No.	Weight (kg)
	d	a	e	i	g	l	s	b	z	f	c	B	n				
UCFA201	12	98	78	15	12	25.5	10	60	33.3	40	50	31.0	12.7	M8	UC201	FA204	0.50
UCFA202	15	98	78	15	12	25.5	10	60	33.3	40	50	31.0	12.7	M8	UC202	FA204	0.49
UCFA203	17	98	78	15	12	25.5	10	60	33.3	40	50	31.0	12.7	M8	UC203	FA204	0.48
UCFA204	20	98	78	15	12	25.5	10	60	33.3	40	50	31.0	12.7	M8	UC204	FA204	0.46
UCFA205	25	124	98	16	14	27	13	70	35.8	51	65	34.1	14.3	M10	UC205	FA205	0.66
UCFA206	30	141	115	18	14	31	13	83	40.2	58	72	38.1	15.9	M10	UC206	FA206	0.93
UCFA207	35	155	128	19	16	34	15	96	44.4	66	82	42.9	17.5	M12	UC207	FA207	1.46
UCFA208	40	171	142	21	16	38	15	105	51.2	71	87	49.2	19.0	M12	UC208	FA208	1.78
UCFA209	45	179	146	22	18	40	17	111	52.2	72	90	49.2	19.0	M14	UC209	FA209	2.03
UCFA210	50	189	155	22	18	40	17	116	54.6	76	94	51.6	19.0	M14	UC210	FA210	2.23
UCFA211	55	216	182	25	20	44	17	133	58.4	86	104	55.6	22.2	M14	UC211	FA211	-
UCFA212	60	240	202	29	20	48	19	140	68.7	100	118	65.1	25.4	M16	UC212	FA212	-
UCFA213	65	250	210	30	20	50	19	155	69.7	102	122	65.1	25.4	M16	UC213	FA213	-

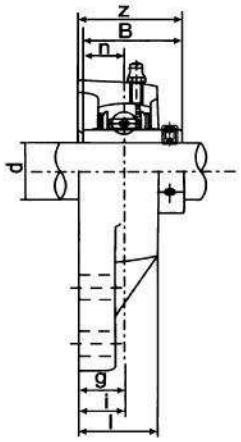
Note:

1. UC201-UC203 have the same outer dimension with UC204
2. Insert bearings in this series could also choose bearings such as NA2xx, SA2xx, SB2xx, UCXxx, UK2xx, and so on, with the same mounting diamensions as UCFA2xx.
3. Items in Inch series are also produced, with the same mounting dimensions as in Metric series.

Flange Units

UCFB 2 (normal-duty)





Unit No.	Dimensions (mm)															Bolt Size (mm)	Bearing No.	Housing No.	Weight (kg)
	d	w	b	k	a	l	s	g	h	j	e	i	z	B	n				
UCFB201	12	110	62	52	52	25.5	10	13	42	27	32	15	33.3	31.0	12.7	M8	UC201	FB204	0.58
UCFB202	15	110	62	52	52	25.5	10	13	42	27	32	15	33.3	31.0	12.7	M8	UC202	FB204	0.57
UCFB203	17	110	62	52	52	25.5	10	13	42	27	32	15	33.3	31.0	12.7	M8	UC203	FB204	0.56
UCFB204	20	110	62	52	52	25.5	10	13	42	27	32	15	33.3	31.0	12.7	M8	UC204	FB204	0.54
UCFB205	25	116	68	52	56	27	10	13	45	27	34	16	35.8	34.1	14.3	M8	UC205	FB205	0.79
UCFB206	30	130	78	55	65	31	10	13	50	29	40	18	40.2	38.1	15.9	M8	UC206	FB206	0.95
UCFB207	35	144	90	62	70	34	10	15	55	32	46	19	44.4	42.9	17.5	M8	UC207	FB207	1.29
UCFB208	40	164	100	72	75	36	12	16	60	41	50	21	51.2	49.2	19.0	M10	UC208	FB208	1.78
UCFB209	45	174	106	76	80	38	12	18	65	43	54	22	52.2	49.2	19.0	M10	UC209	FB209	1.91
UCFB210	50	184	112	82	86	40	12	18	68	46	58	22	54.6	51.6	19.0	M10	UC210	FB210	2.36
UCFB211	55	207	130	86	90	43	14	18	78	50	62	25	58.4	55.6	22.2	M12	UC211	FB211	3.15
UCFB212	60	223	140	90	94	48	14	18	84	55	66	29	68.7	65.1	25.4	M12	UC212	FB212	3.99
UCFB213	65	244	155	94	100	50	14	20	92	60	70	30	69.7	65.1	25.4	M12	UC213	FB213	-

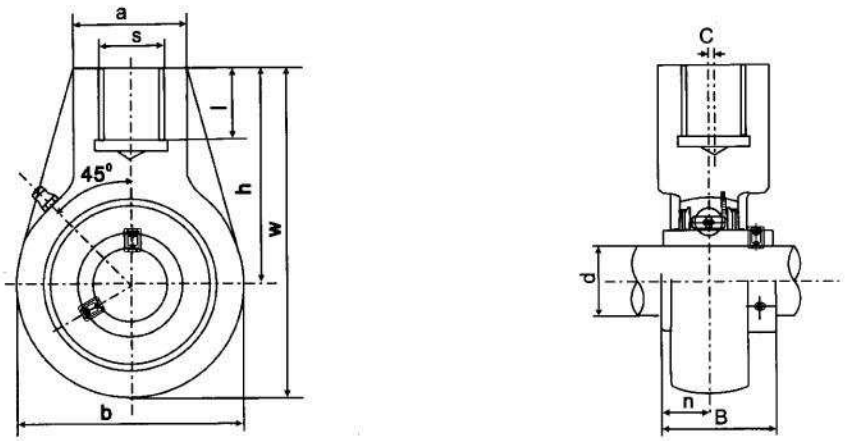
Note:

1. UC201-UC203 have the same outer dimension with UC204
2. Insert bearings in this series could also choose bearings such as NA2xx, SA2xx, SB2xx, UCXxx, UK2xx and so on, with the same mounting diamensions as UCFB2xx.
3. Items in Inch series are also produced, with the same mounting dimensions as in Metric series.

Bearing Units

Screw Conveyor Hanger Units

UCHA 2 (normal-duty)

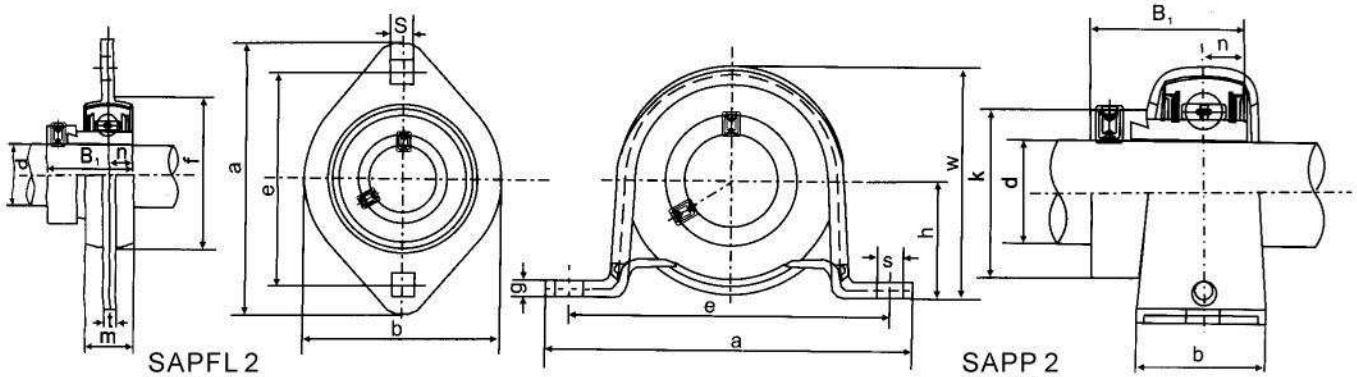


Unit No.	Dimensions (mm)										Bearing No.	Housing No.	Weight (kg)
	d	h	w	b	c	a	s	l	B	n			
UCHA201	12	64	96	64	0	40	G3/4	19	31.0	12.7	UC201	HA204	0.73
UCHA202	15	64	96	64	0	40	G3/4	19	31.0	12.7	UC202	HA204	0.72
UCHA203	17	64	96	64	0	40	G3/4	19	31.0	12.7	UC203	HA204	0.71
UCHA204	20	64	96	64	0	40	G3/4	19	31.0	12.7	UC204	HA204	0.69
UCHA205	25	64	103	78	0	40	G3/4	19	34.1	14.3	UC205	HA205	0.83
UCHA206	30	64	103	78	0	40	G3/4	19	38.1	15.9	UC206	HA206	0.90
UCHA207	35	70	116	92	0	40	G3/4	19	42.9	17.5	UC207	HA207	1.16
UCHA208	40	73	121	96	2	40	G3/4	19	49.2	19.0	UC208	HA208	1.32
UCHA209	45	82	136	108	5	48	G1	21	49.2	19.0	UC209	HA209	1.92
UCHA210	50	83	142	118	5	48	G1	21	51.6	19.0	UC210	HA210	1.90
UCHA211	55	87	150	126	7	60	G1-1/4	25	55.6	22.2	UC211	HA211	2.61
UCHA212	60	102	173	142	9	60	G1-1/4	28	65.1	25.4	UC212	HA212	3.54
UCHA213	65	117	200	166	9.5	70	G1-1/4	32	65.1	25.4	UC213	HA213	5.80

Note:

1. UC201-UC203 have the same outer dimension with UC204
2. Insert bearings in this series could also choose bearings such as NA2xx, SA2xx, SB2xx, UCXxx, UK2xx, and so on, with the same mounting diamensions as UCPH2xx.
3. Items in Inch series are also produced, with the same mounting dimensions as in Metric series.

Pressed Housing(light-duty)



Unit No.	Dimensions (mm)								Bolt Size (mm)	SAPF2				SBPF2				Housing No.
	d	a	e	b	m	s	t	f min		B1	n	Bearing No.	Weight (kg)	B	n	Bearing No.	Weight (kg)	
SAPFL SBPFL 201	12	81	63.5	59	14	7.1	4	49	M6	28.6	6.5	SA201	0.22	22	6	SB201	0.19	PFL203
SAPFL SBPFL 202	15	81	63.5	59	14	7.1	4	49	M6	28.6	6.5	SA202	0.22	22	6	SB202	0.19	PFL203
SAPFL SBPFL 203	17	81	63.5	59	14	7.1	4	49	M6	28.6	6.5	SA203	0.22	22	6	SB203	0.19	PFL203
SAPFL SBPFL 204	20	90	71.5	67	16	9.0	4	56	M8	31.0	7.5	SA204	0.24	25	7	SB204	0.24	PFL204
SAPFL SBPFL 205	25	95	76.0	71	18	9.0	4	60	M8	31.0	7.5	SA205	0.32	27	7.5	SB205	0.28	PFL205
SAPFL SBPFL 206	30	113	90.5	84	18	11	5•2	71	M10	35.7	9.0	SA206	0.41	30	8	SB206	0.38	PFL206
SAPFL SBPFL 207	35	122	100	94	20	11	5•2	81	M10	38.9	9.5	SA207	0.52	32	8.5	SB207	0.50	PFL207
SAPFL SBPFL 208	40	148	119	100	21	13.5	5.2	91	M12	43.7	11	SA208	0.83	34	9	SB208	0.80	PFL208

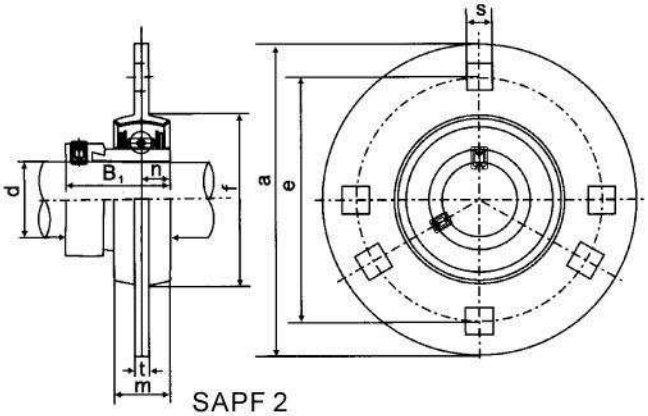
Unit No.	Dimensions (mm)								Bolt Size (mm)	SAPF2				SBPF2				Housing No.
	d	h	a	e	b	s	g	w		B1	n	Bearing No.	Weight (kg)	B	n	Bearing No.	Weight (kg)	
SAPP SBPP 201	12	22.2	86	68	25	9.5	3.2	43.8	M8	28.6	6.5	SA201	0.19	22	6	SB201	0.16	PP203
SAPP SBPP 202	15	22.2	86	68	25	9.5	3.2	43.8	M8	28.6	6.5	SA202	0.19	22	6	SB202	0.16	PP203
SAPP SBPP 203	17	22.2	86	68	25	9.5	3.2	43.8	M8	28.6	6.5	SA203	0.19	22	6	SB203	0.16	PP203
SAPP SBPP 204	20	25.4	98	76	32	9.5	3.2	50.5	M8	31.0	7.5	SA204	0.23	25	7	SB204	0.23	PP204
SAPP SBPP 205	25	28.6	108	86	32	11.5	4	56.6	M10	31.0	7.5	SA205	0.32	27	7.5	SB205	0.28	PP205
SAPP SBPP 206	30	33.3	117	95	38	11.5	4	66.3	M10	35.7	9.0	SA206	0.50	30	8	SB206	0.47	PP206
SAPP SBPP 207	35	39.7	129	106	42	11.5	4.6	78.0	M10	38.9	9.5	SA207	0.71	32	8.5	SB207	0.57	PP207

Note:

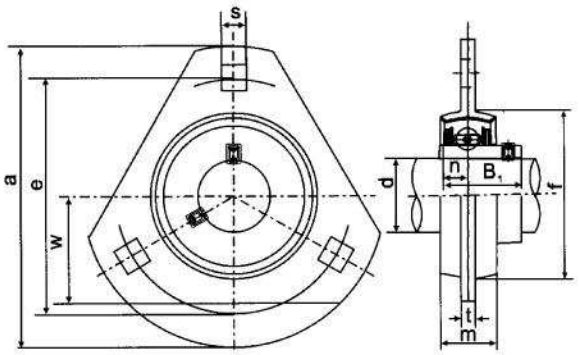
1. Items in Inch series are also produced, with the same mounting dimensions as in Metric series.

Bearing Units

Pressed Housing(light-duty)



SAPF 2
SBPF 2



SAPFT 2
SBPFT 2

Unit No.	Dimensions (mm)							Bolt Size (mm)	SAPF2				SBPF2				Housing No.
	d	a	e	m	s	t	f min		B1	n	Bearing No.	Weight (kg)	B	n	Bearing No.	Weight (kg)	
SAPF SBPF 201	12	81	63.5	14	7.1	4	49	M6	28.6	6.5	SA201	0.30	22	6	SB201	0.27	PF203
SAPF SBPF 202	15	81	63.5	14	7.1	4	49	M6	28.6	6.5	SA202	0.30	22	6	SB202	0.27	PF203
SAPF SBPF 203	17	81	63.5	14	7.1	4	49	M6	28.6	6.5	SA203	0.30	22	6	SB203	0.27	PF203
SAPF SBPF 204	20	90	71.5	16	9.0	4	56	M8	31.0	7.5	SA204	0.33	25	7	SB204	0.33	PF204
SAPF SBPF 205	25	95	76.0	18	9.0	4	60	M8	31.0	7.5	SA205	0.42	27	7.5	SB205	0.38	PF205
SAPF SBPF 206	30	113	90.5	18	11	5•2	71	M10	35.7	9.0	SA206	0.65	30	8	SB206	0.62	PF206
SAPF SBPF 207	35	122	100	20	11	5•2	81	M10	38.9	9.5	SA207	0.90	32	8.5	SB207	0.82	PF207
SAPF SBPF 208	40	148	119	21	13.5	6.8	91	M12	43.7	11	SA208	1.15	34	9	SB208	1.10	PF208

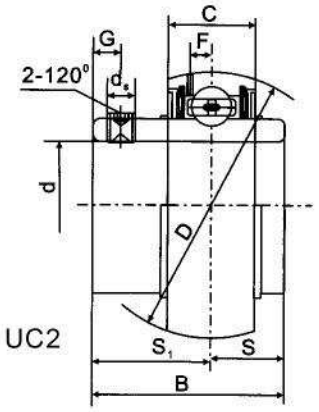
Unit No.	Dimensions (mm)								Bolt Size (mm)	SAPF2				SBPF2				Housing No.
	d	a	e	w	m	s	t	f min		B1	n	Bearing No.	Weight (kg)	B	n	Bearing No.	Weight (kg)	
SAPFT SBPFT 201	12	81	63.5	28.5	14	7.1	4	49	M6	28.6	6.5	SA201	0.26	22	6	SB201	0.23	PFT203
SAPFT SBPFT 202	15	81	63.5	28.5	14	7.1	4	49	M6	28.6	6.5	SA202	0.26	22	6	SB202	0.23	PFT203
SAPFT SBPFT 203	17	81	63.5	28.5	14	7.1	4	49	M6	28.6	6.5	SA203	0.26	22	6	SB203	0.23	PFT203
SAPFT SBPFT 204	20	90	71.5	33	16	9.0	4	56	M8	31.0	7.5	SA204	0.28	25	7	SB204	0.28	PFT204
SAPFT SBPFT 205	25	95	76.0	35	18	9.0	4	60	M8	31.0	7.5	SA205	0.36	27	7.5	SB205	0.30	PFT205
SAPFT SBPFT 206	30	113	90.5	40	18	11	5.2	71	M10	35.7	9.0	SA206	0.58	30	8	SB206	0.55	PFT206
SAPFT SBPFT 207	35	122	100	44.5	20	11	5.2	81	M10	38.9	9.5	SA207	0.82	32	8.5	SB207	0.74	PFT207

Note:

1. Items in Inch series are also produced, with the same mounting dimensions as in Metric series.
2. PF208 has four bolfs.

Ball Bearings

UC 2 (normal-duty)





SR type seal



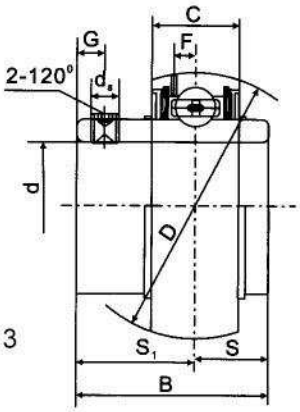
TRL type seal

Bearing No.	Dimensions mm									Basic Dynamic Load Rating(kgf)	Basic Static Load Rating(kgf)	Weight kg
	d	D	B	C	S	S1	G	ds	F			
UC201	12	47	31	17	12.7	18.3	4.8	M6x1	3.7	9880	6200	0.20
201-8	3/4							1/4-28UNF				0.19
UC202	15	47	31	17	12.7	18.3	4.8	M6x1	3.7	9880	6200	0.20
202-9	9/16							1/4-28UNF				0.19
202-10	5/8											0.19
UC203	17	47	31	17	12.7	18.3	4.8	M6x1	3.7	9880	6200	0.18
203-11	11/16							1/4-28UNF				0.17
UC204	20	47	31	17	12.7	18.3	4.8	M6x1	3.7	9880	6200	0.16
204-12	3/4							1/4-28UNF				0.16
UC205	25	52	34.1	17	14.3	19.8	5	M6x1	3.9	10780	6980	0.20
205-13	13/16							1/4-28UNF				0.24
205-14	7/8											0.23
205-15	15/16											0.21
205-16	1											0.20
UC206	30	62	38.1	19	15.9	22.2	5	M6x1	5.0	14970	10040	0.32
206-17	1-1/16							1/4-28UNF				0.33
206-18	1-1/8											0.34
206-19	1-3/16											0.32
206-20	1-1/4											0.31
UC207	35	72	42.9	20	17.5	25.4	7	M8x1	5.7	19750	13670	0.48
207-20	1-1/4							5/16-24UNF				0.54
207-21	1-5/16											0.51
207-22	1-3/8											0.48
207-23	1-7/16											0.45
UC208	40	80	49.2	21	19	30.2	8	M8x1	6.2	22710	15940	0.64
208-24	1-1/2							5/16-24UNF				0.68
208-25	1-9/16											0.65
UC209	45	85	49.2	22	19	30.2	8	M8x1	6.4	24360	17710	0.68
209-26	1-5/8							5/16-24UNF				0.78
209-27	1-11/16											0.74
209-28	1-3/4											0.70
UC210	50	90	51.6	24	19	32.6	10	M10x1.25	6.5	26980	19840	0.80
210-29	1-13/16							3/8-24UNF				0.92
210-30	1-7/8											0.87
210-31	1-15/16											0.82
210-32	2											0.78
UC211	55	100	55.6	25	22.2	33.4	10	M10x1.25	7.0	33370	25110	1.11
211-32	2							3/8-24UNF				1.26
211-33	2-1/16											1.20
211-34	2-1/8											1.15
211-35	2-3/16											1.09
UC212	60	110	65.1	27	25.4	39.7	10	M10x1.25	7.6	36740	27970	1.54
212-36	2-1/4							3/8-24UNF				1.67
212-37	2-5/16											1.59
212-38	2-3/8											1.52
212-39	2-7/16											1.45
UC213	65	120	65.1	28	25.4	39.7	10	M10x1.25	8.5	44010	34180	1.85
213-40	2-1/2							3/8-24UNF				1.94
213-41	2-9/16											1.85
UC214	70	125	74.6	29	30.2	44.4	12	M12x1.5	8.9	46790	37590	2.05
214-42	2-5/8							7/16-20UNF				2.26
214-43	2-11/16											2.16
214-44	2-3/4											2.06
UC215	75	130	77.8	30	33.3	44.5	12	M12x1.5	9.2	50850	41260	2.21
215-45	2-13/16							7/16-20UNF				2.46
215-46	2-7/8											2.35
215-47	2-15/16											2.24
215-48	3											2.12
UC216	80	140	82.6	32	33.3	49.3	12	M12x1.5	9.5	55040	45090	2.80
216-49	3-1/16							7/16-20UNF				2.98
216-50	3-1/8											2.85
216-51	3-3/16											2.72
UC217	85	150	85.7	34	34.1	51.6	12	M12x1.5	10.2	64010	53280	3.46
217-52	3-1/4							7/16-20UNF				3.68
217-53	3-5/16											3.54
217-55	3-7/16											3.25
UC218	90	160	96.0	36	39.7	56.3	12	M12x1.5	11.2	73830	60760	4.36
218-56	3-1/2							7/16-20UNF				4.47

Bearing Units

Ball bearings

UC 3 (heavy-duty)



UC3

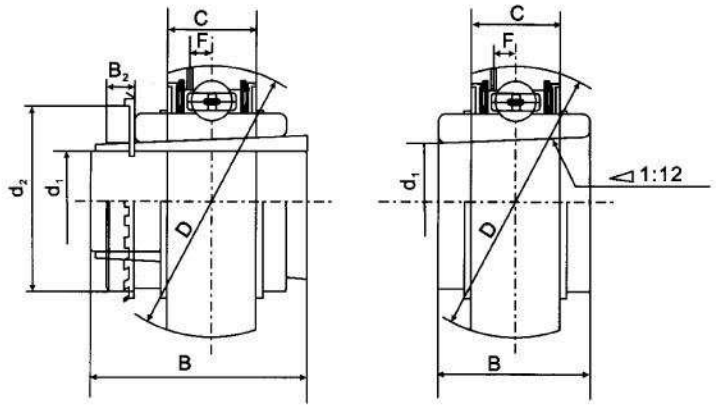


SR type seal

Bearing No.	Dimensions (mm)									Basic Dynamic Load Rating(kgf)	Basic Static Load Rating(kgf)	Weight (kg)
	d	D	B	C	S	S1	G	ds	F			
UC305	25											0.35
305-13	13/16											0.40
305-14	7/8	62	38	20	15	23	6	M6x1 1/4-28UNF	5.4	17220	11930	0.38
305-15	15/16											0.36
305-16	1											0.35
UC306	30											0.56
306-17	1-1/16											0.61
306-18	1-1/8	72	43	23	17	26	6	M6x1 1/4-28UNF	5.7	20770	14170	0.58
306-19	1-3/16											0.56
UC307	35											0.71
307-20	1-1/4											0.77
307-21	1-5/16	80	48	25	19	29	8	M8x1 5/16-24UNF	6.2	25660	17920	0.74
307-22	1-3/8											0.71
307-23	1-7/16											0.68
UC308	40											0.96
308-24	1-1/2	90	52	27	19	33	10	M10x1.25 3/8-24UNF	7.0	31350	22380	1.01
308-25	1-9/16											0.97
UC309	45											1.28
309-26	1-5/8											1.39
309-27	1-11/16	100	57	30	22	35	10	M10x1.25 3/8-24UNF	7.8	40660	30000	1.35
309-28	1-3/4											1.30
UC310	50											1.65
310-29	1-13/16											1.97
310-30	1-7/8	110	61	32	22	39	12	M12x1.5 7/16-20UNF	8.5	47580	35710	1.74
310-31	1-15/16											1.68
UC311	55											2.07
311-32	2											2.25
311-33	2-1/16	120	66	34	25	41	12	M12x1.5 7/16-20UNF	9.2	55050	41910	2.18
311-34	2-1/8											2.12
311-35	2-3/16											2.04
UC312	60											2.60
312-36	2-1/4											2.75
312-37	2-5/16	130	71	36	26	45	12	M12x1.5 7/16-20UNF	9.8	62880	48600	2.67
312-38	2-3/8											2.58
312-39	2-7/16											2.50
UC313	65											3.25
313-40	2-1/2	140	75	38	30	45	12	M12x1.5 7/16-20UNF	10.5	72210	56680	3.34
313-41	2-9/16											3.24
UC314	70											3.98
314-42	2-5/8											4.11
314-43	2-11/16	150	78	40	33	45	12	M12x1.5 7/16-20UNF	11.1	80100	63480	4.00
314-44	2-3/4											3.90
UC315	75											4.72
315-45	2-13/16											4.99
315-46	2-7/8	160	82	42	32	50	14	M14x1.5 1/2-20UNF	11.8	87250	71670	4.85
315-47	2-15/16											4.76
315-48	3											4.63
UC316	80											5.55
316-49	3-1/16											5.72
316-50	3-1/8	170	86	44	34	52	14	M14x1.5 1/2-20UNF	12.5	94570	80350	5.58
316-51	3-3/16											5.49

Ball Bearings

UK 2 (normal-duty)





SR type seal



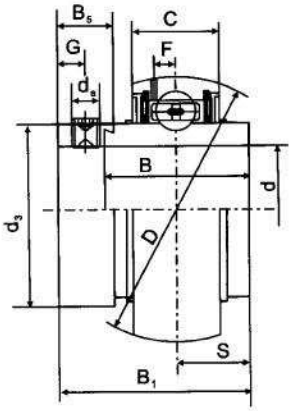
TRL type seal

Bearing No.	Dimensions (mm)									Basic Dynamic Load Rating(kgf)	Basic Static Load Rating(kgf)	Weight (kg)
	d	D	B	C	d1	B1	B2	d2	F			
UK205; H2305 205; HE2305	25 0.9843	52	23	17	20 3/4	35	8	38	3.9	10780	6980	0.25
UK206; H2306 206; HS2306 206; HE2306	30 1.1811	62	26	19	25 1	38	8	45	5.0	14970	10040	0.36
UK207; H2307 207; HS2307	35 1.3780	72	29	20	30 1-1/8	43	9	52	5.7	19750	13670	0.57
UK208; H2308 208; HE2308 208; HS2308	40 1.5748	80	31	21	35 1-1/4 1-3/8	46	10	58	6.2	22710	15940	0.74
UK209; H2309 209; HA2309 209; HE2309 209; HS2309	45 1.7717	85	31	22	40 1-7/16 1-1/2 1-5/8	50	11	65	6.4	24360	17710	0.83
UK210; H2310 210; HS2310 210; HA2310 210; HE2310	50 1.9685	90	32	24	45 1-5/8 1-11/16 1-3/4	55	12	70	6.5	26980	19840	0.97
UK211; H2311 211; HS2311 211; HA2311 211; HE2311	55 2.1654	100	35	25	50 1-7/8 1-15/16 2	59	12	75	7.0	33370	25110	1.26
UK212; H2312 212; HS2312	60 2.3622	110	38	27	55 2-1/8	62	13	80	7.6	36740	27970	1.59
UK213; H2313 213; HA2313 213; HE2313 213; HS2313	65 2.5591	120	40	28	60 2-3/16 2-1/4 2-3/8	65	14	85	8.5	44010	34180	1.76
UK215; H2315 215; HA2315 215; HE2315	75 2.9528	130	44	30	65 2-7/16 2-1/2	73	15	98	9.2	50850	41260	2.32
UK216; H2316 216; HA2316 216; HE2316	80 3.1496	-	-	-	70 2-11/16 2-3/4	-	-	-	-	55040	45090	3.60
UK217; H2317 217; HA2317 217; HE2317	85 3.3465	150	46	34	75 2-15/16 3	82	18	110	10.2	64010	53280	3.88
UK218; H2318 218; HA2318	90 3.5433	160	47	36	80 3-3/16	86	18	120	11.2	73830	60760	4.74

Bearing Units

Ball bearings

NA 2 (normal-duty)





SR type seal

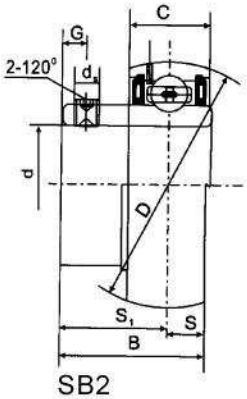


TRL type seal

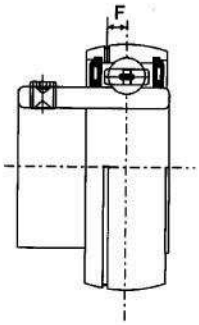
Bearing No.	Dimensions (mm)											Basic Dynamic Load Rating(kgf)	Basic Static Load Rating(kgf)	Weight (kg)
	d	D	B1	B	C	S	ds	G	B5	d3	F			
NA204	20	47	43.7	34.2	17	17.1	M6x1	4.8	13.5	33.3	3.7	9880	6200	0.23
204-12	3/4						1/4-28UNF							0.23
NA205	25	52	44.4	34.9	17	17.5	M6x1	4.8	13.5	38.1	3.9	10780	6980	0.27
205-13	13/16						1/4-28UNF							0.32
205-14	7/8													0.31
205-15	15/16													0.29
205-16	1													0.27
NA206	30	62	48.4	36.5	19	18.3	M8x1	6	15.9	44.5	5.0	14970	10040	0.45
206-17	1-1/16						5/16-28UNF							0.50
206-18	1-1/8													0.47
206-19	1-3/16													0.45
206-20	1-1/4													0.42
NA207	35	72	51.1	37.6	20	18.8	M8x1	6.8	17.5	55.6	5.7	19750	13670	0.60
207-20	1-1/4						5/16-24UNF							0.67
207-21	1-5/16													0.63
207-22	1-3/8													0.60
207-23	1-7/16													0.57
NA208	40	80	56.3	42.8	21	21.4	M8x1	6.8	18.3	60.3	6.2	22710	15940	0.79
208-24	1-1/2						5/16-24UNF							0.84
208-25	1-9/16													0.80
NA209	45	85	56.3	42.8	22	21.4	M8x1	6.8	18.3	63.5	6.4	24360	17710	0.85
209-26	1-5/8						5/16-24UNF							0.96
209-27	1-11/16													0.91
209-28	1-3/4													0.87
NA210	50	90	62.7	49.2	24	24.6	M8x1	6.8	18.3	69.9	6.5	26980	19840	0.99
210-29	1-13/16						5/16-24UNF							1.14
210-30	1-7/8													1.08
210-31	1-15/16													1.02
210-32	2													0.96
NA211	55	100	71.4	55.5	25	27.8	M10x1.25	8	20.7	76.2	7.0	33370	25110	1.32
211-32	2						3/8-24UNF							1.52
211-33	2-1/16													1.44
211-34	2-1/8													1.37
211-35	2-3/16													1.29
NA212	60	110	77.8	61.9	27	31.0	M10x1.25	8	22.3	84.2	7.6	36740	27970	1.88
212-36	2-1/4						3/8-24UNF							2.04
212-37	2-5/16													1.95
212-38	2-3/8													1.90
212-39	2-7/16													1.77
NA213	65	120	85.7	68.6	28	34.1	M10x1.25	8.5	23.5	86.0	8.5	44010	34180	2.41
213-40	2-1/2						3/8-24UNF							2.51
213-41	2-9/16													2.40
NA214	70	125	85.7	68.6	29	34.1	M10x1.25	8.5	23.5	90.0	8.9	46790	37590	2.55
214-42	2-5/8						3/8-24UNF							2.79
214-43	2-11/16													2.68
214-44	2-3/4													2.56
NA215	75	130	92.1	75.0	30	37.3	M12x1.5	8.5	23.5	102	9.2	50850	41260	2.84
215-45	2-13/16						9/16-18UNF							3.14
215-46	2-7/8													3.01
215-47	2-15/16													2.88
215-48	3													2.74

Ball Bearings (light-duty)

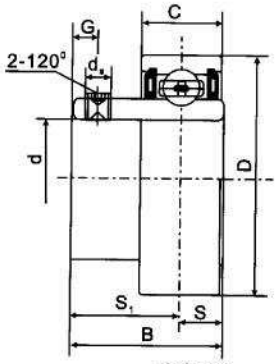
SB 2 CSB 2



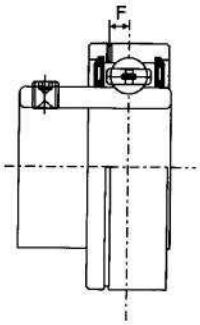
SB2



SB2G



CSB2



CSB2G

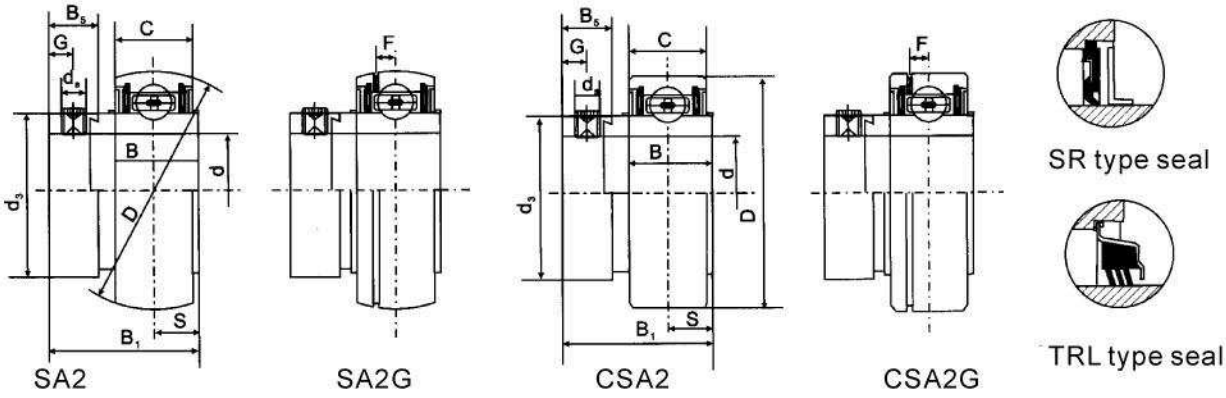

SR type seal


TRL type seal

Bearing No.	Dimensions (mm)								Basic Dynamic Load Rating(kgf)	Basic Static Load Rating(kgf)	Weight (kg)
	d	D	B	C	S	S1	ds	G			
SB201	12	40	22	12	6	16	M6x1	4.5	7360	4480	0.10
201-8	½						1/4-28UNF				0.10
SB202	15	40	22	12	6	16	M6x1	4.5	7360	4480	0.10
202-9	9/16						1/4-28UNF				0.10
202-10	5/8										0.10
SB203	17	40	22	12	6	16	M6x1	4.5	7360	4480	0.09
203-11	11/16						1/4-28UNF				0.09
SB204	20	47	25	14	7	18	M6x1	4.5	9880	6200	0.13
204-12	3/4						1/4-28UNF				0.14
SB205	25	52	27	15	7.5	19.5	M6x1	5.5	10780	6980	0.16
205-13	13/16						1/4-28UNF				0.19
205-14	7/8										0.18
205-15	15/16										0.17
205-16	1										0.16
SB206	30	62	30	16	8	22	M6x1	6.0	14970	10040	0.25
206-17	1-1/16						1/4-28UNF				0.28
206-18	1-1/8										0.26
206-19	1-3/16										0.25
206-20	1-1/4										0.24
SB207	35	72	32	17	8.5	23.5	M8x1	6.5	19750	13670	0.38
207-20	1-1/4						5/16-24UNF				0.43
207-21	1-5/16										0.41
207-22	1-3/8										0.38
207-23	1-7/16										0.37
SB208	40	80	34	18	9	25	M10x1.25	7.0	22710	15940	0.60
208-24	1-1/2						3/8-24UNF				0.58
208-25	1-9/16										0.60
SB209	45	85	41.2	19	10.2	31	M10x1.25	8.2	24360	17710	0.8
209-26	1-5/8						3/8-24UNF				
209-27	1-11/16										
209-28	1-3/4										
SB210	50	90	43.5	20	10.9	32.6	M12x1.5	9.2	26980	19840	0.8
210-29	1-13/16						1/2-20UNF				
210-30	1-7/8										
210-31	1-15/16										
210-32	2										
SB211	55	100	45.3	21	11.8	33.5	M12x1.5	9.8	33370	25110	1.1
211-32	2						1/2-20UNF				
211-33	2-1/16										
211-34	2-1/8										
211-35	2-3/16										
SB212	60	110	53.7	22	14.9	38.8	M12x1.5	9.8	36740	27970	1.3
212-36	2-1/4						1/2-20UNF				
212-37	2-5/16										
212-38	2-3/8										
212-39	2-7/16										

Bearing Units

Ball bearings (light-duty) **SA 2** **CSA 2**



Bearing No.	Dimensions (mm)										Basic Dynamic Load Rating(kgf)	Basic Static Load Rating(kgf)	Weight (kg)
	d	D	B1	B	C	S	ds	G	B5	d3			
SA201	12	40	28.6	19.1	12	6.5	M6x1	4.8	13.5	28.6	7360	4480	0.12
201-8	½						1/4-28UNF						0.12
SA202	15	40	28.6	19.1	12	6.5	M6x1	4.8	13.5	28.6	7360	4480	0.10
202-9	9/16						1/4-28UNF						0.10
202-10	5/8												0.10
SA203	17	40	28.6	19.1	12	6.5	M6x1	4.8	13.5	28.6	7360	4480	0.09
203-11	11/16						1/4-28UNF						0.09
SA204	20	47	31	21.5	14	7.5	M6x1	4.8	13.5	33.3	9880	6200	0.16
204-12	3/4						1/4-28UNF						0.16
SA205	25	52	31	21.5	15	7.5	M6x1	4.8	13.5	38.1	10780	6980	0.20
205-13	13/16						1/4-28UNF						0.22
205-14	7/8												0.21
205-15	15/16												0.21
205-16	1												0.20
SA206	30	62	35.7	23.8	16	9	M8x1	6	15.9	44.5	14970	10040	0.30
206-17	1-1/16						5/16-24UNF						0.32
206-18	1-1/8												0.31
206-19	1-3/16												0.30
206-20	1-1/4												0.29
SA207	35	72	38.9	25.4	17	9.5	M8x1	6.8	17.5	55.6	19750	13670	0.42
207-20	1-1/4						5/16-24UNF						0.46
207-21	1-5/16												0.43
207-22	1-3/8												0.42
207-23	1-7/16												0.41
SA208	40	80	43.7	30.2	18	11	M8x1	6.8	18.3	60.3	22710	15940	0.60
208-24	1-1/2						5/16-24UNF						0.58
208-25	1-9/16												0.60
SA209	45	85	43.7	30.2	19	11	M8x1	6.8	18.3	63.5	24360	17710	0.76
209-26	1-5/8						5/16-24UNF						
209-27	1-11/16												
209-28	1-3/4												
SA210	50	90	43.7	30.2	20	11	M8x1	6.8	18.3	69.9	26980	19840	0.91
210-29	1-13/16						5/16-24UNF						
210-30	1-7/8												
210-31	1-15/16												
210-32	2												
SA211	55	100	48.4	32.5	21	12	M10x1.25	8	20.7	76.2	33370	25110	1.26
211-32	2						3/8-24UNF						
211-33	2-1/16												
211-34	2-1/8												
211-35	2-3/16												
SA212	60	110	53.1	37.2	22	13.5	M10x1.25	8	22.3	84.2	36740	27970	1.70
212-36	2-1/4						3/8-24UNF						
212-37	2-5/16												
212-38	2-3/8												
212-39	2-7/16												

Bearing Units

