CAT-E-2011P

LDK BEARINGS

PALIERS

GEHÄUSELAGER

CHUMACERA

SOPORTES

SUPPORTI

Mounted Bearing Units & Pillow Block Bearings








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LDK DEYUAN BEARING MANUFACTURING Co.,LTD

LDK-DEYUAN Bearing Industrial Co. Ltd is the high-Tech enterprise and professional manufacturer of different kinds of ball bearing units and rod end bearings. Our advantage is to meet customer*s special requirement per their application by different kind of material combination. The company has developed successfully All stainless steel mounted units, Thermoplastic bearing housing, All stainless steel rod ends, Slot injection molded rod ends, all plastic rod ends and Zinc alloy miniature bearing units etc which have been widely used in different kind of industry and enjoy good reputation home and abroad.

Through years' development, LDK has set up a royal work and engineering team. The advanced production facilities, the perfect QC facilities, the strict quality control system and the abundant capability of R&D have made a very strong foundation for the company's continuous progress. The company focuses on "People-oriented" and innovation and actively accumulates elites while training recruiting. The company keeps developing new products in order to meet different kind of demands.

In 2011,the company has brought in fully automatic casting production line, automatic bearing assembly line and developed automatic processing machinery for housing with its own intellectual property rights(patent pending). With bore grinding machinery coming into force, the dimensional accuracy, roundness and roughness of the inner diameter of the bearing housing are improved significantly; therefore lead our product precision grade to the same level of the top brands. Through years' effort, the company has successfully become a High & New Tech enterprise from a labor-intense enterprise and achieve requirement of "low carbon omission and environment friendly".

Our Products are widely used for the agriculture, textile, mining, food & beverage, pharmaceutical, chemical processing, printing, dyeing, airport, aviation, air-conditioning and various kinds of conveying and rolling devices. A domestic network of distributors, and distribution center exists throughout China, Our products are exported worldwide; LDK enjoys good reputation for its good quality.

LDK DEYUAN BEARING FACTORY is located in the developed economic zone of southeast China that enjoys superior geographical position and easy shipment access by sea and air.

LDK®

Contents

PILLOW BLOCKS

LOW SHAFT PILLOW BLOCKS

Pillow blocks are most extensively used among the bearing units , UCP, UCPE, UCAK and SBLP, SBLLP, these types are fixed to the shafts by means of the setscrews prepared in the innerring. While, NAP, SALP and SALLP types are fixed to the shafts by use of setscrews prepared in the eccentric locking collar. UKP type is mounted to the shafts by use of adapter sleeves.
Upon request, housings P200 series could be machined grooves on both sides to be mounted with metal covers for dust prevention and safety purpose.

TAP BASE PILLOW BLOCK

It has compact structure, saving mounting space. It can be fitted with bolts from the underneath of the base.

PEDSTAL BASE PILLOW BLOCK

It is one type of pillow blocks with a higher center height.

4 BOLT FLANGE

These bearing units are designed to fix at the sides of the machine which are vertical to the center of the shafts by means of 4 bolts. The mounting method is widely used in the machines. The setscrews , the eccentric locking collar and the adapter sleeve bearings have the same mounting method as the P housings do.

Upon request, housings F200 series could be machined grooves to be mounted with metal covers for dust prevention and safety purpose.

2 BOLT FLANGE

This type of housing is useful in saving space and weight. It can be installed by means of two bolts. The set bolt pitch is the same as that of the square flange type.

Upon request, housings F200 series could be machined grooves to be mounted with metal covers for dust prevention and safety purpose.

LF, FD, FW, LFTC, PFTD and PFTD-G type two-bolt flange units are for use with SB (or SB-G)and SA(or SA-G)type inserts only.

FCT and FCT-Gtype three-bolt flange units are for use with SB(or SB-G)and SA(orSA-G)type inserts only

ADJUSTABLE FLANGE UNIT

This type has a two-bolt base with one side adjustable, enabling distance from center of shaft to be varied.

3 BOLT FLANGE

This type has three set holes on only one side of the flange. This type of bearing unit is used where the mounting space is limited, and the housing can be fixed on only one side.

TAKE UP UNIT

This type is applied to the machines in which the center of main shaft needs free alignment.
Upon request, housings T200 series could be machined grooves on both sides to be mounted with metal covers for dust prevention and safety purpose.

FLANGE CARTRIDGE

These bearing units are installed in the holes on the side of the places where concentricity is demanded.
Upon request, housings FC200 series could be machined grooves to be mounted with metal covers for dust prevention and safety purpose.

CYLINDRICAL CARTRIDGE UNIT

The outer diameter of this housing is determined of the cylinder which is subjected to the precision grinding. This unit can be used as the normal bearing, utilizing the automatic center alignment. It is widely used in the place where the adjustment to the axial direction is needed or in the transmission shaft which is accompanied by the expansion and contraction.

HANGER UNIT

Hanger Bearing Unit is mounted on a frame work of a conveyor by means of screwed pipe. The housing is rigid but of the smallest possible size. Lubrication is achieved by means of nipple through tubing.

The design of UCSB is superior to UCP because of its exellent anti-vibration prosperities and easy to mount tightly onto machinery.

PLUMMER BLOCK

The split Plummer blocks from LDK combines high quality material and design to maximize bearing performance.
Refined features:
Ideal casting design of high strength, rigid and light-weight.
Precision machined bearing seat.
Multiple positioning of grease fittings.
Solid corners for locating rings.
Free surface for drain hole.

PRESSED STEEL HOUSING WITH BEARINGS

SBPP200 and SAPP200 type Pillow Blocks are types of which SA200 type with eccentric locking collar and SB200 type with setscrew bearings are assembled respectively into a two-piece pressed-steel housing.
SBPFL and SAPFL type has only two blot holes. It needs smaller mounting space. Its function is the same as the above-mentioned pressed pressed flange housings.

PRESSED STEEL HOUSING WITH BEARINGS

This type consists of two pieces of pressed steel plates, mounted with SA200 or SB200. It has light weight and simple structure, which is applied to the machine of which the rotating speed is low or medium, or the machine load is light.
This type has the same function as the pressed round flange housing, It can be used where the mounting space is limited, because it takes smaller space.

ZINC ALLOY HOUSED UNITS (SILVER SERIES)

Zinc alloy housed units
. **Compact and Light weight:** The feature permits high performance and space-saving machine and equipment design.
. **Easy & Quick to mount:** Eccentric locking collar and set screw ensure fast and positive locking of bearing to the shaft.
. **High sealing efficiency:** Bearings are effectively sealed with end caps for added protection of dust and humid,

THERMOPLASTIC HOUSING WHIT STAINLESS STEEL BEARINGS

LDK thermoplastic bearing housing is engineered to meet all your important demands such as frequent washdown, Corrosion resistance, Resistance to contaminants and so on.
Main features:
High quality reinforced PBT polymer.
Excellent low water absorption in particular comparison with Nylon.
Exceptional dimension stability due to low water absorption.

One piece solid base construction.
Seamless stainless bushings.
Operating temperature -35°C to 100°C.
Light weight.
Stainless steel grease nipples are standard as well as bolt holes
Also available with black oxide inserts and standard inserts
Color: White, Black and Green.

TP-SBPY
Housing material: Reinforced PBT or Nylon polymer.
Insert bearings: 52100 or stainless steel. Also available in black oxide upon request.
Refined design for applying closed and open caps in material of reinforced plastic.
Load rating: stronger or equal to pressed steel and cast iron housings.

WATER PROOF THERMOPLASTIC HOUSING

WP housings
LDK Water-proof bearing housing is a refined design with main advantages:
Excellent corrosion resistance.
Good resistance to dirt and dust.
Easy cleaning
High vibration resistance.
Light weight
Low maintenance
Long life.

STAINLESS STEEL MOUNTED BEARING UNITS

LDK Stainless steel mounted units are manufactured from a selected grade of stainless steel for optimal corrosion resistance plus high load carrying capacity. Excellent for food and beverage and other high-corrosive applications. These bearings are 100% stainless steel throughout: housings, balls, inner and outer races, cages, slingers, and set screws.

For SP/SF/SF200 series, LDK offers two main designs:

. Stainless steel housings **WITHOUT** mounting step(all closed surface structure).
The feature is ideal for **surface polishing** PLUS sanification.
End caps apply to SP/SF/SFL, back seals only apply to SF/SFL.
Solid base and hollow base are available for this design.

. Stainless steel housings **WITH** mounting step (conventional type).
Interchangeable with cast-iron mounted units.
SP200 is with solid base, SF/SFL are with hollow base.

LDK Stainless steel mounted units are manufactured from a selected grade of stainless steel for optimal corrosion resistance plus high load carrying capacity. Excellent for food and beverage and other high-corrosive applications. These bearings are 100% stainless steel throughout: housings, balls, inner and outer races, cages, slingers, and set screws.

STAINLESS STEEL SILVER SERIES (FYH)

Besides the main features of Zinc alloy housed units (Silver Series), Stainless Silver series are suitable for applications under adverse environmental conditions because of it's prosperities of high anti-corrosiveness plus high load carrying capacity .

SPHERICAL BALL BEARING INSERTS

UC200, UCX00 and UC300 Type Ball Bearings are assembled into the various housings. The bearing inner diameter surface is of cylindrical bore type and the setscrews are used to mount to the shaft.

SB200 type Ball Bearing is the smaller type of UC200 type bearing. It can be used in combination with any light duty housing. Though it is small in size, it has as high load bearing capacity as that of UC200 type bearing and the long service life.

NA200 type Ball bearing is assembled into the various housings and it has an eccentric collar on the outside of the inner ring for locking to the shaft. Like UC Type Bearing, it can be used in any place and maintains the long bearing service life.

SA200 type Ball Bearing is sealed on both sides with newly developed J and H type seals and it has an eccentric locking collar on the outside of the inner ring. It can be used for assembling use with any type of the housing for light duty.
UK200, and UK300 types Ball Bearings are assembled into the various housings with the adapter mounted. They are suitable to the long shaft or to the place where the shaft diameter precision is uneven, Since it is provided with the complete dust-proof mechanism, the bearing service life is surprisingly long.
SER200 type Ball bearing is prepared by providing the snap ring and lubrication groove at the outer diameter surface of CUC Type. The positioning arrangement with the bearing unit can be achieved easily and the construction of the housing can be also simplified.

STAINLESS STEEL BEARING INSERTS

DISC HARROW BEARINGS

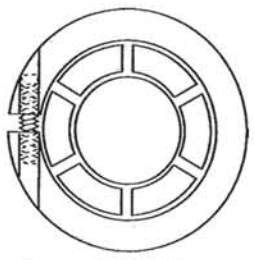
SURFACE TREATMENT TO BEARINGS AND HOUSINGS

HIGH TEMPERATURE BEARING UNITS 122

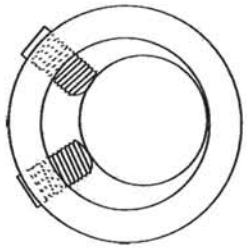
ADAPTER SLEEVE

LDK ACCU-GRIP® UE200 Series

Superior Locking Performance



True center line



No set screws to loosen or fail

LDK'S ACCU-GRIP® For quieter, smoother, more efficient running bearings under higher radial loads and a true center line.

True Centerline:

The inner race closes down on the shaft from all sides creating a true centerline resulting in even and constant balance.

Concentric Locking:

The uniform grip of the inner race to the shaft results in lower noise speeds and vibration level at high.

Quick and Easy Installation:

One step installation – only on cap screw to tighten down- in one position.

Shaft Protection:

The concentric locking force significantly reduces the chance of marring or damaging the shaft. Thus significantly reduce fretting corrosion. For stainless ACCU-GRIP series,due to this feature, it will significantly reduce bacteria and thus a better choice for food & beverage etc industry which requires high hygeian requirement.

More efficient fan balancing:

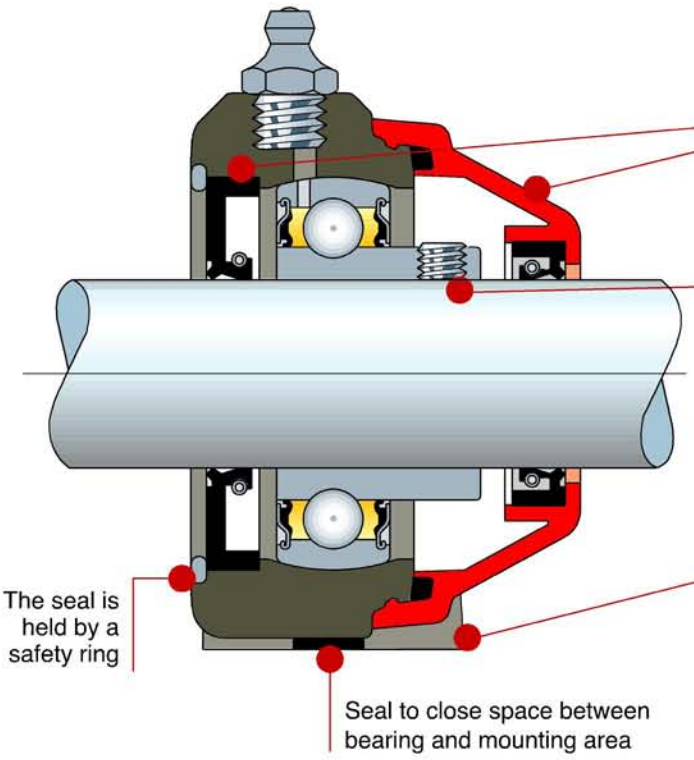
Because the ACCU-GRIP Ball Bearing is totally concentric with the shaft, it will not induce vibration into the fan/blower system and will reduce the fan OEM•s trim balancing time for high speed applications. No 1 choice for **HVAC** industry.

Reduced shafting costs:

The ACCU-GRIP Ball Bearing only requires commercial grade shafting tolerances. This can save approximately 40% in shafting costs versus turned, ground and polished shafting.

Available in all popular styles: Cast iron, Ductile iron, Stamped Steel, Stainless Steel and Thermoplastic.

LDK® Thermoplastic Bearing Units
Waterproof Series



Waterproof housing

The waterproof sealing system guarantees protection of the bearing from the external environment

Special Characteristics

Corrosion resistance, Resistance to food & liquid contaminants, adapt to frequent washdowns and Low weight element helps to meet your particular engineering demands.

Insert Bearnigs

To be assembled with chrome steel or stainless steel insert bearings to meet your particular budget and performance needs.

LDK® Anti-Bacterial protection series

a. Set Screw or Eccentric locking collar shaft locking.

b. Solid base design: ideal for sanification.

c. Material:

c1. Housing in reinforced plastic polymer (PBT/PA/PP) with anti-bacterial protection additive which is effective against most of common bacterial that may grow in foodstuff like E-coli, Salmonella etc.

C2. Protection caps in reinforced PP polymer with anti-bacterial protection additive which is effective against most of common bacterial that may grow in foodstuff like E-coli, Salmonella etc.

C3. Seal and O ring in NBR rubber. On request supplied in Viton rubber. Viton material offers high resistance to chemical agents.

C4. Grease nipple in stainless steel AISI 302.

C5. Seamless bushing on mounting holes in stainless steel AISI 316.

C6. Ordering example:

Anti-bacteria protection plastic housings with stainless steel insert bearings: ABTP-SUCP205

Anti-bacteria protection plastic housings with chrome steel insert bearings: ABWP-SBP205

STANDARD THERMOPLASTIC MOUNTED UNITS WITH ANTI-BACTERIA PROTECTION

Housing No	Unit No.			
	W / SS insert set screw type		W / SS insert eccentric locking type	
ABTP-P204 ~ 212	ABTP-SUCP204 ~ 212	ABTP-SSBP204 ~ 212	ABTP-SSAP204 ~ 212	ABTP-SNAP204 ~ 212
ABTP-F204 ~ 212	ABTP-SUCF204 ~ 212	ABTP-SSBF204 ~ 212	ABTP-SSAF204 ~ 212	ABTP-SNAF204 ~ 212
ABTP-FL204 ~ 212	ABTP-SUCFL204 ~ 212	ABTP-SSBFL204 ~ 212	ABTP-SSAFL204 ~ 212	ABTP-SNAFL204 ~ 212
ABTP-PA204 ~ 210	ABTP-SUCPA204 ~ 210	ABTP-SSBPA204 ~ 210	ABTP-SSAPA204 ~ 210	ABTP-SNAPA204 ~ 210
ABTP-T204 ~ 210	ABTP-SUCT204 ~ 210	ABTP-SSBT204 ~ 210	ABTP-SSAT204 ~ 210	ABTP-SNAT204 ~ 210
ABTP-FB204 ~ 210	ABTP-SUCFB204 ~ 210	ABTP-SSBFB204 ~ 210	ABTP-SSAFB204 ~ 210	ABTP-SNAFB204 ~ 210

WATER PROOF MOUNTED UNITS WITH ANTI-BACTERIA PROTECTION

Housing No	Unit No.
ABWP-P204 ~ 208	ABWP-SSBP204 ~ 208
ABWP-F204 ~ 208	ABWP-SSBF204 ~ 208
ABWP-FL204 ~ 208	ABWP-SSBFL204 ~ 208

SGS

CNAS L0599

Test Report No: SHFDO06110034 2ANE Date: Dec 19 2006

Client name: DE YUAN BEARING INDUSTRIAL CO., LTD.
Client address: XIPU INDUSTRY PARK, LUO JIANG DISTRICT, QUANZHOU, FUJIAN, P.R.CHINA

The following sample(s) was/were submitted by/ on behalf of the client as:
Sample name: THERMOPLASTIC BEARING HOUSING
Batch no.: 2006.11.25
Quantity: 6 pieces
Manufacturer: DE YUAN BEARING INDUSTRIAL CO., LTD.
SGS Job No.: SHFDO06110034 2AN
Date of receipt: Nov 27 2006
Testing period: Nov 27 ~ Dec 06 2006

TEST(S) REQUESTED:
Selected test(s) as requested by applicant:
Assessment of Antimicrobial activity

TEST METHOD(S):
JIS Z 2801:2000 Antimicrobial products - Test for antimicrobial activity and efficacy

TEST ORGANISM(S):
Staphylococcus aureus ATCC6538P, *Escherichia coli* ATCC8739

TEST RESULT(S):

Name of test bacteria (Strain number)	Concentration of bacteria (cfu/ml.)	The number of bacteria recovered from /	at "0h" contact time	at "24h" contact time	Log Value (Decrease value of bacteria)
Escherichia coli ATCC8739	1.3×10^6	Sample	/	< 10	> 5.69
		Control Sample	1.8×10^5	4.93×10^6	
Staphylococcus aureus ATCC6538P	1.3×10^6	Sample	/	< 10	> 4.86
		Control Sample	3.8×10^5	7.2×10^6	

Remark: The control sample is provided by SGS lab.

CONCLUSION:
Pass, *Staphylococcus aureus* bacteria reduction Log Value is > 4.86, *Escherichia coli* bacteria reduction Log Value is > 5.69, all comply with JIS Z 2801:2000 Specification for antimicrobial activity and efficacy of antimicrobial products (log value >2.0).

SAMPLE DESCRIPTION: White plastic piece in a bag

Page 1 of 1
*** End of Report***

Remark: This test report have been drafted in Chinese and maybe translated into other languages. The Chinese version (SHFDO06110034 2AN) shall prevail.

Signed for and on behalf of SGS

Authorized Signature

SHFD 122076

1. Features of LDK Ball Bearing Units

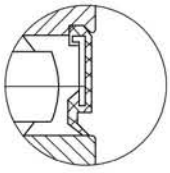
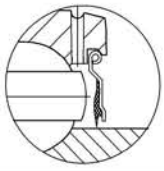
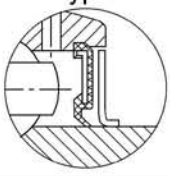
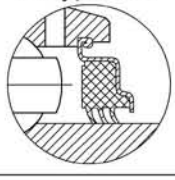
Spherical outside surface ball bearing units consist of inserts and housings, based on the methods of mounting the units to shafts, they can be divided into four types: the setscrews type, the adapter sleeve locking type, the eccentric locking collar type and the concentric locking type.

The housings have five types: Grey or Ductile Cast iron housings, pressed steel plate housings, thermoplastic housings,stainless steel housings and Zinc alloy die casting housings.

Spherical outside surface self-aligning ball bearing units are compact in design with perfect sealing devices.

All LDK ball bearing units have contact-type seals at both sides. The seals will vary according to the different types of bearings. By selecting the sealing devices, which is most suitable to the application condition, long bearing life can be guaranteed.

Sealing Devices: Table 1.

J type seal 	Synthetic rubber is baked to the core piece. It is inserted into the groove of the outer ring and then fitted on the inner ring outer diameter, thus it has low friction, high property in oil resistance and good mechanical stability.
H type seal 	This consists of a pressed steel seal with a vulcanized synthetic rubber sealing lip baked inside. The seal froms a tiny clearance with the outer diameter of the inner ring, thus can provide efficient protection against the dust, sand or other contaminants.
SL type seal 	Oil seal is fixed in the outer ring inner diameter groove, and the slinger is set at the inner ring outer surface. In addition, the simultaneous revolution with inner ring generates the wind pressure for dust-proof property. This constitutes the ideal labyrinth, so effective dust-proof property can be guaranteed.
TJ Seal 	The new design of “Step” slinger not only reinforces the rigidity of slinger but also increase the interior space between slinger and seal. This lead to less friction between slinger and seal when bearing facing pressure and therefore enable the bearing having a better sealing performance than “flat” slinger design.
L3 type seal 	This type consists of a metal cap and synthetic rubber seal, which are baked together to form a single seal. Seal lips have enough tightening allowance. In addition, the lip layers are of triple construction and outside matters, such as dust, water, etc., are shut out. This sealing system shows its outstanding function under bad conditions.

2. Ball Bearing Inserts

The spherical outside ball bearing inserts are sealed at both sides. The internal structure dimensions, chromium bearing steel balls and retainers are same as those of the deep groove ball bearings.

2.1 Material of Bearing Rings and Balls.

LDK'S insert ball bearings are available with material of Chromium steel and stainless steel.

2.1.1 Gcr15 Chromium Bearing inserts

The bearing rings and balls are made of GCr15 chromium bearing steel of which the chemical composition are shown in table 2.

Table 2. (%)

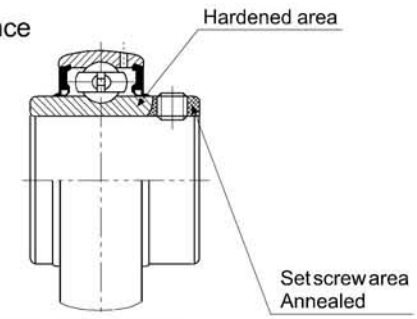
C	Cr	Si	Mn	S	P
0.95-1.05	1.30-1.65	0.15-0.35	0.20-0.40	-0.020	-0.027

The rockwell hardness for bearing rings are HRC58-64, for balls are HRC61-66, with high wear resistance and contact fatigue strength. For the inner ring of the setscrews type bearings, the hardness of the setscrews hole zone on the extended ends are less than HRC50 after annealing (CSB, SER SB, CSB series).

The inner rings of setscrews type bearings are special heat treated by the induction heating method. Therefore, the raceway of the inner ring is hardened completely through the ring, while the setscrews hole zone on the extended ends of the inner rings are softened (as indicated in drawing).

The bearings have two hardened setscrews with threads which are installed in the soft extension of the inner ring, thread contact is thereby attained for maximum holding power, since they can be sufficiently tightened without causing inner ring cracking.

This special heat treatment ensures the most efficient bearing performance and prevents the setscrews from loosening during operation.



2.1.2 Stainless Steel Bearing inserts

The bearing rings and balls are made of SUS440C stainless steel of which the chemical composition are shown in table 3.

Table 3.

C	Si	Mn	P	S	Cr	Mo	Ni
0.95-1.20	-1.00	-1.00	-0.04	-0.03	16.0-18.0	(-0.75)	(-0.60)

For material of components of stainless steel insert bearings, please see table 4

Table 4.

DESCRIPTION	MATERIALS
INNER & OUT RINGS	SUS440C
BALLS	SUS440C
SET SCREW	SUS304
RETAINER	SUS304
SLINGER & FRAME	SUS304+Silicone Rubber Seal
GREASE (please check with us for details)	Industry Grease or Food Grade Grease
OPERATING TEMPERATURE	-20C°~ +120C°

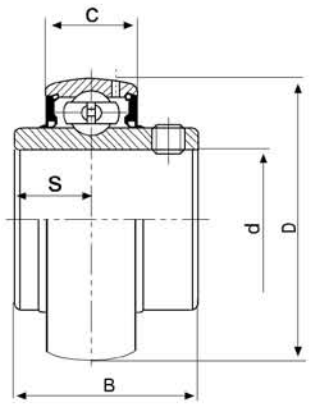
2.2 Bearings Tolerances

2.2.1 Outer Rings Toleraces

The outer rings tolerances, which are shown in Table 5, are the same as those for deep groove bearings.

Table 5. Outer rings tolerances (μ m)

D (mm)		△Dmp		Kea
over	incl.	high	low	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
250	315	0	-35	60



Notes:(1) △Dmp = the deviation of a single plane mean outside diameter of the outer ring.

(2) Kea = Radial runout of assembled bearing outer ring.

(3) D = Nominal outer ring outside diameter.

2.2.2 Inner Rings Tolerances

The inner rings tolerances are different from those of deep groove bearings. The values are shown in Table 6 and Table 7.

1) Tolerances for cylindrical bore bearing inner rings

Table 6. Cylindrical bore inner rings tolerances (μm)

d (mm)		△dmp		Kia	△Bs	
over	incl.	high	low	max.	high	low
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

Notes: (1) d = Nominal bore diameter

(2)△dmp = The deviation of a single plane mean bore diameter of the inner rings

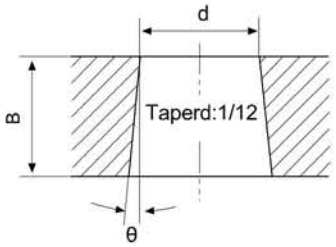
(3) Kia = Radial runout of assembled bearing inner ring

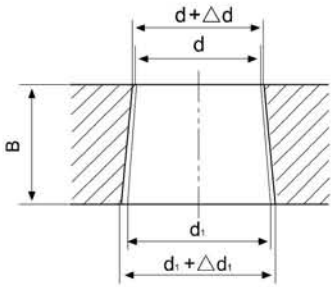
(4) △Bs = The deviation of a single width of inner ring

2) Tapered Bore Inner Rings Tolerances

Table 7. Tolerances on inner rings of tapered bore bearings (μ m)

d (mm)		△dmp		△d1mp-△dmp	
over	incl.	high	low	max.	min.
10	18	+27	0	+18	0
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	150	+63	0	+40	0





Notes: (1) d = Nominal bore diameter

(2) d_1 = Theoretical diameter of larger end of tapered bore

d_1 is obtained by following formula:

$d_1 = d+0.083333\ B$

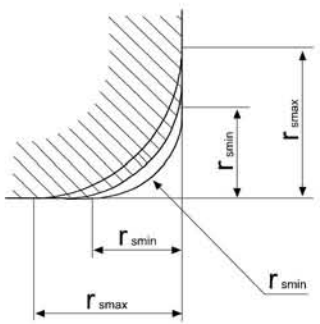
(3) B = Nominal inner ring width

(4) θ = The nominal taper angle = 2° 23' 9.4" = 2.38594°

(5) $\triangle_{dmp}$ = Variation of tolerance of average bore diameter in plane at theoretical small end of tapered bore.

(6) $\triangle_{d1mp}$ = Variation of tolerance of average bore diameter in plane at theoretical large end of tapered bore.

(7) $\triangle_{d1mp}$-$\triangle_{dmp}$ = Variation of tolerance of average bore diameter in planes between theoretical small and large end of tapered bore.



2.2.3 Chamfer Dimensions for Inner Ring

Table 8. Chamfer dimension limits (mm)

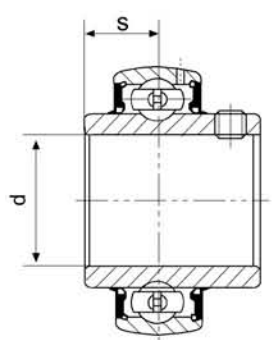
Nominal chamfer dimension r(min)	Radial direction max.	Axial direction max.	Chamfer Radius of Shaft r_a (max.)
1	1.5	3	1
1.5	2.3	4	1.5
2	3	4.5	2
2.5	3.8	6	2.5
3	5	8	3

2.2.4 Tolerances for Distance "S" From Center Line of Outer Ring to Side of Inner Ring

Tolerances for distance "S"between the radial plane passing through center of spherical surface of outer ring and a side of inner ring are shown in table 9.

Table 9. (μ m)

Nominal bore diameter d(mm)		Deviation △S
over	incl.	
--	50	±200
50	80	±250
80	120	±300



2.3 Radial Internal Clearance of Bearings

The radial internal clearance for the spherical outside suface ball bearings is usually greater than that of the same sizes of deep groove ball bearings. The clearance for the cylindrical bore bearings is shown in Table 10, (basic group which is equivalent to ISO9628:1992.) While the clearance for the taper bore bearings is shown in Table 11.

table 10. Radial internal clearance of cylindrical bore bearings (μm)

Nominal bore diameter d (mm)		Clearance (with setscrews or eccentric locking collars)					
		C2		Basic group		C3	
>	-	min.	max.	min.	max.	min.	max.
10	18	3	18	10	25	18	33
18	24	5	20	12	28	20	36
24	30	5	20	12	28	23	41
30	40	6	20	13	33	28	46
40	50	6	23	14	36	30	51
50	65	8	28	18	43	38	61
65	80	10	30	20	51	46	71
80	100	12	36	24	58	53	84
100	120	15	41	28	66	61	97
120	140	18	48	33	81	71	114

Table 11. Radial internal clearance of tapered bore bearings (μm)

Nominal bore diameter d (mm)		Clearance with tapered bore (UK200, UK300)					
		C2		Basic group		C3	
>	-	min.	max.	min.	max.	min.	max.
10	18	10	25	18	33	25	45
18	24	12	28	20	36	28	48
24	30	12	28	23	41	30	53
30	40	13	33	28	46	40	64
40	50	14	36	30	51	45	73
50	65	18	43	38	61	55	90
65	80	20	51	46	71	65	105
80	100	24	58	53	84	75	120
100	120	28	66	61	97	90	140
120	140	33	81	71	114	105	160

Notes: When the internal clearance of a bearing is measured, deformation occurs under loading, Therefore, to obtain the measeuring value clearance, add the below correction clearance to the radial clearance above.

table 12.

Bore dia. d (mm)		Measuring load	Radial clearance correction amount (μm)		
>	-	(N)	C_2	Normal	C_3
10	18	25	4	4	5
18	30	50	5	5	6
30	50	50	4	4	5
50	80	100	6	7	7
80	100	150	8	8	9

3. Bearing Housings

LDK's bearing Housings are available with Cast grey iron, Cast ductile iron, Stainless steel, Thermoplastic, Stamped steel and Zinc Alloy.

3.1 Material of Housings

3.1.1 Material for Cast Iron Housings

The material for cast iron housing is FCD200(grey iron) and FCD450/FCD400(ductile iron) of which the mechanical properties are shown in Table 13.

Table 13-(1).

No.	Major wall thickness of casting piece (mm)	Strain minimum stress $\overline{O}_b$ min (σb/Mpa)	Hardness (HBS)
FC200	>2.5-10	220	157-236
	>10-20	195	148-222
	>20-30	170	134-200
	>30-50	160	128-192

Table 13-(2).

No.	Tensile strength (σb/Mpa)	Yield strength (σ0.2/Mpa)	Hardness (HBS)
	min		For reference
FCD400	400	250	130-180
FCD450	450	310	160-210

3.1.2 Material of Zinc Alloy Housings

Zinc Alloy Die Casting

3.1.3 Material of Stainless Steel Housings

The material for Stainless Steel Housing is SUS304 Stainless steel of which the chemical composition are shown in following table 14.

Table 14. (%)

C	Si	Mn	P	S	Cr	Ni
≤0.07	≤1.00	≤2.00	≤0.035	≤0.030	17.00~19.00	8.00~11.00

3.1.4 Material of Thermoplastic housings

The material for thermoplastic housing is mainly reinforced PBT or PA polymer. PP polymer is used for end covers.

3.1.5 Material of stamped steel

Cold rolled steel sheet, Surface with electroplating treatment.

3.2 Tolerances on spherical inside diameter of housing

Table 15. Tolerances on spherical inside diameter (μm)

Nominal spherical inside diameter (mm)		H7		J7		K7	
		Dam		Dam		Dam	
Over	Incl.	High	Low	High	Low	High	Low
30	50	25	0	14	-11	7	-18
50	80	30	0	18	-12	9	-21
80	120	35	0	22	-13	10	-25
120	180	40	0	26	-14	12	-28
180	250	46	0	30	-16	13	-33
250	315	52	0	36	-16	16	-36

Notes

1. Dam=(Damax+Damin)/2

   Damax_Da maximum measured value of Da.

   Damix_Da minimum measured value of Da.

2. Diamensional tolerances for spherical inside diameter of housing are classified into H7 clearance fit, K7 for interference fit and J7 for intermediate fit between H7 and K7.

3. When H7 fit is applied, the self-contained bearings are equipped with locking-pins.

3.2.1 The fits between inserts and the housings

Under normal conditions, the fit between insert and housing, which can be supplied by us, is listed as follows:

Table 16.

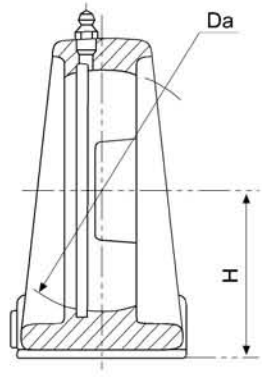
Housings No.	201-209 305-309 X05-X09	210-220 310-328 X10-X20
The fits between inserts and the housings	H7 J7	J7

For other requirements for the fits, the customers are required to mention them on their orders.

3.2.2 Tolerances for Pillow Block Housings Center Height

Table 17. (mm)

Housings NO.			Deviations △H	
Pillow Block	Pedestal Base Pillow Block	Tap Base Pillow Block	High	Low
P201-P210 P305-P310 AK201-AK210 PE201-PE210 PX05-PX09 LP201-LP208	PH201-PH210	PA201-PA210 PG201-PG210 PW201-PW210 PA201A-PA210A	+0.15	-0.15
P211-P218 PE211-PE215 P311-P319 AK211-AK215 PX10-PX17	PH211-PH212	PA211-PA212	+0.20	-0.20
P220 P320-P328			+0.30	-0.30



3.2.3 Tolerances for Flange Type Housings

Tolerances for Flange Type Housings are shown in Table 18.

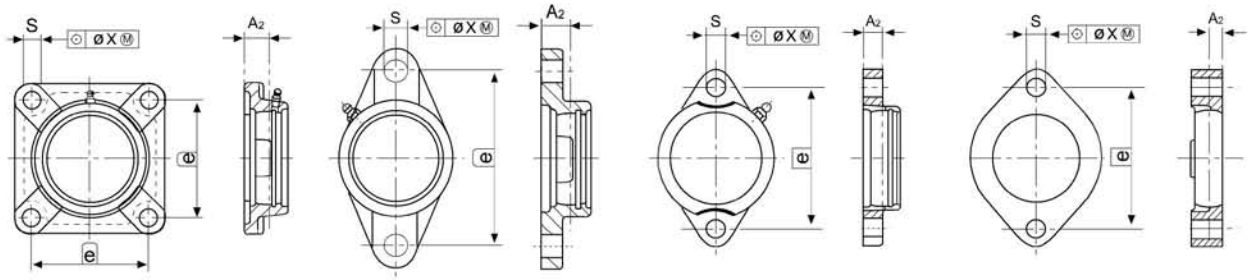
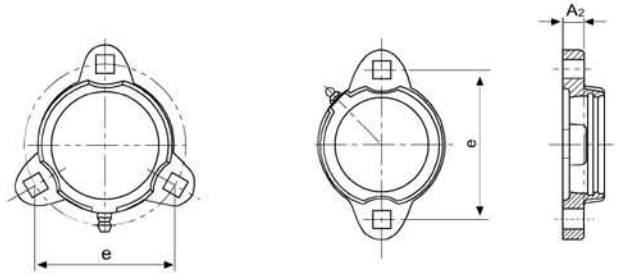


Table 18. (mm)

Housing No.							Deviations △A_2		Tolerances of position for mouting bolt holes
F,FU	F,FL	FL,FT,FLU	FX,FLX	LF	LFTC	FD,FW	high	low	X≤
203 204 205 206	-- -- 305 306	203 204 205 206	-- -- X05 X06	203 204 205 206	203 204 205 206	203 204 205 206	+0.52	-0.52	0.6
207 208 209 210	307 308 309 310	207 208 209 210	X07 X08 X09 X10	207 208	207 208	207 208	+0.52	-0.52	0.8
211 212 213 214 215 216 217 218	311 312 313 314 315 316 317 318	211 212 213 214 215 216 217 218	X11 X12 X13 X14 X15 X16 X17 X18				+0.62	-0.62	0.8
--	319 320 322 324 326 328	--	-- X20				+0.62	-0.62	1.0

3.2.4 PFTD, FCT

*Re-lub. Type PFTD , FCT Housings Available too.



(mm)

Housing NO.		Deviations △A_2		Tolerances of position for mouting bolt holes
PFTD	FCT	High	Low	△J
203-206	203-206	+0.52	-0.52	±0.70
207	207			±0.80

3.2.5 Tolerances for flange cartridge type housings

Tolerances for flange cartridge type housings are shown in Table 19.

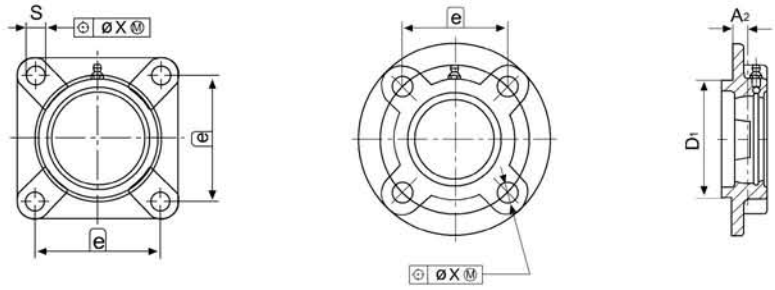
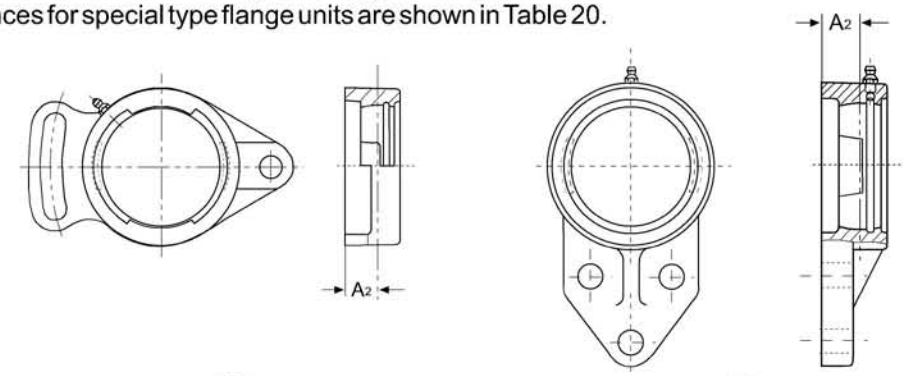


Table 19. (mm)

Housing No.		Deviations ΔA_2		Deviations ΔD_1		Radial runout of spigot joint	Tolerances of position for mouting bolt holes
FC	FS	high	low	high	low	t≤	X≤
203 204 205 206	305 306	+0.52	-0.52	0	-0.046	0.20	0.60
207 208 209 210	307 308 309 310			0	-0.054		0.80
211 212 213 214 215 216 217	311 312 313 314 315 316 317	+0.62	-0.62	0	-0.063	0.30	0.80
218	318	+0.62	-0.62	0	-0.072	0.30	0.80
	319 320 322 324 326 328	+0.62	-0.62	0	-0.072	0.40	1.00

3.2.6 Toblerances for special type flange units

Toblerances for special type flange units are shown in Table 20.



FA FB

Table 20. (mm)

Housings No.		Deviations ΔA_2	
FA	FB	High	Low
203-210	203-210	+0.52	-0.52
211-213	211-213	+0.62	-0.62

3.2.7 Tolerances for Cartridge Type Housings

Tolerances for Cartridge Type Housings are shown in Table 21.

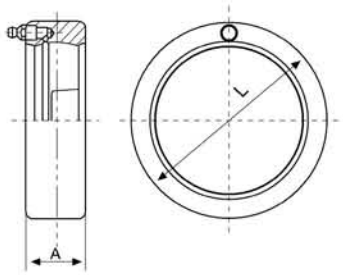


Table 21. (mm)

Housing No.		Deviation of outside diameter ΔL				Radial runout of spigot joint	Deviation ΔA	
		C200		C300				
C	C	high	low	high	low	t≤	high	low
203-205	305	0	-0.030	0	-0.035	0.20	+0.20	-0.20
206-208	306-308		-0.035					
209-210	309-310				-0.040			
211-213	311-314		-0.040			0.30	+0.25	-0.25
	315-318				-0.046			
	319					0.40	+0.30	-0.30
	320-322				-0.052			
	324-328							

3.2.8 Tolerances for Take-up Type Housings

Tolerances for Take-up type housings are shown in Table 22.

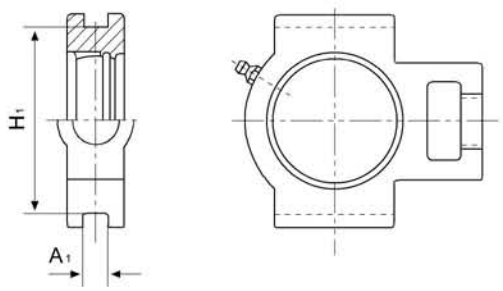


Table 22. (mm)

Housings No.				Deviations Δ A1		Deviations Δ H1		Parallelism of sliding slot
T200	ST200	TX	T300	high	low	high	low	X≤
203-210	203-210	05-09	305-310	+0.5	-0.25	+0.25	-0.25	0.50
211-218	211-218	10-17	311-318	+1.0	-0.25	+0.25	-0.25	0.60
			319-322	+1.0	-0.25	+0.25	-0.25	0.70
			324-328	+1.0	-0.25	+0.25	-0.25	0.80

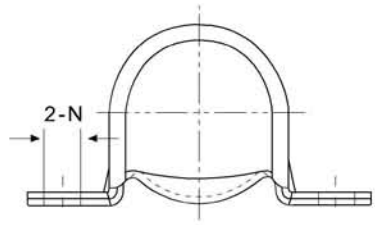
3.3 Pressed Housings.

3.3.1 Tolerances for Pressed Pillow Type Housings

Tolerances for Pressed Pillow Type Housings are shown in Table 23.

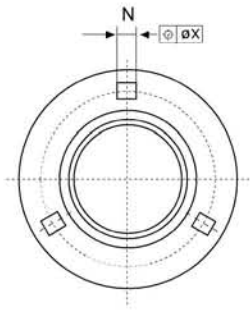
Table 23. (mm)

Housing No.	Deviation of mounting bolt hole diameter Δ N	
	high	low
PP203 PP204 PP205 PP206 PP207	+0.25	-0.25

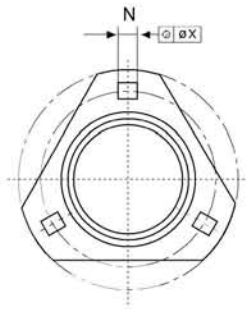


3.3.2 Tolerances for Pressed Round and Oval Flange Type Housings.

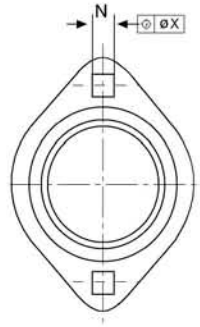
Tolerances for Pressed Round and Oval Flange Type Housings are shown in Table 24.



PF



PFT



PFL

Table 24. (mm)

Housings No.	Deviation of length of square for mounting bolt holes Δ N		Tolerances of position for mounting bolt holes X
	high	low	
PF203 PFL203 PFT203 PF204 PFL204 PFT204 PF205 PFL205 PFT205 PF206 PFL206 PFT206 PF207 PFL207 PFT207 PF208 PFL208 PFT208	+0.25	-0.25	0.4

4. Selection of Ball Bearing Units

The bearing size is usually selected according to the required bearing life and reliability under a specified type of load charged on the bearing.

The load applied to the bearing operating under a static or slow oscillating and rotating (n-10r/min) condition is defined as static load, while the load applied to the bearing operating under a speedy rotating (n>10r/min) condition is defined as dynamic load.

The load capacity of the bearing is expressed by the basic dynamic load rating and basic static load rating which is shown in the bearing table. (B97~B115)

Ball bearing units are used widely. Under normal operating conditions, the period of time until grease deterioration and rolling fatigue occurs may be roughly estimated, and are respectively called the grease life and rolling fatigue life.

Under normal mounting, lubricating and maintaining conditions, the operating bearings will have fatigue flaking due to the repeating action of variable load charged on the contact area between the rings and rolling elements. Generally, the fatigue flaking is the cause of normal damage of rolling bearings. Therefore, the usually said bearing life refers to the bearing fatigue life.The life of a group of apparently identical bearings operating under identical conditions is in confirming with a certain statistical regularity as the life of individual bearings show a considerable dispersion. For this reason, the bearing life is closely connected with the damaging probability or the reliability requirement.

4.1 Basic Load Rating and Life

Basic dynamic load rating: The basic dynamic load rating is defined as the constant load applied to a bearings with stationary outer rings that the inner rings can endure for a rating life of one million revolutions (10_6 rev.).

Life: The life of a rolling bearing is defined as the total number of revolutions which the bearing is capable of enduring before the first evidence of fatigue flaking develops on any one of the rings or rolling elements.

Reliability: The raliability is the percentage of the bearing of a group of apparently identical bearings operating under identical conditions which can expect to attain or exceed a certain defined life. The reliability of an individual bearing is the probability of the bearing to attain or exceed a defined life.

Basic rating life L_{10} : For a group of apparently identical rolling bearings operating under identical conditions, the basic rating life is defined as the total number of revolutions that 90% of the bearings can be expected to complete or exceed.

The basic rating life L_{10} estimation for ball bearings with different speeds and ratios is shown in page A28.

4.2 Bearings Selection According to Basic Dynamic Load Raring

4.2.1 Basic Rating Life

The fatigue rating of deep groove ball bearings is calculated by following formula:

$$L_{10} = \left(\frac{Cr}{Pr}\right)^3$$

or $$\frac{Cr}{Pr} = L_{10}^{1/3}$$

Where L_{10} = basic rating life (10^6 r)

Cr = basic dynamic load rating (N)

Pr =equivalent dynamic bearing load (N)

The basic dynamic load rating C is a hypothetical constant load with a fixed direction under which the bearing can attain a basic rating life of one million revolutions. For radial bearing, the load refers to the radial load.

The equivalent dynamic bearing load P is a constant load with a fixed direction under which the bearing life is identical to that of the bearing operating under actual load.

For a bearing operating with a constant rotation speed,

the basic rating life can be expressed in terms of operating hours:

$$L_{10h} = \frac{10^6}{60n}\left(\frac{C}{P}\right)^3$$

or $$L_{10h} = \frac{10^6}{60n} L_{10}$$

$$= \frac{16666}{n}\left(\frac{C}{P}\right)^3$$

Where L_{10h} = basic rating life (h)

n = bearing operating speed of rotation (r/min)

For easier calculation, 500 hours as base of rating life is taken,

and the speed factor f_n and the life factor f_n is introduced:

$$f_n = \left(\frac{33\frac{1}{3}}{n}\right)^{1/3}$$

$$f_n = \left(\frac{L_{10h}}{500}\right)^{1/3}$$

In this way, the formula is simplified to

$$C = \frac{f_h}{f_n} P$$

The values of f_n and f_h can be found in

Fig. 1 by referring to the operation speed n

and the anticipated bearing service life L_{10h}.

Then, with the radial load (or the equivalent

dynamic bearing load), the basic dynamic

load rating can be determined. By this way,

the bearing size can be determined according

to the basic dynamic load rating value in the bearings Table. (B97~B115)

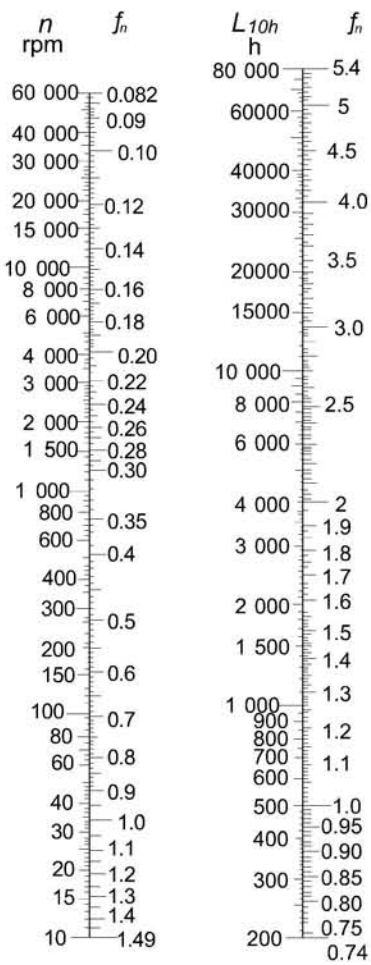


Fig.1

If the bearing operates under indeterminate loads and rotation speed, the following formula should be applied when calculating the bearing life:

$$P_m = \sqrt[3]{\frac{1}{N}\int_0^N P^3 dN}$$

Where P_m = mean equivalent dynamic bearing load (N)

P = equivalent dynamic bearing load (N)

N = total revolution numbers within one load changing cycle (r)

4.2.2 Anticipated Bearing Service Life

When selecting a bearing, one should usually predetermine an appropriate service life according to the relevant machine type, operating conditions and reliability requirement. Generally speaking, the anticipated bearing service life can be determined by referring to the maintenance period of a machine.

4.2.3 Calculation Method of Equivalent Dynamic Bearing Load P

The basic equivalent dynamic bearing load is determined under a hypothetical condition. When calculating the bearing life, the actual load has to be converted into equivalent dynamic bearing load which is in confirmity with the load condition determining the equivalent dynamic load rating.

General equation for calculating the equivalent dynamic bearing load:

$$P = X F_r + Y F_a$$

Where P = equivalent dynamic bearing load (N)

F_r = actual radial load (N)

F_a = actual radial load (N)

X = radial factor

Y = thrust factor

The values of X and Y are determined by the ratio between the applied axial load F_a and the basic statis load rating C_0. The axial load which the spherical outside surface bearings can carry is determined by the mouting method of the bearing on the shafts.

For the setscrews locking type or eccentric locking collar type bearings, if flexible shafts are applied and the setscrews are tightened enough (See Table 38 for reference torque), the axial load F_a which the bearing can carry must not surpass 20% of the radial load F_r.

For the adapter sleeve locking type bearing, if the nuts are properly tightened, the axial load F_a can be maximum 15% to 20% of the radial load.

The values of radial and thrust factors X and Y for spherical outside surface ball bearings can be obtained from the following table:

Table 25.

$\frac{F_a}{C_0}$	$\frac{F_a}{F_r} \le e$ $P = F_r$		Clearance for group 2			Clearance for normal group			Clearance for group 3		
			$\frac{F_a}{F_r} > e$		e	$\frac{F_a}{F_r} > e$		e	$\frac{F_a}{F_r} > e$		e
	X	Y	X	Y		X	Y		X	Y	
0.025	1	0	0.56	2.0	0.22	0.46	1.75	0.31	0.44	1.42	0.4
0.04	1	0	0.56	1.8	0.24	0.46	1.62	0.33	0.44	1.36	0.42
0.07	1	0	0.56	1.6	0.27	0.46	1.46	0.36	0.44	1.27	0.44
0.13	1	0	0.56	1.4	0.31	0.46	1.30	0.41	0.44	1.16	0.48
0.25	1	0	0.56	1.2	0.37	0.46	1.14	0.46	0.44	1.05	0.53
0.5	1	0	0.56	1	0.44	0.46	1	0.54	0.44	1	0.56

When twist load is applied to the bearings, the equivalent dynamic bearing load is calculated by:

$$P_m = f_m \cdot P$$

Where P_m = equivalent dynamic bearing load when considering twist load

f_m = twist load factor, which is defined as follows:

when the twist load is small: $f_m = 1.5$

when the twist load is big: $f_m = 2$

When shocking load is applied to the bearings, the equivalent dynamic bearing load can be calculated by the following equation:

$$P_d = f_d \cdot P$$

Where P_d = equivalent dynamic bearing load when considering shocking load

f_d = shocking load factor, which is defined as follows:

When no shocking load or minor shocking load is applied:

$$f_d = 1 \sim 1.2$$

When adequate shocking load is applied;

$$f_d = 1.2 \sim 1.8$$

4.3 Example of bearing size selection

One ball bearing is to operate at a rotation speed of 1000 r/min under only a radial load of F_r = 3000 N, with a basic rating life of at least 20000 hours, select the bearing size.

From the required rotation speed, it can be found that:

f_n =0.322 (Fig 1. shows about 0.32)

From the required basic rating life (anticipated service life), at least 20000 hours, it can be found that:

f_n = 3.42 (Fig 1. shows about 3.4)

Under only a radial load, i.e.,

$$P = F_r = 3000(N)$$

Therefore,

$$C = \frac{f_h}{f_n} P$$

$$= \frac{3.42}{0.322} \times 3000 = 31863\,(N)$$

A simplified way to calculate the bearing life can be applied by using Fig 2.

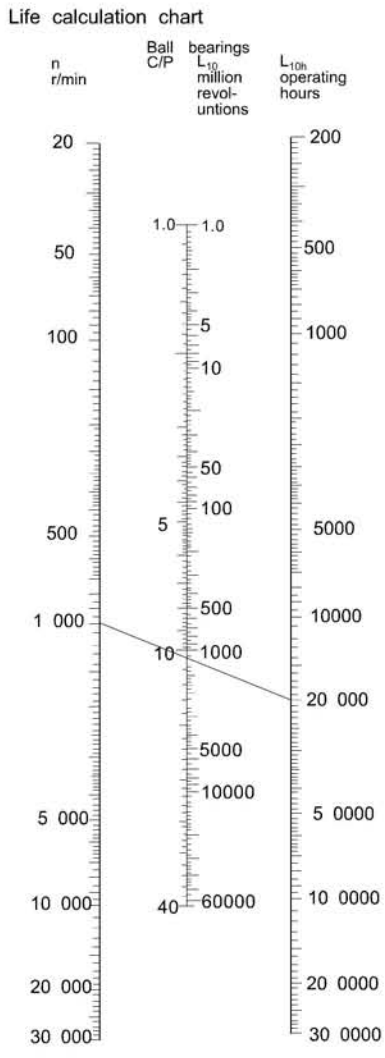


Fig.2

By connecting n (1000r/min) and the required basic rating life L_{10h}(20000 hours) with a straight line, it can be found that C/P value is 10.6, As is known, $P = F_r$=3000 N, thus the required basic dynamic load rating is:

$$\frac{C}{P} = 10.6$$

$$C = 10.6P$$

$$= 10.6 \times 3000 = 31800\,(N)$$

In this way, we can select the bearing fron range shown on the catalogue page. (B97~B115)

4.4 Adjusted Rating Life Equation

The basic rating life L_{10} calculated with the bearing life calculation formula can be applied to calculate the rating life of bearing made of ordinary bearings steel (i. e., bearing life with raliability of 90%.)

Due to more and more of machinery products demanding higher reliability and better quality steel, GB/T6391-1995 (equalling to ISO281:1990) suggested an adjusted rating life calculation equation, i. e.,

$$L_{na} = a_1 \cdot a_2 \cdot a_3 \cdot L_{10}$$

For the deep groove ball bearings:

$$L_{na} = a_1 \cdot a_2 \cdot a_3 \left(\frac{C}{P}\right)^3$$

Where L_{na} = under specified material and lubricating conditions, bearing life with (100-n) % no breaking probability (i.e. reliability)

a_1 = life adjustment factor for reliability (Table 26.)

a_2 = life adjustment factor for materials (Table 27.)

a_3 = life adjustment factor for operating conditions (Table 28.)

Table 26. Life adjustment factors for reliability a_1

Reliability%	90	95	96	97	98	99
L_n	L_{10}	L_5	L_4	L_3	L_2	L_1
a_1	1	0.62	0.53	0.44	0.33	0.21

Table 27. Life adjustment factors for materials a_2

Normal chromium bearing steel	$a_2=1$
Special smelted bearing steel- vacuum degassed bearing steel ($a_3 \leqslant 1$)	$a_2>1$
When material hardness lowered by high frequency tempering	$a_2<1$

Table 28. Life adjustment factors for operating conditions a_3

When under normal operating conditions, i.e.: Properly mounted; sufficiently lubricated; Without outside matters intrusion.	$a_3=1$
When under operating temperature, the ball bearing lubricating grease viscosity is lower than 13mm²/s. The bearing operating under lower speed $D_{pw} \cdot n < 10000$ (mm • r/min). D_{pw} = pitch circle diameter of rolling elements.	$a_3<1$

5. Lubrication and Operating Temperature

5.1 Lubricants

The industry lithium based N0.2 lubricating grease defined in GB7324 "Lithium based lubricant grease" is sealed in the spherical outside surface ball bearings during manufacturing. Its physical and chemical properties are shown in table 29.

Table 29.

Density (1/10mm)	Without operation	265~295
Dropping point (°C)		≥175
Mechanical impurities (pc/cm^3)	10-25μm 25-75μm 75-125μm above 125μm	Within 5000 Within 3000 Within 500 0

5.2 Operating Temperature.

The bearings usually operate below the temperature of 120°C (the measuring temperature of the outer ring is 100 °C). Grease life reduction has to be taken into account when the bearings continue to operate at a temperature above 70 °C. The lowest operating temperature should not be lower than -20 °C.

For higher or lower temperature application , please consult us for futher information.

5.3 Relubricate Period

Under normal operating condition, the grease should conform to the life of the bearings. Relubricatable type bearing units must be periodically greased to assure long life.

The greasing interval is dependent on the bearing running speed, operating temperatures and ambient conditions.

The following table shows the standard relubrication period.

Table 30.

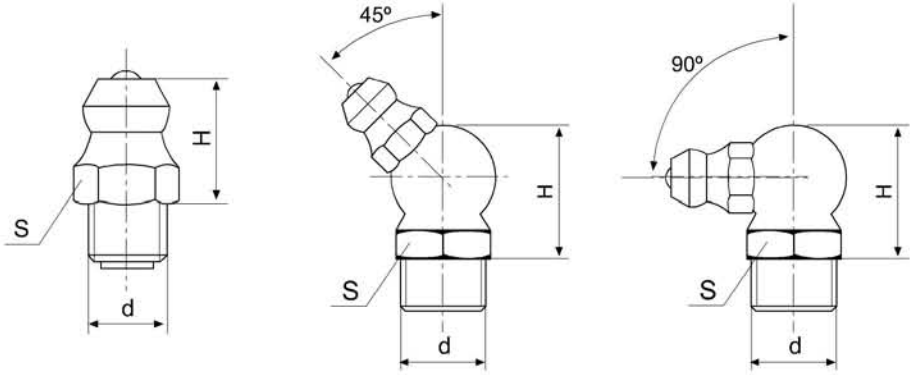
dn Value	Cleanliness	Temperature		Greasing interval
		°C	°F	
40,000 and below	Clean	-15~65 Up to 65~100	+5~150 Up to 150~210	6 to 12 months 2 to 6 months
Up to 40,00 ~70,000 and below	Clean	-15~65 Up to 65~100	+5~150 Up to 150~210	2 to 6 months 1 months
Any dn value	Dirty	Up to 65 Over 65	Up to 150 Over 150	1 weeks. to 1 months 1 day to 2 weeks.
Any dn value	Very Dirty	Any temp	Any temp	1 day to 2 weeks.
Any dn value	Exposed to water splashes	Any temp	Any temp	Every day

5.4 Grease Fittings

The grease nipples supplied by LDK bearing units are classified as A type (straight), B type (type 45°) and C type (type 90°) made of brass , steel or stainless steel. Grease nipple types for LDK standard bearing untis are given in table 31. The availability of the grease nipple dimensions and designation to each type is M6xl, M8x1, 1/4-28UNF, 1/8-27NPT and G1/8, as given in table 32. If any, the customers are required to order with the specified dimensions and designations.

Table 31. Grease nipple types fot LDK standard bearing units

Housings No.	Grease fitting type and dimension
203~210 305~309 X05~X09	A Type, M6x1
211~218 310~320 X05~X20	A Type, M8x1
322-328	A Type, M10x1



A Type B Type 45° C Type 90°

Table 32. Grease nipple dimensions and designations of applicable bearing units

Grease fitting Type	d	H (mm)	S (mm)
A type	M6x1	8	7
	M8x1	9	10
	M10x1	10	11
	1/4-28UNF	8	7
	G1/8	10	10
	NPT1/8	10	10
B type 45°	M6x1	15	10
	M8x1	15	10
	1/4-28UNF	15	10
	G1/8	15	10
C type 90°	M6x1	15	10
	M8x1	15	10
	1/4-28UNF	15	10
	G1/8	15	10

6. Limiting Speed

The limiting speed of the ball bearing units are mainly determined by the fit between the bearings and the shafts. Under normal conditions, the fit for the setscrews type and eccentric locking collar type bearing unit is h7. h8 or h9 fit is applied when with light load and slow speed, while tighter fit j7 is applied when with heavy load and high speed. The shaft applied to the adapter sleeve bearing is h9 class, with IT5 class tolerances.

The speed ratings for ball bearing of series UD2(00)-2RS are the same as deep groove ball bearings which are shown in Table 33.

The limiting speeds for the ball bearing units with different fits are shown in Table 33.

Table 33. Limiting Speed (r/min)

d (mm)	200 Series Shaft Tolerances				300 Series Shaft Tolerances				CS200-2RS
	j7(h9/IT5)	h7	h8	h9	j7(h9/IT5)	h7	h8	h9	
12	6700	5300	3800	1400	--	--	--	--	--
15	6700	5300	3800	1400	--	--	--	--	11000
17	6700	5300	3800	1400	--	--	--	--	10000
20	6000	4800	3400	1200	--	--	--	--	9000
25	5600	4000	3000	1000	5000	3600	2600	900	8000
30	4500	3400	2400	850	4300	3000	2200	800	6700
35	4000	3000	2000	750	3800	2800	2000	700	6000
40	3600	2600	1900	670	3400	2400	1700	630	5600
45	3200	2400	1700	600	3000	2200	1500	560	5000
50	3000	2200	1600	560	2600	2000	1400	500	4800
55	2600	2000	1400	500	2400	1800	1300	450	--
60	2400	1800	1200	450	2200	1700	1100	430	--
65	2200	1700	1100	430	2000	1500	1100	400	--
70	2200	1600	1100	400	1900	1400	1000	360	--
75	2000	1500	1000	380	1800	1300	900	340	--
80	1900	1400	950	340	1700	1200	850	320	--
85	1800	1300	900	320	1600	1100	800	300	--
90	1700	1200	800	300	1500	1100	750	280	--
95	--	--	--	--	1400	1000	700	260	--
100	--	--	--	--	1300	950	670	240	--
105	--	--	--	--	1200	900	630	220	--
110	--	--	--	--	1200	800	600	200	--
120	--	--	--	--	1100	750	530	190	--
130	--	--	--	--	1000	670	480	180	--
140	--	--	--	--	900	600	430	160	--

Note: The h9/IT5 column fit for adapter sleeve type ball bearing units, and the rest j7 ~ h9 column fit for the setscrews type and eccentric locking collar type ball bearing units.

7. Shaft Design

The ball bearing units are provided with two hexagonal setscrews 120° apart on one side of the inner rings. Under normal operating conditions, the inner rings are mounted on shafts by means of a loose fit to ensure convenience of installation. In this case, the dimensional accuracy of the shafts is shown in Table 34.

Table 34. Dimensional accuracy of the shafts to be used in the cylindrical bore bearings (Loose fit) (μm)

Shaft Diameter (mm)		Deviation of tolerance in shaft									
		for lower speed		for medium speed		for rather high speed		for high speed			
		h9		h8		h7		j6		h6	
over	incl.	max.	min.	max.	min.	max.	min.	max.	min.	max.	min.
10	18	0	-43	0	-27	0	-18	+8	-3	0	-11
18	30	0	-52	0	-33	0	-21	+9	-4	0	-13
30	50	0	-62	0	-39	0	-25	+11	-5	0	-16
50	80	0	-74	0	-46	0	-30	+12	-7	0	-19
80	120	0	-87	0	-54	0	-35	+13	-9	0	-22

When the ball bearing units are used at a high speed or under heavy load, the inner rings of the ball bearings should be mounted to the shafts by means of a tight fit. As shown in Table 35.

Table 35. Dimensional accuracy of the shafts to be used in the cylindrical bore bearings (Tight fit) (μm)

Shaft Diameter (mm)		Deviation of tolerance in shaft							
		for higher speed		for rather heavy load		for highest speed		for heavy load	
		m6		m7		n6		n7	
over	incl.	max.	min.	max.	min.	max.	min.	max.	min.
10	18	+18	+7	+25	+7	+23	+12	+30	+12
18	30	+21	+8	+29	+8	+28	+15	+36	+15
30	50	+25	+9	+34	+9	+33	+17	+42	+17
50	80	+30	+11	+41	+11	+39	+20	+50	+20
80	120	+35	+13	+48	+13	+45	+23	+58	+23

Some bearings can be installed to the shafts by means of adapter sleeves. In this method, the bearing bore is made of 1:12 taper and the corresponding tapered adapter sleeves are applied. This is a convenient method that can be used as the intermediate bearings of a long shaft. In this case, the dimensional accuracy of shafts is shown in Table 36.

Table 36. Dimensional accuracy of shafts to be used in tapered bore bearings (μm)

Shaft Diameter (mm)		Deviation of tolerance in shaft			
		for short shaft		for long shaft	
		h9		h10	
over	incl.	max.	min.	max.	min.
10	18	0	-43	0	-70
18	30	0	-52	0	-84
30	50	0	-62	0	-100
50	80	0	-74	0	-120
80	120	0	-87	0	-140
120	180	0	-100	0	-160

Most industrial fans operate at high speeds. The inner ring of the ball bearing units should be mounted to the shafts by means of h5 or j5 fit, As shown in table 37.

Table 37. Dimensional accuracy of shafts for **HVAC** industry (μm)

Shaft Diameter (mm)		Deviation of tolerance in shaft			
		h5		j5	
over	incl.	max.	min.	max.	min.
18	30	0	-9	+5	-4
30	50	0	-11	+6	-5
50	80	0	-13	+6	-7
80	100	0	-15	+6	-9

8. Mounting of Bearings on Shafts

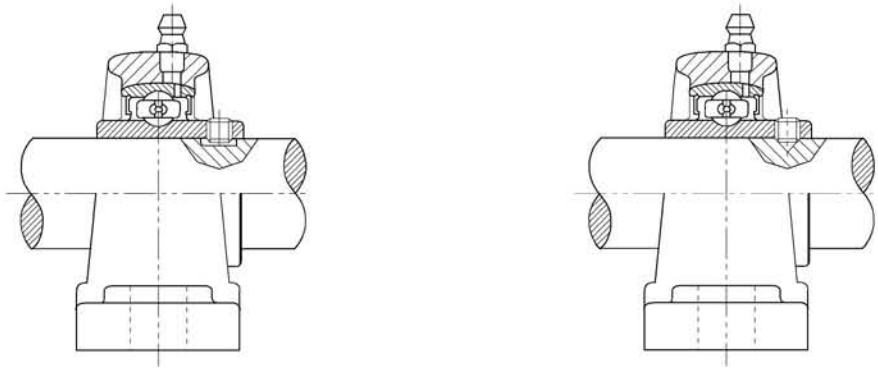
8.1 Setscrews Locking Type Bearings

There are two setscrews located at two places on one side of the wide inner ring 120° apart with which the bearings can be mounted to the shafts. When mounting the bearings to the shafts, the torque shown in the table 38 is recommended to tighten the setscrews to shafts.

Table 38. Proper tightening torque of setscrews

Bearings No.			Setscrews (mm)	Tightening torque N•m(max)	Setscrews (in.)	Tightening torque 1bf•in(max)
UC201~UC203		SB201~SB204	M5X0.8	3.9	10-32UNF	32
UC204~UC206	UC305~UC306	SB205~SB207	M6X1	4.9	1/4-28UNF	43
UC207~UC209	UC307	SB208~SB209	M8X1	8.0	5/16-24UNF	70.5
UC210~UC213	UC308~UC309	SB210~SB212	M10X1.25	16.8	3/8-24UNF	148
UC214~UC218	UC310~UC314		M12X1.25	27.1	7/16-20UNF	235
	UC315~UC316		M14X1.5	34.3	1/2-20UNF	300
	UC317~UC319		M16X1.5	54.2	5/8-18UNF	478
	UC320~UC324		M18X1.5	58.0	5/8-18UNF	496
	UC326~UC328		M20X1.5	78.0		

In case of either the vibration is caused to the bearing: or 1) the alternating movement takes place, 2) the load applied to the bearings is large, 3) The shafts rotation speed is rapid, it is desired to provide with the filed seat or concave section at the part where the setscrews contact with the shafts. As shown in Fig. 3.



File the shaft surface where the setscrews are positioned

Make a concave section at the shaft surface where the setscrews are positioned

Fig. 3

8.2 Adapter Sleeves Locking Type Bearings

The inner ring bore of this type of bearings has a taper of 1 : 12. The sleeves are installed to an arbitrary position. After the shake proof washers are inserted, the correct nuts tightening condition can be obtained if they are tightened enough by hand and then rotated by 2/5 to 3/5 revolution with a spanner.

After tinghtening the nuts, bend the shake proof washers within the slots. Otherwise, the nuts may loosen and creep may happen between the shaft and sleeves.

It is necessary to ensure that the nuts are not over tightened. As shown in Fig. 4.

8.3 Eccentric Locking Collar Type Bearings

The eccentric part of the collars mates with the inner rings of the bearings which is made eccentric with the collars. When locked to the shafts by hand in direction of the shafts rotation , the eccentric locking collars tighten automatically to the shafts by force of working radial loads. Then, lock the setscrews provided on the collar to fix the eccentric collars to the shafts.

8.4 Mounting Method of Housings

The desired installation order is: first install the housing, then the shaft and bearing. The bearing units can be easily installed, in principle, at any place. However, in order to have a long sevice life, it is desired that the mounting base is flat and rigid.

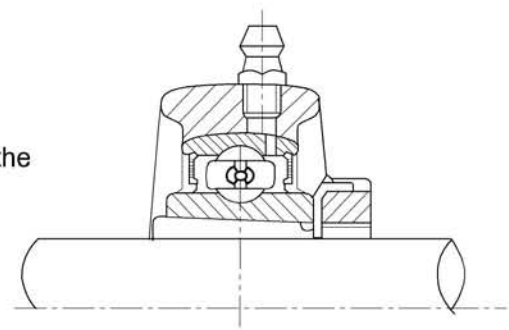


Fig.4.

The pillow block type and flange type housings are desired that the angle between the surface on which the housing is mounted and the shaft be maintained to a tolerance of ± 2° (Fig. 5).

When there are shields or seals on the bearing housing, the slanted angle which is the angle between the central line of bearing bore and the central line of bearing housing bore is required within ± 1°

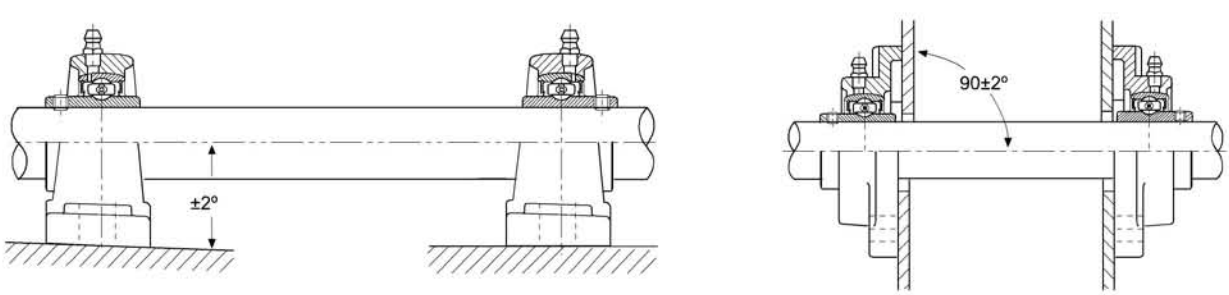


Fig.5.

8.5 Mounting Method of Take-up Units

The Take-up units are mounted on two parellel slides, bearing centers to be adjusted by adjustable bolts. The relevant parts dimensions are shown as Fig. 6.

Mounting tolerances are shown in Table 39 and Table 40.

Table 39 . (mm)

Take-up No.	H' ±0.5	A'	d	D	N
T204	77	11	16	28	12
T205	77	11	16	28	12
T206	90	11	18	32	12
T207	90	11	18	32	12
T208	103	15	24	42	14
T209	103	15	24	42	14
T210	103	15	24	42	14
T211	131	20	30	56	20
T212	131	20	30	56	26
T213	152	24	36	60	26
T214	152	24	36	60	26
T215	152	24	36	60	26
T216	167	24	36	60	26
T217	175	28	42	65	30

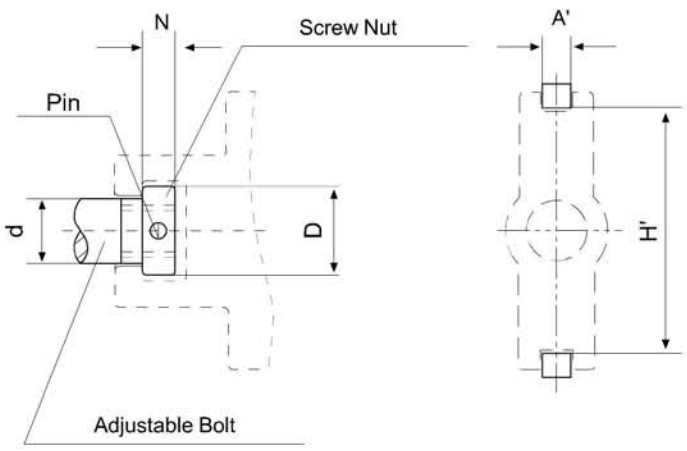


Fig.6

Table 40 . (mm)

Take-up No.	H' ±0.5	A'	d	D	N
ST204	77	12.5	16	28	12
ST205	77	12.5	16	28	12
ST206	90	12.5	18	32	12
ST207	90	12.5	18	32	12
ST208	103	16.5	24	42	14
ST209	103	16.5	24	42	14
ST210	103	16.5	24	42	14
ST211	131	25	30	56	20
ST212	131	25	30	56	26

9. Bearing Inserts - Life Estimation for Different Speeds and $\frac{C_r}{P_r}$ Ratios.

Table 41.

L_{10h} (hours)	C_r/P_r when speed n= (r/min)															
	50	100	200	300	500	750	900	1000	1500	1800	2000	2500	3000	4000	5000	6000
500	1.14	1.45	1.82	2.08	2.47	2.82	3.00	3.11	3.56	3.78	3.91	4.22	4.48	4.93	5.32	5.65
1000	1.44	18.2	2.29	2.62	3.11	3.56	3.78	3.91	4.48	4.76	4.93	5.31	5.65	6.21	6.70	7.11
1500	1.65	2.08	2.62	3.00	3.56	4.08	4.31	4.48	5.13	5.45	5.65	6.10	6.46	7.11	7.65	8.15
2000	1.82	2.29	2.88	3.30	3.91	4.48	4.76	4.93	5.65	6.00	6.21	6.69	7.11	7.81	8.43	8.96
3000	2.08	2.62	3.30	3.78	4.48	5.13	5.42	5.65	6.46	6.85	7.11	7.66	8.14	8.96	9.65	10.3
5000	2.47	3.11	3.91	4.48	5.32	6.08	6.46	6.70	7.66	8.14	8.43	9.09	9.65	10.6	11.5	12.2
7500	2.82	3.56	4.48	5.13	6.06	6.96	7.37	7.66	8.77	9.32	9.65	10.4	11.1	12.2	13.1	13.9
10000	3.11	3.91	4.93	5.65	6.70	7.66	8.14	8.43	9.65	10.3	10.6	11.4	12.2	13.4	14.5	15.3
15000	3.56	4.48	5.65	6.46	7.66	8.77	9.28	9.65	11.1	11.7	12.2	13.1	13.9	15.3	16.5	17.5
20000	3.91	4.93	6.21	7.11	8.43	9.65	10.3	10.6	12.2	12.9	13.4	14.4	15.3	16.8	18.2	19.3
30000	4.48	5.65	7.11	8.14	9.65	11.1	11.7	12.2	13.9	14.8	15.3	16.5	17.5	19.3	20.8	22.1
40000	4.93	6.21	7.81	8.96	10.6	12.2	12.9	13.4	15.3	16.3	16.8	18.2	19.3	21.2	22.9	24.3
60000	5.65	7.11	8.96	10.3	12.2	13.9	14.8	15.3	17.5	18.6	19.3	20.8	22.1	24.3	26.2	27.8
80000	6.21	7.81	9.83	11.3	13.4	15.3	16.3	16.8	19.3	20.5	21.2	22.9	24.3	26.7	28.8	30.7

Example:

Life estimation for UC212 insert bearing with steady radial load Fr = 3250 N at a speed of 1500 r/min.

The dynamic load rating C_r of the insert bearing UC212 from page B97 is 47800 N.

Since the bearing is not subject to axial load, the equivalent load $P_r = F_r \times f_d = 3250\ N \times 1.2 = 3900\ N$ (When no shocking load or minor shocking load, shocking load factor $f_d = 1 \sim 1.2$)

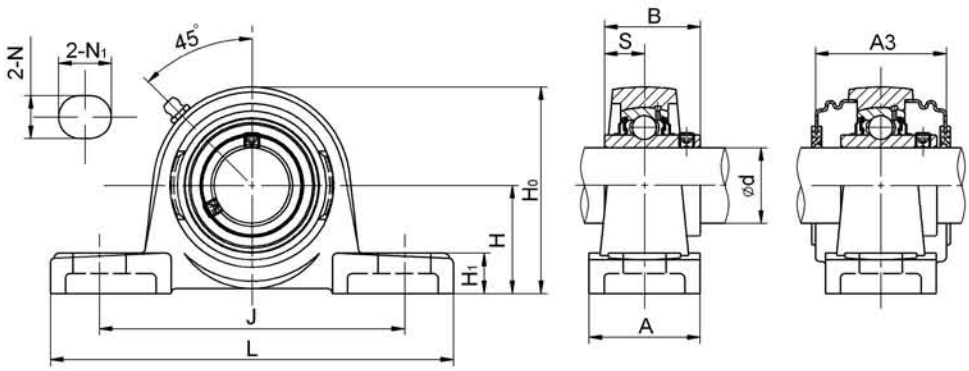
Using the load ratio tables, an approximate life can be obtained by locating the nearest C_r/P_r value in the appropriate r/min column.

Therefore for $C_r/P_r = \frac{47800}{3900} = 12.256$

Under the n = 1500 r/min column, the nearest C_r/P_r value is 12.2 with give an approximate life of 20000 hours.

LDK®

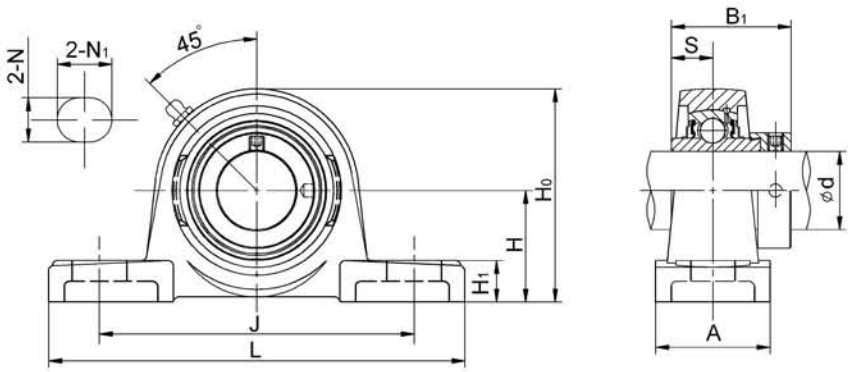
BEARINGS



UCP200 Series

Unit No.	Shaft Dia d (in)	Shaft Dia d (mm)	Dimensions(mm) H	L	J	A	N	N1	H1	H0	B	S	A3	Bolt Size (mm)	Weight (kg)
UCWP201		12	30.2	125	95	32	13	18	13	57	27.4	11.5		M10	0.72
202		15													0.66
203		17													0.66
UCP201		12	30.2	127	95	38	13	19	14	61	31	12.7		M10	0.76
201-8	1/2														
UCP202		15	30.2	127	95	38	13	19	14	61	31	12.7		M10	0.74
202-9	9/16														
202-10	5/8														
UCP203		17	30.2	127	95	38	13	19	14	61	31	12.7		M10	0.72
203-11	11/16														
UCP204		20	33.3	127	95	38	13	19	14	64	31	12.7	46.4	M10	0.70
204-12	3/4														
UCP205		25	36.5	140	105	38	13	19	15	71	34.1	14.3	48	M10	0.76
205-14	7/8														
205-15	15/16														
205-16	1														
UCP206		30	42.9	160	121	42	17	20	16	84	38.1	15.9	52	M14	1.25
206-17	1-1/16														
206-18	1-1/8														
206-19	1-3/16														
206-20	1-1/4														
UCP207		35	47.6	167	126	48	17	20	17	92	42.9	17.5	59	M14	1.55
207-20	1-1/4														
207-21	1-5/16														
207-22	1-3/8														
207-23	1-7/16														
UCP208		40	49.2	181	137	53	17	20	18	99	49.2	19	68.2	M14	1.90
208-24	1-1/2														
208-25	1-9/16														
UCP209		45	54	190	146	54	17	20	20	106	49.2	19	70	M14	2.20
209-26	1-5/8														
209-27	1-11/16														
209-28	1-3/4														
UCP210		50	57.2	206	159	60	20	23	21	114	51.6	19	76	M16	2.75
210-30	1-7/8														
210-31	1-15/16														
210-32	2														
UCP211		55	63.5	220	172	60	20	23	23	125	55.6	22.2	76	M16	3.30
211-32	2														
211-34	2-1/8														
211-35	2-3/16														
UCP212		60	69.9	241	186	70	20	23	25	137	65.1	25.4	89	M16	4.70
212-36	2-1/4														
212-38	2-3/8														
212-39	2-7/16														
UCP213		65	76.2	262	203	70	25	28	26	149	65.1	25.4	89	M20	5.60
213-40	2-1/2														
UCP214		70	79.4	266	210	72	25	28	28	157	74.6	30.2	98	M20	6.60
214-44	2-3/4														
UCP215		75	82.6	272	217	72	25	28	28	159	77.8	33.3	97	M20	7.30
215-47	2-15/16														
215-48	3														
UCP216		80	88.9	292	232	80	25	30	30	174	82.6	33.3	110	M20	9.00
UCP217		85	95.2	310	247	82	25	28	32	185	85.7	34.1	114.2	M20	10.80
217-52	3-1/4														
UCP218		90	101.6	324	262	87	27	30	33	197	96	39.7	124	M22	13.00
218-56	3-1/2														
UCP220		100	115	380	305	95	30	36	40	225	108	42		M24	16.00

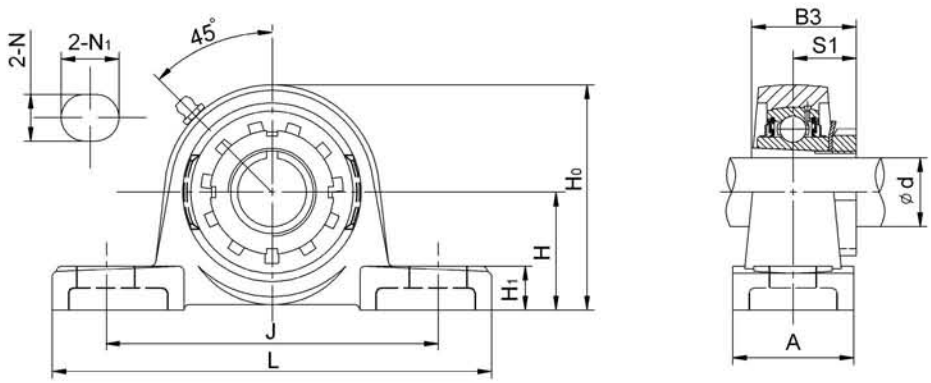
NOTE: 1 Grease fittings avaiable at 90° and 45° positions.
2 Open / Close (S/SM) covers are optional



NAP200 Series

Unit No.	Shaft Dia d (in)	Shaft Dia d (mm)	H	L	J	A	N	N1	H1	H0	B1	S	Bolt Size (mm)	Weight (kg)
NAP 201		12	30.2	127	95	38	13	19	14	61	43.7	17.1	M10	0.72
201-8	1/2													
202		15	30.2	127	95	38	13	19	14	61	43.7	17.1	M10	0.72
202-9	9/16													
202-10	5/8													
203		17	30.2	127	95	38	13	19	14	61	43.7	17.1	M10	0.72
203-11	11/16													
NAP 204		20	33.3	127	95	38	13	19	14	64	43.7	17.1	M10	0.72
204-12	3/4													
NAP 205		25	36.5	140	105	38	13	19	15	71	44.4	17.5	M10	0.8
205-14	7/8													
205-15	15/16													
205-16	1													
NAP 206	1-1/16	30	42.9	160	121	42	17	20	16	84	48.4	18.3	M14	1.35
206-18	1-1/8													
206-19	1-3/16													
206-20	1-1/4													
NAP 207		35	47.6	167	126	48	17	20	17	92	51.1	18.8	M14	1.7
207-20	1-1/4													
207-21	1-5/16													
207-22	1-3/8													
207-23	1-7/16													
NAP 208		40	49.2	181	137	53	17	20	18	99	56.3	21.4	M14	2
208-24	1-1/2													
208-25	1-9/16													
NAP 209		45	54	190	146	54	17	20	20	106	56.3	21.4	M14	2.42
209-26	1-5/8													
209-27	1-11/16													
209-28	1-3/4													
NAP 210		50	57.2	206	159	60	20	23	21	114	62.7	24.6	M16	2.75
210-30	1-7/8													
210-31	1-15/16													
210-32	2													
NAP 211		55	63.5	218	172	60	20	23	23	125	71.4	27.8	M16	3.56
211-32	2													
211-34	2-1/8													
211-35	2-3/16													
NAP 212		60	69.9	241	186	70	20	23	25	137	77.8	31	M16	5.2
212-36	2-1/4													
212-38	2-3/8													
212-39	2-7/16													
NAP 213		65	76.2	262	203	70	25	28	26	149	85.7	34.3	M20	6.3
213-40	2-1/2													
NAP 214		70	79.4	266	210	72	25	28	28	157	85.7	34.3	M20	7
214-44	2-3/4													
NAP 215		75	82.6	272	217	72	25	28	28	159	92.1	37.3	M20	7.8
215-47	2-15/16													
215-48	3													

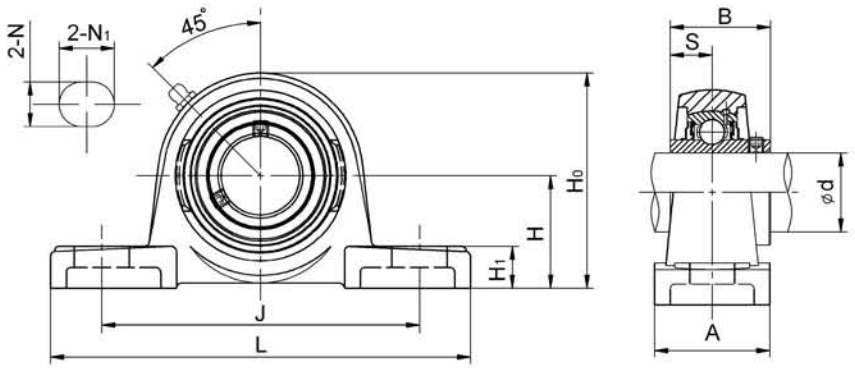
NOTE: 1 Grease fittings avaiable at 90° and 45° positions.



UKP200+H Series

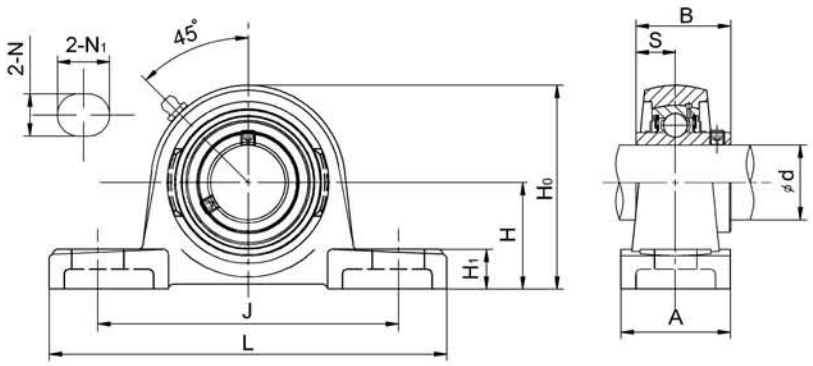
Unit No.	Shaft Dia d (in)	Shaft Dia d (mm)	H	L	J	A	N	N1	H1	H0	B3	S1	Bolt Size (mm)	Weight (kg)
UKP205+H2305		20	36.5	140	105	38	13	19	15	71	35	18.5	M10	0.83
205+HE2305	3/4													
UKP206+H2306		25	42.9	160	121	42	17	20	16	84	38	20.5	M14	1.3
206+HS2306	7/8													
206+HA2306	15/16													
206+HE2306	1													
UKP207+H2307		30	47.6	167	126	48	17	20	17	92	43	22.5	M14	1.5
207+HE2307	1-1/8													
207+HS2307	1-3/16													
UKP208+H2308		35	49.2	181	137	53	17	20	18	99	46	24.5	M14	2.0
208+HE2308	1-1/4													
208+HS2308	1-3/8													
UKP209+H2309		40	54	190	146	54	17	20	20	106	50	26	M14	2.3
209+HA2309	1-7/16													
209+HE2309	1-1/2													
UKP210+H2310		45	57.2	206	159	60	20	23	21	114	55	27.5	M16	3.0
210+HS2310	1-5/8													
210+HA2310	1-11/16													
210+HE2310	1-3/4													
UKP211+H2311		50	63.5	218	172	60	20	23	23	125	59	28.5	M16	3.5
211+HS2311	1-7/8													
211+HA2311	1-15/16													
211+HE2311	2													
UKP212+H2312		55	69.9	241	186	70	20	23	25	137	62	31	M16	4.7
212+HS2312	2-1/8													
UKP213+H2313		60	76.2	262	203	70	25	28	26	149	65	32	M20	5.9
213+HA2313	2-3/16													
213+HE2313	2-1/4													
213+HS2313	2-3/8													
UKP215+H2315		65	82.6	272	217	72	25	28	28	159	73	35.5	M20	7.6
215+HA2315	2-7/16													
215+HE2315	2-1/2													
UKP216+H2316		70	88.9	292	232	80	25	30	30	174	78	39	M20	9.2
216+HA2316	2-11/16													
216+HE2316	2-3/4													
UKP217+H2317		75	95.2	310	247	84	25	28	32	185	82	40	M20	
UKP218+H2318		80	101.6	326	262	87	27	30	33	197	86	42	M22	

NOTE: 1 Grease fittings avaiable at 90° and 45° positions.



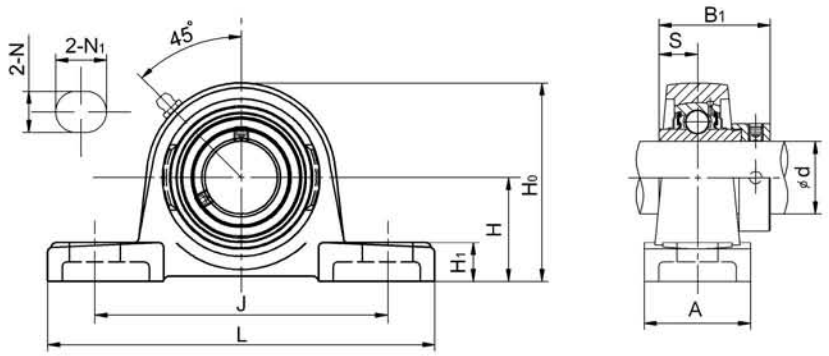
UCPX00 Series

Unit No.	Shaft Dia d (in)	Shaft Dia d (mm)	Dimensions (mm) H	L	J	A	N	N1	H1	H0	B	S	Bolt Size (mm)	Weight (kg)
UCPX05		25												
05-13	13/16													
05-14	7/8		44.4	159	119	51	17	20	18	85	38.1	15.9	M14	1.5
05-15	15/16													
05-16	1													
UCPX06		30												
06-17	1-1/16													
06-18	1-1/8		47.6	175	127	57	17	20	20	93	42.9	17.5	M14	2.1
06-19	1-3/16													
06-20	1-1/4													
UCPX07		35												
07-21	1-5/16													
07-22	1-3/8		54.0	203	144	57	17	20	21	105	49.2	19	M14	2.7
07-23	1-7/16													
UCPX08		40												
08-24	1-1/2		58.7	222	156	67	20	23	26	112	49.2	19	M16	3.3
08-25	1-9/16													
UCPX09		45												
09-26	1-5/8													
09-27	1-11/16		58.7	222	156	67	20	23	26	116	51.6	19	M16	3.3
09-28	1-3/4													
09-29	1-13/16													
UCPX10		50												
10-30	1-7/8		63.5	240	171	73	20	23	28	127	55.6	22.2	M16	4.3
10-31	1-15/16													
10-32	2													
UCPX11		55												
11-33	2-1/16													
11-34	2-1/8		69.8	260	184	79	25	28	30	137	65.1	25.4	M20	5.7
11-35	2-3/16													
11-36	2-1/4													
11-37	2-5/16													
UCPX12		60												
12-38	2-3/8		76.2	286	203	83	25	28	34	151	65.1	25.4	M20	7.3
12-39	2-7/16													
UCPX13		65												
13-40	2-1/2		76.2	286	203	83	25	28	34	154	74.6	30.2	M20	7.6
13-41	2-9/16													
UCPX14		70												
14-42	2-5/8		88.9	330	229	89	27	30	34	170	77.8	33.3	M22	9.9
14-43	2-11/16													
14-44	2-3/4													
UCPX15		75												
15-45	2-13/16													
15-46	2-7/8		88.9	330	229	89	27	30	35	176	82.6	33.3	M22	11
15-47	2-15/16													
15-48	3													
UCPX16		80												
16-49	3-1/16													
16-50	3-1/8		101.6	378	283	102	27	30	40	194	85.7	34.1	M22	15
16-51	3-3/16													
16-52	3-1/4													
UCPX17		85												
17-53	3-5/16		101.6	384	283	102	27	30	40	202	96	39.7	M22	16
17-55	3-7/16													



UCP300 Series

Unit No	Shaft d (mm)	Dimensions(mm)										Bolt size (mm)	Weight (kg)
		H	L	J	A	N	N1	H1	H0	B	S		
UCP305	25	45	175	132	45	17	20	16	85	38	15	M14	1.40
UCP306	30	50	180	140	50	17	20	18	95	43	17	M14	1.80
UCP307	35	56	210	160	56	17	25	20	106	48	19	M14	2.80
UCP308	40	60	220	170	60	17	25	24	116	52	19	M14	3.08
UCP309	45	67	245	190	67	20	30	25	129	57	22	M16	4.10
UCP310	50	75	275	212	75	20	35	27	143	61	22	M16	6.00
UCP311	55	80	310	236	80	20	38	30	154	66	25	M16	7.40
UCP312	60	85	330	250	85	25	38	32	165	71	26	M20	9.40
UCP313	65	90	340	260	90	25	38	33	178	75	30	M20	10.00
UCP314	70	95	360	280	90	27	40	35	187	78	33	M22	12.00
UCP315	75	100	377	290	100	27	40	35	198	82	32	M22	14.00
UCP316	80	106	398	300	110	27	40	40	210	86	34	M22	18.00
UCP317	85	112	420	320	110	33	45	40	222	96	40	M27	20.00
UCP318	90	118	430	330	110	33	46	45	235	96	40	M27	24.00
UCP319	95	125	470	360	120	36	50	46	250	103	41	M30	26.50
UCP320	100	140	490	380	120	36	50	50	275	108	42	M30	34.30
UCP321	105	140	490	380	120	36	50	50	280	112	44	M30	36.60
UCP322	110	150	520	400	140	40	55	55	300	117	46	M33	42.50
UCP324	120	160	570	450	140	40	55	65	320	126	51	M33	53.50
UCP326	130	180	600	480	140	40	55	75	355	135	54	M33	72.10
UCP328	140	200	620	500	140	40	55	75	390	145	59	M33	89.10

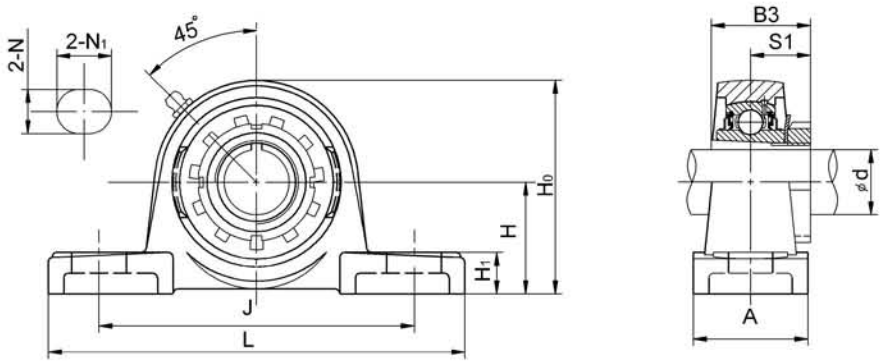


NAP300 Series

Unit No.	Shaft Dia d (in)	Shaft Dia d (mm)	H	L	J	A	N	N1	H1	H0	B1	S	Bolt Size (mm)	Weight (kg)
NAP 305		25												
305-14	7/8		45	175	132	45	17	20	16	85	46.8	16.7	M14	1.4
305-15	15/16													
305-16	1													
NAP 306		30												
306-18	1-1/8		50	180	140	50	17	20	18	95	50	17.5	M14	1.9
306-19	1-3/16													
NAP 307		35												
307-20	1-1/4		56	210	160	56	17	25	20	106	51.6	18.3	M14	2.9
307-21	1-5/16													
307-22	1-3/8													
NAP 308		40												
308-24	1-1/2		60	220	170	60	17	25	24	116	57.1	19.8	M14	3.1
308-25	1-9/16													
NAP 309		45												
309-26	1-5/8		67	245	190	67	20	30	25	129	58.7	19.8	M16	4.3
309-27	1-11/16													
309-28	1-3/4													
NAP 310		50												
310-30	1-7/8		75	275	212	75	20	35	27	143	66.6	24.6	M16	6.0
310-31	1-15/16													
NAP 311		55												
311-32	2		80	310	236	80	20	38	30	154	73	27.8	M16	7.7
311-34	2-1/8													
311-35	2-3/16													
NAP 312		60												
312-36	2-1/4		85	330	250	85	25	38	32	165	79.4	30.95	M20	9.7
312-38	2-3/8													
312-39	2-7/16													
NAP 313		65	90	340	260	90	25	38	33	178	85.2	32.55	M20	11
313-40	2-1/2													
NAP 314		70	95	360	280	90	27	40	35	187	92.1	34.15	M22	12
314-44	2-3/4													
NAP 315		75	100	377	290	100	27	40	35	198	100	37.3	M22	15
315-48	3													
NAP 316		80	106	398	300	110	27	40	40	210	106.4	40.5	M22	19
NAP 317		85	112	420	320	110	33	45	40	222	109.5	42.05	M27	21
317-52	3-1/4													
NAP 318		90	118	430	330	110	33	46	45	235	115.9	43.65	M27	25
318-56	3-1/2													
NAP 319		95	125	470	360	120	36	50	46	250	122.3	38.9	M30	30
319-60	3-3/4													
NAP 320		100	140	488	380	120	36	50	50	275	128.6	50	M30	37
320-64	4													

NOTE: 1 Grease fittings avaiable at 90° and 45° positions.

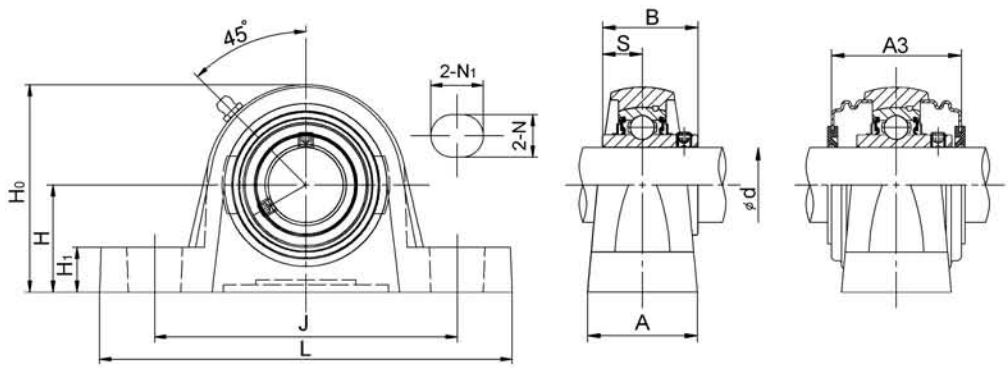
BEARINGS



UKP300+H Series

Unit No.	Shaft Dia d (in)	Shaft Dia d (mm)	H	L	J	A	N	N1	H1	H0	B3	S1	Bolt Size (mm)	Weight (kg)
UKP305+H2305		20	45	175	132	45	17	20	16	85	35	21.5	M14	1.4
305+HE2305	3/4													
UKP306+H2306		25	50	180	140	50	17	20	18	95	38	23	M14	1.8
306+HS2306	7/8													
306+HA2306	15/16													
306+HE2306	1													
UKP307+H2307		30	56	210	160	56	17	25	20	106	43	25.5	M14	2.9
307+HE2307	1-1/8													
307+HS2307	1-3/16													
UKP308+H2308		35	60	220	170	60	17	25	24	116	46	27.5	M14	3.1
308+HE2308	1-1/4													
308+HS2308	1-3/8													
UKP309+H2309		40	67	245	190	67	20	30	25	129	50	30	M16	4.2
309+HA2309	1-7/16													
309+HE2309	1-1/2													
UKP310+H2310		45	75	275	212	75	20	35	27	143	55	32	M16	5.8
310+HS2310	1-5/8													
310+HA2310	1-11/16													
310+HE2310	1-3/4													
UKP311+H2311		50	80	310	236	80	20	38	30	154	59	33.5	M16	7.4
311+HA2311	1-11/16													
311+HS2311	1-7/8													
311+HE2311	2													
UKP312+H2312		55	85	330	250	85	25	38	32	165	62	36.5	M20	9.3
312+HS2312	2-1/8													
UKP313+H2313		60	90	340	260	90	25	38	33	178	65	38.5	M20	10
313+HA2313	2-3/16													
313+HE2313	2-1/4													
313+HS2313	2-3/8													
UKP315+H2315		65	95	360	280	90	27	40	35	187	73	42.5	M22	15
315+HA2315	2-7/16													
315+HE2315	2-1/2													
UKP316+H2316		70	100	377	290	100	33	40	35	198	78	44.5	M22	18
316+HA2316	2-11/16													
316+HE2316	2-3/4													
UKP317+H2317		75	106	398	300	110	33	40	40	210	82	48	M22	20
317+HA2317	2-15/16													
317+HE2317	3													
UKP318+H2318		80	112	420	320	110	33	45	40	222	86	48	M27	24
UKP319+H2319		85	125	470	360	120	36	50	46	250	90	52	M30	29
319+HE2319	3-1/4													
UKP320+H2320		90	140	488	380	120	36	50	50	275	97	51	M30	35
320+HE2320	3-1/2													

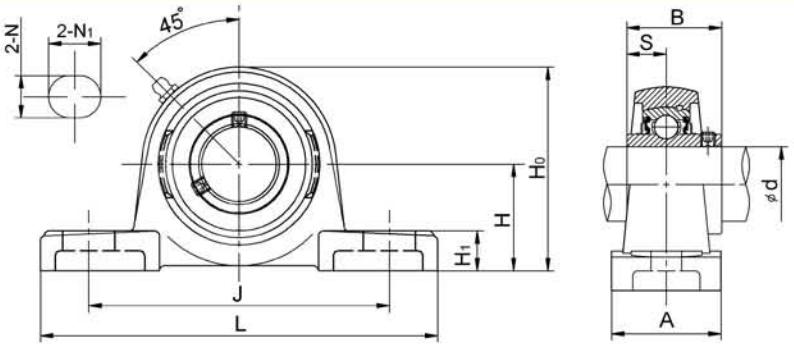
NOTE: 1 Grease fittings avaiable at 90° and 45° positions.



UCPE200 Series

Unit No.	Shaft Dia d (in)	Shaft Dia d (mm)	H	L	J	A	N	N1	H1	H0	B	S	A3	Bolt Size (mm)	Bolt Size (in)	Weight (kg)
UCPE201		12														
201-8	1/2															
202		15														
202-9	9/16		30.2	124	95	31	11	15	14	57.1	26	10		M8	5/16	0.57
203-10	5/8															
203		17														
203-11	11/16															
UCPE204		20	33.3	127	95	38	13	16	15	65	31	12.7	46.4	M10	3/8	0.82
204-12	3/4															
UCPE205		25														
205-14	7/8		36.5	140	105	38	13	16	16	70	34.1	14.3	48	M10	3/8	0.94
205-15	15/16															
205-16	1															
UCPE206		30														
206-17	1-1/16															
206-18	1-1/8		42.9	160	121	48	17	21	18	83	38.1	15.9	52	M14	1/2	1.46
206-19	1-3/16															
206-20	1-1/4															
UCPE207		35														
207-20	1-1/4															
207-21	1-5/6		47.6	167	127	48	17	21	19	94	42.9	17.5	59	M14	1/2	1.76
207-22	1-3/8															
207-23	1-7/16															
UCPE208		40														
208-24	1-1/2		49.2	180	137	54	17	25	19	101	49.2	19.0	68.2	M14	1/2	2.13
208-25	1-9/16															
UCPE209		45														
209-26	1-5/8															
209-27	1-11/16		54	190	146	54	17	25	20	108	49.2	19.0	70	M14	1/2	2.43
209-28	1-3/4															
UCPE210		50														
210-30	1-7/8															
210-31	1-15/16		57.2	206	159	60	20	25	22	114	51.6	19.0	76	M16	5/8	3.13
210-32	2															
UCPE211		55														
211-32	2															
211-34	2-1/8		63.5	219	171	60	20	25	22	126	55.6	22.2	76	M16	5/8	3.87
211-35	2-3/16															
UCPE212		60														
212-36	2-1/4		69.9	241	184	70	20	25	25	138	65.1	25.4	89	M16	5/8	5.51
212-38	2-3/8															
212-39	2-7/16															
UCPE213		65	76.2	265	203	70	25	29	27	150	65.1	25.4	89	M20	3/4	6.63
213-40	2-1/2															
UCPE214		70	79.4	266	210	72	25	31	27	156	74.6	30.2	98	M20	3/4	7.46
214-44	2-3/4															
UCPE215		75														
215-47	2-15/16		82.6	275	217	74	25	31	28	163	77.8	33.3	97	M20	3/4	8.21
215-48	3															

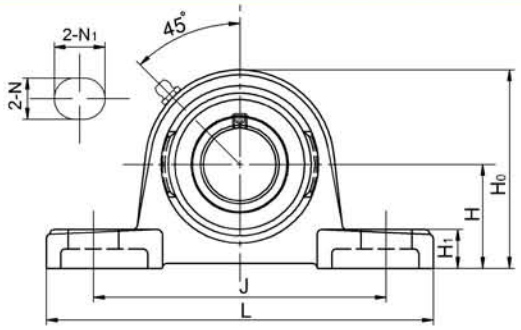
NOTE: Open/close(s/sm) covers are optional

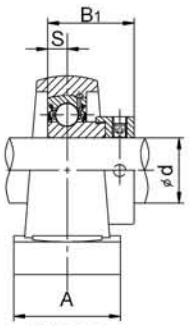


UCAK200 Series

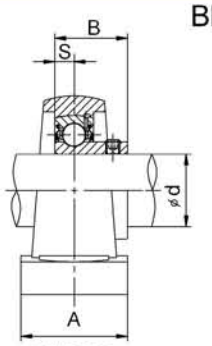
Unit No.	Shaft Dia d (in)	Shaft Dia d (mm)	H	L	J	A	N	N1	H1	H0	B	S	Bolt Size (mm)	Weight (kg)
UCAK201		12												
201-8	1/2													
UCAK202		15	27	121	89	35	12	16	13	54	26	10	M10	0.74
202-10	5/8													
UCAK203		17												
UCAK204		20	31.8	133	98	41	12	16	14.3	64	31	12.7	M10	0.77
204-12	3/4													
UCAK205		25												
205-13	13/16													
205-14	7/8		33.3	140	105	45	12	16	16	68	34	14.3	M10	0.91
205-15	15/16													
205-16	1													
UCAK206		30												
206-17	1-1/16													
206-18	1-1/8		39.7	160	121	48	15	19	17	80	38.1	15.9	M12	1.27
206-19	1-3/16													
206-20	1-1/4													
UCAK207		35												
207-20	1-1/4													
207-21	1-5/16		46	167	127	48	15	19	19	92	42.9	17.5	M12	1.59
207-22	1-3/8													
207-23	1-7/16													
UCAK208		40												
208-24	1-1/2		49.2	181	140	54	15	19	19	100	49.2	19	M12	2.06
208-25	1-9/16													
UCAK209		45												
209-26	1-5/8													
209-27	1-11/16		52.4	190	146	54	15	19	21	106	49.2	19	M12	2.33
209-28	1-3/4													
UCAK210		50												
210-29	1-13/16													
210-30	1-7/8		55.6	203	159	57	15	19	22	113	51.6	19	M12	2.68
210-31	1-15/16													
210-32	2													
UCAK211		55												
211-32	2													
211-33	2-1/16		61.9	232	181	60	20	24	25	125	55.6	22.2	M16	3.62
211-34	2-1/8													
211-35	2-3/16													
UCAK212		60												
212-36	2-1/4													
212-37	2-5/16		68.3	241	190	64	20	24	29	138	65.1	25.4	M16	4.61
212-38	2-3/8													
212-39	2-7/16													
UCAK213		65												
213-40	2-1/2		68.3	248	194	70	22	29	27	141	65.1	25.4	M20	6.42
213-41	2-9/16													
UCAK214		70												
214-42	2-5/8		82.6	294	232	72	22	32	29	160	74.6	30.2	M20	7.18
214-43	2-11/16													
214-44	2-3/4													
UCAK215		75												
215-45	2-13/16													
215-46	2-7/8		84.1	304	241	74	22	32	32	165	77.8	33.3	M20	8.86
215-47	2-15/16													
215-48	3													

NOTE: 1 Grease fittings avaiable at 90° and 45° positions.





• SALP200



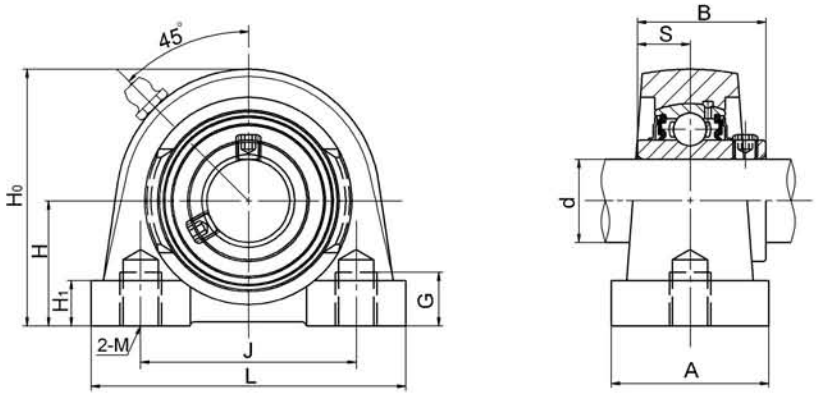
• SBLP200

SALP200 SBLP200 Series

Unit No.	Shaft Dia d (in)	Shaft Dia d (mm)	H	L	J	A	N	N1	H1	H0	B1	S	Bolt Size (mm)	Weight (kg)
SALP201		12	30.2	114	87	25	11	16	12	57	28.6	6.5	M10	0.4
201-8	1/2													
202		15												
202-9	9/16													
202-10	5/8													
203		17												
203-11	11/16													
SALP204		20	33.3	125	97	27	11.5	16	14	63.8	30.9	7.5	M10	0.52
204-12	3/4													
SALP205		25	36.5	130	100	29	11.5	16	15	69.5	30.9	7.5	M10	0.61
205-14	7/8													
205-15	15/16													
205-16	1													
SALP206		30	42.9	156	121	33	14	21	16	82	35.7	9	M12	0.73
206-17	1-1/16													
206-18	1-1/8													
206-19	1-3/16													
206-20	1-1/4													
207		35	47.6	165	127	35	14	21	16	93	38.9	9.5	M12	1.0
207-20	1-1/4													
207-21	1-5/16													
207-22	1-3/8													
207-23	1-7/16													

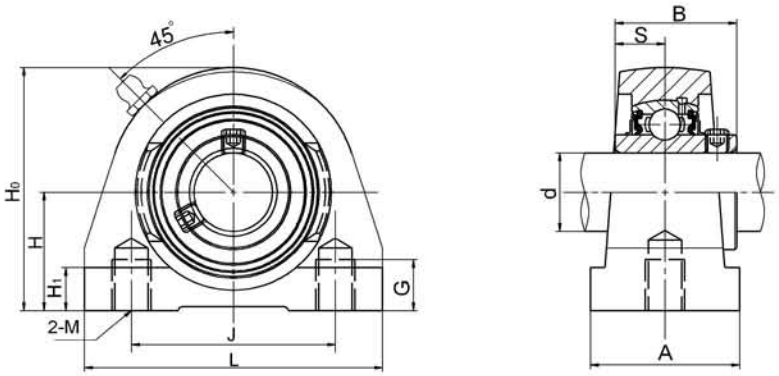
Unit No.	Shaft Dia d (in)	Shaft Dia d (mm)	H	L	J	A	N	N1	H1	H0	B	S	Bolt Size (mm)	Weight (kg)
SBLP201		12	30.2	114	87	25	11	16	12	57	22	6.5	M10	0.4
201-8	1/2													
202		15												
202-9	9/16													
202-10	5/8													
203		17												
203-11	11/16													
SBLP204		20	33.3	125	97	27	11.5	16	14	63.8	25	7.5	M10	0.52
204-12	3/4													
SBLP205		25	36.5	130	100	29	11.5	16	15	69.5	27	7.5	M10	0.61
205-14	7/8													
205-15	15/16													
205-16	1													
SBLP206		30	42.9	156	121	33	14	21	16	82	30	9	M12	0.73
206-17	1-1/16													
206-18	1-1/8													
206-19	1-3/16													
206-20	1-1/4													
SBLP207		35	47.6	165	127	35	14	21	16	93	32	9.5	M12	1.0
207-20	1-1/4													
207-21	1-5/16													
207-22	1-3/8													
207-23	1-7/16													

NOTE: Grease fittings avaiable at 90° and 45° positions.



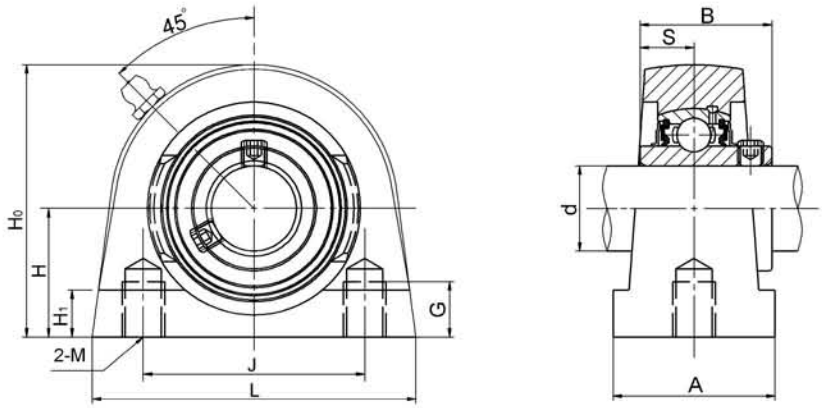
UCPA200 Series

Unit No.	Shaft Dia d (in)	Shaft Dia d (mm)	Dimensions(mm) H	L	J	A	G	H1	H0	M	B	S	Bolt Size (mm)	Weight (kg)
UCWPA201		12												0.67
202		15	30.2	71	48	36	9	10	57	M10	27.4	11.5	M10	0.63
203		17												0.62
UCPA201		12	30.2	76	52	38	13	11	62	M10	31.0	12.7	M10	0.67
201-8	1/2													
UCPA202		15	30.2	76	52	38	13	11	62	M10	31.0	12.7	M10	0.63
202-9	9/16													
202-10	5/8													
UCPA203		17	30.2	76	52	38	13	11	62	M10	31.0	12.7	M10	0.62
203-11	11/16													
UCPA204		20	30.2	76	52	38	13	11	62	M10	31.0	12.7	M10	0.60
204-12	3/4													
UCPA205		25	36.5	84	56	38	15	12	72	M10	34.1	14.3	M10	0.81
205-14	7/8													
205-15	15/16													
205-16	1													
UCPA206		30	42.9	94	66	48	18	12	84	M14	38.1	15.9	M14	1.20
206-17	1-1/16													
206-18	1-1/8													
206-19	1-3/16													
206-20	1-1/4													
UCPA207		35	47.6	110	80	48	20	13	95	M14	42.9	17.5	M14	1.70
207-20	1-1/4													
207-21	1-5/16													
207-22	1-3/8													
207-23	1-7/16													
UCPA208		40	49.2	116	84	54	20	13	100	M14	49.2	19.0	M14	1.90
208-24	1-1/2													
208-25	1-9/16													
UCPA209		45	54.2	120	90	54	25	13	108	M14	49.2	19.0	M14	2.20
209-26	1-5/8													
209-27	1-11/16													
209-28	1-3/4													
UCPA210		50	57.2	130	94	60	25	14	116	M16	51.6	19.0	M16	2.60
210-30	1-7/8													
210-31	1-15/16													
210-32	2													
UCPA211		55	63.5	140	104	66	25	14	125	M16	55.6	22.2	M16	3.00
211-32	2													
211-34	2-1/8													
211-35	2-3/16													
UCPA212		60	69.9	150	114	68	25	17	138	M16	65.1	25.4	M16	4.24
212-36	2-1/4													
212-38	2-3/8													
212-39	2-7/16													



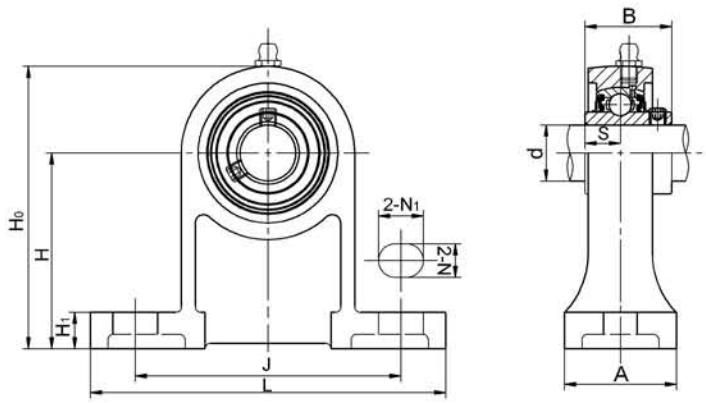
UCPW200 Series

Unit No.	Shaft Dia d (in)	Shaft Dia d (mm)	Dimensions (mm) H	L	J	A	M	G	H0	B	S	H1	Bolt Size (mm)	Weight (kg)
UCPW201		12	33.3	65	50.8	32	M8	13	64	31	12.7	13	M8	0.8
201-8	1/2													
UCPW202		15	33.3	65	50.8	32	M8	13	64	31	12.7	13	M8	0.79
202-9	9/16													
202-10	5/8													
UCPW203		17	33.3	65	50.8	32	M8	13	64	31	12.7	13	M8	0.77
203-11	11/16													
UCPW204		20	33.3	65	50.8	32	M8	13	64	31	12.7	13	M8	0.76
204-12	3/4													
UCPW205		25	36.5	70	50.8	36	M10	13	70	34.1	14.3	13	M10	0.91
205-14	7/8													
205-15	15/16													
205-16	1													
UCPW206		30	42.9	98	76.2	38	M10	16	82	38.1	15.9	15	M10	1.42
206-17	1-1/16													
206-18	1-1/8													
206-19	1-3/16													
206-20	1-1/4													
UCPW207		35	47.6	103	82.6	45	M10	19	93	42.9	17.5	15	M10	1.91
207-20	1-1/4													
207-21	1-5/16													
207-22	1-3/8													
207-23	1-7/16													
UCPW208		40	49.2	116	88.9	48	M12	19	99	49.2	19	15	M12	2.28
208-24	1-1/2													
208-25	1-9/16													
UCPW209		45	53.9	120	95.3	48	M12	19	107	49.2	19	18	M12	2.61
209-26	1-5/8													
209-27	1-11/16													
209-28	1-3/4													
UCPW210		50	57.2	135	101.6	54	M16	22	115	51.6	19	18	M16	3.28
210-30	1-7/8													
210-31	1-15/16													
210-32	2													



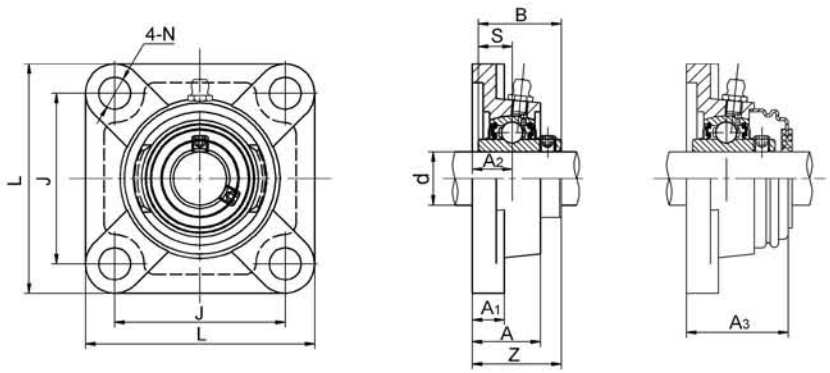
UCPG200 Series

Unit No.	Shaft Dia d		Dimensions (mm)										Bolt Size (mm)	Weight (kg)
	(in)	(mm)	H	L	J	A	M	G	H_1	H_0	B	S		
UCPG201		12	33.3	70	49	38	M8	14	11	64	31	12.7	M8	0.8
201-8	1/2													
UCPG202		15	33.3	70	49	38	M8	14	11	64	31	12.7	M8	0.79
UCPG202-9	9/16													
UCPG202-10	5/8													
UCPG203		17	33.3	70	49	38	M8	14	11	64	31	12.7	M8	0.77
UCPG203-11	11/16													
UCPG204		20	33.3	70	49	38	M8	14	11	64	31	12.7	M8	0.76
UCPG204-12	3/4													
UCPG205		25	36.5	75	50	38	M10	15	12	70	34.1	14.3	M10	0.91
UCPG205-14	7/8													
UCPG205-15	15/16													
UCPG205-16	1													
UCPG206		30	42.9	85	60	48	M10	17	12	84	38.1	15.9	M10	1.42
UCPG206-17	1-1/16													
UCPG206-18	1-1/8													
UCPG206-19	1-3/16													
UCPG206-20	1-1/4													
UCPG207		35	47.6	100	68	48	M12	17	13	93	42.9	17.5	M12	1.91
UCPG207-20	1-1/4													
UCPG207-21	1-5/16													
UCPG207-22	1-3/8													
UCPG207-23	1-7/16													
UCPG208		40	49.2	110	78	54	M12	20	13	98	49.2	19	M12	2.28
UCPG208-24	1-1/2													
UCPG208-25	1-9/16													
UCPG209		45	53.9	120	85	54	M12	20	14	106	49.2	19	M12	2.61
UCPG209-26	1-5/8													
UCPG209-27	1-11/16													
UCPG209-28	1-3/4													
UCPG210		50	57.2	135	95	60	M16	21	14	114	51.6	19	M16	3.28
UCPG210-30	1-7/8													
UCPG210-31	1-15/16													
UCPG210-32	2													



UCPH200 Series

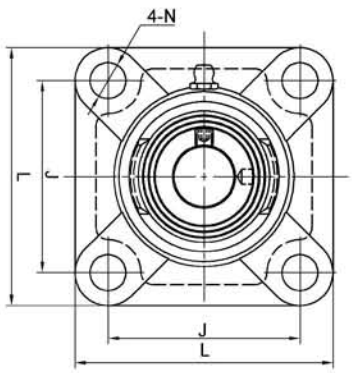
Unit No.	Shaft Dia d (in)	Shaft Dia d (mm)	Dimensions(mm) H	L	J	A	N	N1	H1	H0	B	S	Bolt Size (mm)	Weight (kg)
UCPH201		12	70	127	95	40	13	19	15	101	31	12.7	M10	0.96
201-8	1/2													
UCPH202		15	70	127	95	40	13	19	15	101	31	12.7	M10	0.96
UCPH202-9	9/16													
UCPH202-10	5/8													
UCPH203		17	70	127	95	40	13	19	15	101	31	12.7	M10	0.96
UCPH203-11	11/16													
UCPH204		20	70	127	95	40	13	19	15	101	31	12.7	M10	0.96
UCPH204-12	3/4													
UCPH205		25	80	140	105	50	13	19	16	114	34.1	14.3	M10	1.20
UCPH205-14	7/8													
UCPH205-15	15/16													
UCPH205-16	1													
UCPH206		30	90	161	121	50	17	21	18	130	38.1	15.9	M14	1.60
UCPH206-17	1-1/16													
UCPH206-18	1-1/8													
UCPH206-19	1-3/16													
UCPH206-20	1-1/4													
UCPH207		35	95	167	127	60	17	21	19	140	42.9	17.5	M14	2.10
UCPH207-20	1-1/4													
UCPH207-21	1-5/16													
UCPH207-22	1-3/8													
UCPH207-23	1-7/16													
UCPH208		40	100	178	137	70	17	21	20	150	49.2	19.0	M14	2.70
UCPH208-24	1-1/2													
UCPH208-25	1-9/16													
UCPH209		45	105	190	146	70	17	21	20	158	49.2	19.0	M14	3.10
UCPH209-26	1-5/8													
UCPH209-27	1-11/16													
UCPH209-28	1-3/4													
UCPH210		50	110	206	159	70	20	23	22	165	51.6	19.0	M16	3.50
UCPH210-30	1-7/8													
UCPH210-31	1-15/16													
UCPH210-32	2													
UCPH211		55	120	219	171	75	20	23	23	181	55.6	22.2	M16	4.07
UCPH211-32	2													
UCPH211-34	2-1/8													
UCPH211-35	2-3/16													
UCPH212		60	130	243	184	85	20	23	24	197	65.1	25.4	M16	6.31
UCPH212-36	2-1/4													
UCPH212-38	2-3/8													
UCPH212-39	2-7/16													

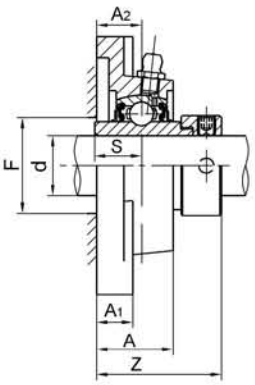


UCF200 Series

Unit No.	Shaft Dia d (in)	Shaft Dia d (mm)	L	J	A2	A1	A	N	B	S	Z	A3	Bolt Size (mm)	Weight (kg)
UCWF201		12	76	54	15	11	25.5	12	27.4	11.5	30.9		M10	0.72
202		15												0.62
203		17												0.61
UCF201		12	86	64	15	12	25.5	12	31	12.7	33.3		M10	0.61
201-8	1/2													
UCF202		15	86	64	15	12	25.5	12	31	12.7	33.3		M10	0.61
202-9	9/16													
202-10	5/8													
UCF203		17	86	64	15	12	25.5	12	31	12.7	33.3		M10	0.61
203-11	11/16													
UCF204		20	86	64	15	12	25.5	12	31	12.7	33.3	38.2	M10	0.61
204-12	3/4													
UCF205		25	95	70	16	14	27	12	34.1	14.3	35.8	40	M10	0.80
205-14	7/8													
205-15	15/16													
205-16	1													
UCF206		30	108	83	18	14	31	12	38.1	15.9	40.2	44	M10	1.00
206-17	1-1/16													
206-18	1-1/8													
206-19	1-3/16													
206-20	1-1/4													
UCF207		35	117	92	19	16	34	14	42.9	17.5	44.4	48.5	M12	1.40
207-20	1-1/4													
207-21	1-5/16													
207-22	1-3/8													
207-23	1-7/16													
UCF208		40	130	102	21	16	36	16	49.2	19	51.2	55.1	M14	1.80
208-24	1-1/2													
208-25	1-9/16													
UCF209		45	137	105	22	18	38	16	49.2	19	52.2	57	M14	2.20
209-26	1-5/8													
209-27	1-11/16													
209-28	1-3/4													
UCF210		50	143	111	22	18	40	16	51.6	19	54.6	60	M14	2.40
210-30	1-7/8													
210-31	1-15/16													
210-32	2													
UCF211		55	162	130	25	20	43	19	55.6	22.2	58.4	63	M16	3.50
211-32	2													
211-34	2-1/8													
211-35	2-3/16													
UCF212		60	175	143	29	20	48	19	65.1	25.4	68.7	73.5	M16	4.20
212-36	2-1/4													
212-38	2-3/8													
212-39	2-7/16													
UCF213		65	187	149	30	22	50	19	65.1	25.4	69.7	74.5	M16	5.30
213-40	2-1/2													
UCF214		70	193	152	31	22	54	19	74.6	30.2	75.4	80	M16	5.90
214-44	2-3/4													
UCF215		75	200	159	34	22	56	19	77.8	33.3	78.5	82.5	M16	6.30
215-47	2-15/16													
215-48	3													
UCF216		80	208	165	34	22	58	23	82.6	33.3	83.3	89	M20	7.30
UCF217		85	220	175	36	24	63	23	85.7	34.1	87.6	92.1	M20	8.90
217-52	3-1/4													
UCF218		90	235	187	40	25	68	23	96	39.7	96.3	102	M20	11.60
218-56	3-1/2													

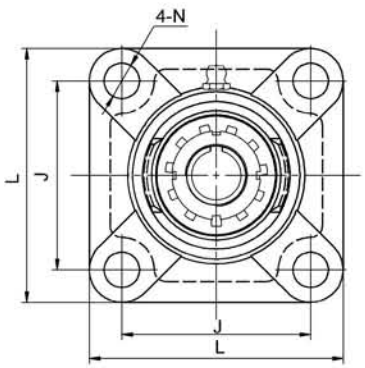
NOTE: 1 Open / Close (S/SM) covers are optional

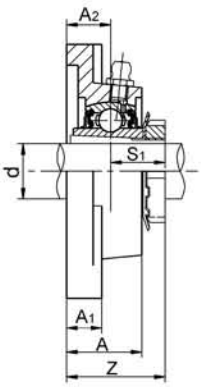




NAF200 Series

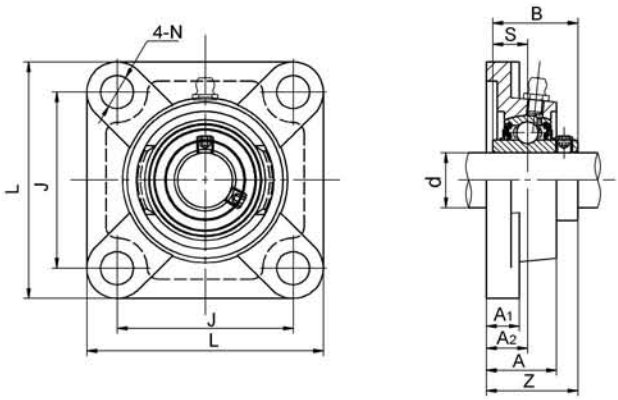
Unit No.	Shaft Dia d (in)	Shaft Dia d (mm)	L	J	A_2	A_1	A	N	S	Z	F	Bolt Size (mm)	Weight (kg)
NAF 201S		12											
201-8S	1/2												
202S		15											
202-10S	5/8		76	54	15	11	25.5	12	13.9	38.4	---	M10	0.5
203S		17											
203-11S	11/16												
NAF 201		12											
201-8	1/2		86	64	15	12	25.5	12	17.1	41.6	32	M10	0.66
202		15											
202-10	5/8		86	64	15	12	25.5	12	17.1	41.6	32	M10	0.66
203		17											
203-11	11/16		86	64	15	12	25.5	12	17.1	41.6	32	M10	0.66
204		20											
204-12	3/4		86	64	15	12	25.5	12	17.1	41.6	32	M10	0.66
NAF 205		25											
205-14	7/8												
205-15	15/16		95	70	16	14	27	12	17.5	42.9	36	M10	0.80
205-16	1												
NAF 206		30											
206-18	1-1/8												
206-19	1-3/16		108	83	18	14	31	12	18.3	48.1	42	M10	1.2
206-20	1-1/4												
NAF 207		35											
207-20	1-1/4												
207-21	1-5/16		117	92	19	16	34	14	18.8	51.3	49	M12	1.6
207-22	1-3/8												
207-23	1-7/16												
NAF 208		40											
208-24	1-1/2		130	102	21	16	36	16	21.4	55.9	55	M14	1.9
208-25	1-9/16												
NAF 209		45											
209-26	1-5/8												
209-27	1-11/16		137	105	22	18	38	16	21.4	56.9	---	M14	2.30
209-28	1-3/4												
NAF 210		50											
210-30	1-7/8		143	111	22	18	40	16	24.6	60.1	64	M14	2.60
210-31	1-15/16												
NAF 211		55											
211-32	2												
211-34	2-1/8		162	130	25	20	43	19	27.8	68.6	71	M16	3.80
211-35	2-3/16												
NAF 212		60											
212-36	2-1/4												
212-38	2-3/8		175	143	29	20	48	19	31	75.8	78	M16	4.80
212-39	2-7/16												
NAF 213		65											
213-40	2-1/2		187	149	30	22	50	19	34.3	81.4	85	M16	6
NAF 214		70											
214-44	2-3/4		193	152	31	22	54	19	34.3	82.4	91	M16	6.3
NAF 215		75											
215-48	3		200	159	34	22	56	19	37.3	88.8	96	M16	7.2





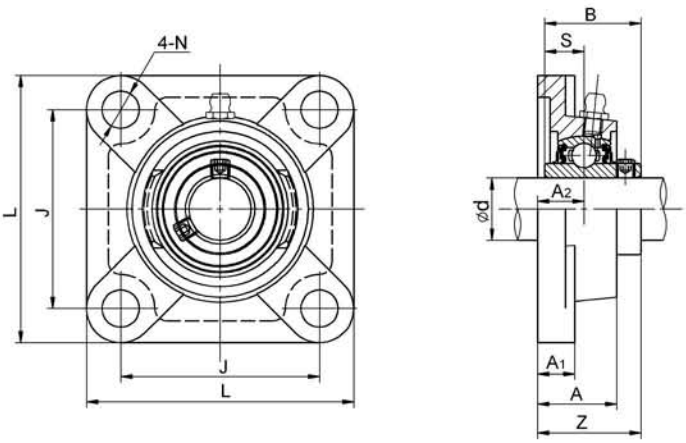
UKF200+H Series

Unit No.	Shaft Dia d (in)	Shaft Dia d (mm)	Dimensions (mm) L	J	A2	A1	A	N	S1	Z	Bolt Size (mm)	Weight (kg)
UKF205+H2305		20	95	70	16	14	27	12	18.5	34.5	M10	0.84
205+HE2305	3/4											
UKF206+H2306		25	108	83	18	14	31	12	20.5	38.5	M10	1.1
206+HS2306	7/8											
206+HA2306	15/16											
206+HE2306	1											
UKF207+H2307		30	117	92	19	16	34	14	22.5	41.5	M12	1.6
207+HS2307	1-1/8											
207+HA2307	1-3/16											
UKF208+H2308		35	130	102	21	16	36	16	24.5	45.5	M14	1.9
208+HE2308	1-1/4											
208+HS2308	1-3/8											
UKF209+H2309		40	137	105	22	18	38	16	26	48	M14	2.3
209+HA2309	1-7/16											
209+HE2309	1-1/2											
UKF210+H2310		45	143	111	22	18	40	16	27.5	49.5	M14	2.6
210+HS2310	1-5/8											
210+HA2310	1-11/16											
210+HE2310	1-3/4											
UKF211+H2311		50	162	130	25	20	43	19	28.5	53.5	M16	3.4
211+HS2311	1-7/8											
211+HA2311	1-15/16											
211+HE2311	2											
UKF212+H2312		55	175	143	29	20	48	19	31	60	M16	4.1
212+HS2312	2-1/8											
UKF213+H2313		60	187	149	30	22	50	19	32	62	M16	5.5
213+HA2313	2-3/16											
213+HE2313	2-1/4											
213+HS2313	2-3/8											
UKF215+H2315		65	200	159	34	22	56	19	35.5	69.5	M16	6.7
215+HA2315	2-7/16											
215+HE2315	2-1/2											
UKF216+H2316		70	208	165	34	22	58	23	39	73	M20	7.5
216+HA2316	2-11/16											
216+HE2316	2-3/4											
UKF217+H2317		75	220	175	36	24	63	23	40	76	M20	9.1
217+HA2317	2-15/16											
217+HE2317	3											
UKF218+H2318		80	235	187	40	25	68	23	42	82	M20	11.8



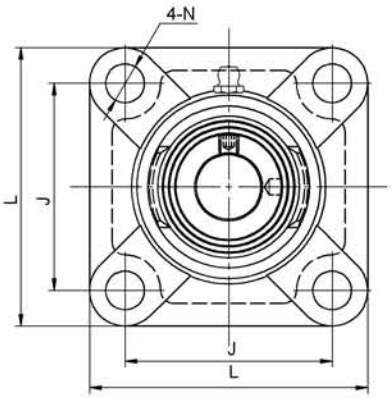
UCFX00 Series

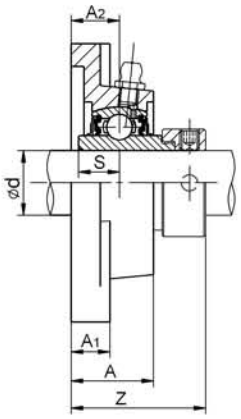
Unit No.	Shaft Dia d (in)	Shaft Dia d (mm)	L	J	A2	A1	A	N	B	S	Z	Bolt Size (mm)	Weight (kg)
UCFX05		25											
05-13	13/16												
05-14	7/8		108	83	18	13	30	12	38.1	15.9	40.2	M10	1.0
05-15	15/16												
05-16	1												
UCFX06		30											
06-17	1-1/16												
06-18	1-1/8		117	92	19	14	34	16	42.9	17.5	44.4	M14	1.7
06-19	1-3/16												
06-20	1-1/4												
UCFX07		35											
07-21	1-5/16		130	101.5	21	14	38	16	49.2	19	51.2	M14	2.1
07-22	1-3/8												
07-23	1-7/16												
UCFX08		40											
08-24	1-1/2		137	105	22	14	40	19	49.2	19	52.2	M16	2.4
08-25	1-9/16												
UCFX09		45											
09-26	1-5/8												
09-27	1-11/16		143	111	23	14	40	19	51.6	19	55.6	M16	2.5
09-28	1-3/4												
09-29	1-13/16												
UCFX10		50											
10-30	1-7/8		162	130	26	20	44	19	55.6	22.2	59.4	M16	3.9
10-31	1-15/16												
10-32	2												
UCFX11		55											
11-33	2-1/16												
11-34	2-1/8		175	143	29	20	49	19	65.1	25.4	68.7	M16	4.9
11-35	2-3/16												
11-36	2-1/4												
11-37	2-5/16												
UCFX12		60											
12-38	2-3/8		187	149	34	21	57	19	65.1	25.4	73.7	M16	5.2
12-39	2-7/16												
UCFX13		65											
13-40	2-1/2		187	149	34	21	59	19	74.6	30.2	78.4	M16	5.3
13-41	2-9/16												
UCFX14		70											
14-42	2-5/8		197	152	37	24	60	23	77.8	33.3	81.5	M20	7.3
14-43	2-11/16												
14-44	2-3/4												
UCFX15		75											
15-45	2-13/16												
15-46	2-7/8		197	152	40	24	68	23	82.6	33.3	89.3	M20	8.1
15-47	2-15/16												
15-48	3												
UCFX16		80											
16-49	3-1/16												
16-50	3-1/8		214	171	40	24	70	23	85.7	34.1	91.6	M20	9.9
16-51	3-3/16												
16-52	3-1/4												
UCFX17		85											
17-53	3-5/16		214	171	40	24	70	23	96	39.7	96.3	M20	11
17-55	3-7/16												



UCF300 Series

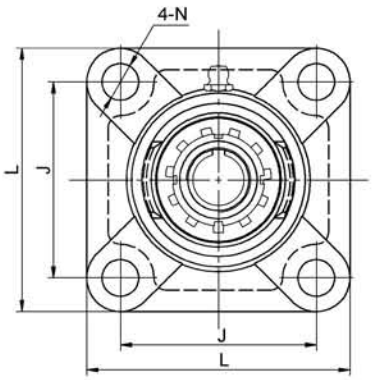
Unit No.	Shaft Dia d (mm)	Dimensions(mm)									Bolt size (mm)	Weight (kg)
		L	J	A_2	A_1	A	N	B	S	Z		
UCF305	25	110	80	16	13	29	16	38	15	39	M14	1.20
UCF306	30	125	95	18	15	32	16	43	17	44	M14	1.80
UCF307	35	135	100	20	16	36	19	48	19	49	M16	2.20
UCF308	40	150	112	23	17	40	19	52	19	56	M16	2.90
UCF309	45	160	125	25	18	44	19	57	22	61	M16	3.50
UCF310	50	175	132	28	19	48	23	61	22	67	M20	4.80
UCF311	55	185	140	30	20	52	23	66	25	71	M20	5.60
UCF312	60	193	150	33	22	56	23	71	26	78	M20	6.70
UCF313	65	208	166	33	22	58	23	75	30	78	M20	7.80
UCF314	70	224	178	36	25	61	25	78	33	81	M22	10.10
UCF315	75	236	184	39	25	66	25	82	32	89	M22	11.10
UCF316	80	250	196	38	27	68	31	86	34	90	M27	12.80
UCF317	85	260	204	44	27	74	31	96	40	100	M27	15.40
UCF318	90	280	216	44	30	76	35	96	40	100	M30	19.00
UCF319	95	290	228	59	30	94	35	103	41	121	M30	20.6
UCF320	100	310	242	59	32	94	38	108	42	125	M33	25.7
UCF321	105	310	242	59	32	94	38	112	44	128	M33	25.60
UCF322	110	340	266	60	35	96	41	117	46	131	M36	38
UCF324	120	370	290	65	40	110	41	126	51	140	M36	50
UCF326	130	410	320	65	45	115	41	135	54	146	M36	66
UCF328	140	450	350	75	55	125	41	145	59	141	M36	90

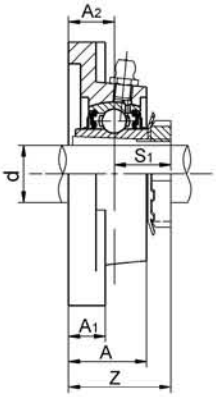




NAF300 Series

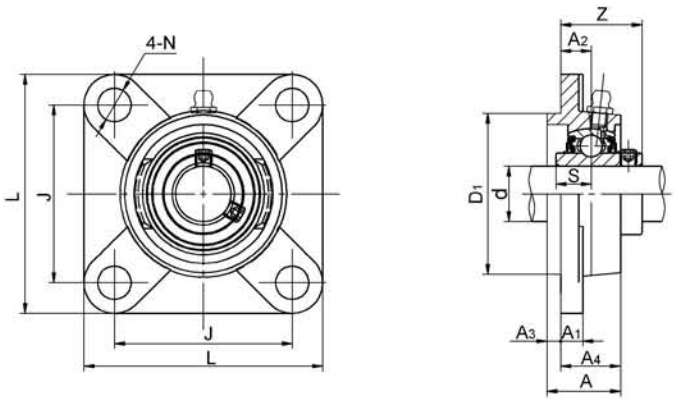
Unit No.	Shaft Dia d (in)	Shaft Dia d (mm)	L	J	A_2	A_1	A	N	S	Z	Bolt Size (mm)	Weight (kg)
NAF 305		25	110	80	16	13	29	16	16.7	46.1	M14	1.2
305-14	7/8											
305-15	15/16											
305-16	1											
NAF 306		30	125	95	18	15	32	16	17.5	50.5	M14	1.7
306-18	1-1/8											
306-19	1-3/16											
NAF 307		35	135	100	20	16	36	19	18.3	53.3	M16	2.0
307-20	1-1/4											
307-21	1-5/16											
307-22	1-3/8											
NAF 308		40	150	112	23	17	40	19	19.8	60.3	M16	2.8
308-24	1-1/2											
308-25	1-9/16											
NAF 309		45	160	125	25	18	44	19	19.8	63.9	M16	3.6
309-26	1-5/8											
309-27	1-11/16											
309-28	1-3/4											
NAF 310		50	175	132	28	19	48	23	24.6	70	M20	4.7
310-30	1-7/8											
310-31	1-15/16											
NAF 311		55	185	140	30	20	52	23	27.8	75.2	M20	5.7
311-32	2											
311-34	2-1/8											
311-35	2-3/16											
NAF 312		60	193	150	33	22	56	23	30.95	81.45	M20	6.8
312-36	2-1/4											
312-38	2-3/8											
312-39	2-7/16											
NAF 313		65	208	166	33	22	58	23	32.55	85.65	M20	8.3
313-40	2-1/2											
NAF 314		70	224	178	36	25	61	25	34.15	93.95	M22	10.7
314-44	2-3/4											
NAF 315		75	236	184	39	25	66	25	37.3	101.7	M22	12.24
315-48	3											
NAF 316		80	250	196	38	27	68	31	40.5	103.9	M27	16
NAF 317		85	260	204	44	27	74	31	42.05	111.45	M27	17
317-52	3-1/4											
NAF 318		90	280	216	44	30	76	35	43.65	116.25	M30	21
318-56	3-1/2											
NAF 319		95	290	228	59	30	94	35	38.9	142.4	M30	23
319-60	3-3/4											
NAF 320		100	310	242	59	32	94	38	50	137.6	M33	28
320-64	4											





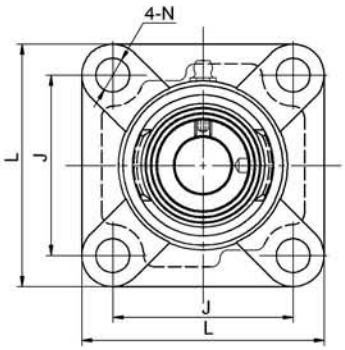
UKF300+H Series

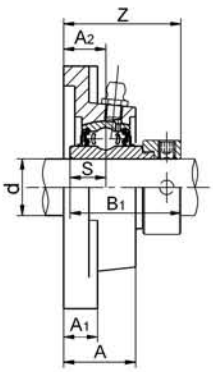
Unit No.	Shaft Dia d (in)	Shaft Dia d (mm)	Dimensions (mm) L	J	A2	A1	A	N	S1	Z	Bolt Size (mm)	Weight (kg)
UKF305+H2305		20	110	80	16	13	29	16	21.5	37.5	M14	1.2
305+HE2305	3/4											
UKF306+H2306		25	125	95	18	15	32	16	23	41	M14	1.8
306+HS2306	7/8											
306+HA2306	15/16											
306+HE2306	1											
UKF307+H2307		30	135	100	20	16	36	19	25.5	45.5	M16	2.2
307+HS2307	1-1/8											
307+HA2307	1-3/16											
UKF308+H2308		35	150	112	23	17	40	19	27.5	50.5	M16	2.9
308+HE2308	1-1/4											
308+HS2308	1-3/8											
UKF309+H2309		40	160	125	25	18	44	19	30	55	M16	3.5
309+HA2309	1-7/16											
309+HE2309	1-1/2											
UKF310+H2310		45	175	132	28	19	48	23	32	60	M20	4.8
310+HS2310	1-5/8											
310+HA2310	1-11/16											
310+HE2310	1-3/4											
UKF311+H2311		50	185	140	30	20	52	23	33.5	63.5	M20	5.6
311+HS2311	1-7/8											
311+HA2311	1-15/16											
311+HE2311	2											
UKF312+H2312		55	193	150	33	22	56	23	36.5	69.5	M20	6.7
312+HS2312	2-1/8											
UKF313+H2313		60	208	166	33	22	58	23	38.5	71.5	M20	7.8
313+HA2313	2-7/16											
313+HE2313	3-1/4											
313+HS2313	2-3/8											
UKF315+H2315		65	236	184	39	25	66	25	42.5	81.5	M22	12
315+HA2315	2-7/16											
315+HS2315	2-1/2											
UKF316+H2316		70	250	196	38	27	68	31	44.5	82.5	M27	15
316+HA2316	2-11/16											
316+HE2316	2-3/4											
UKF317+H2317		75	260	204	44	27	74	31	48	92	M27	16
317+HA2317	2-15/16											
317+HE2317	3											
UKF318+H2318		80	280	216	44	30	76	35	48	92	M30	20
UKF319+H2319		85	290	228	59	30	94	35	52	111	M30	22
319+HE2319	3-1/4											
UKF320+H2320		90	310	242	59	32	94	38	54	113	M33	26
320+HE2320	3-1/2											



UCFS300 Series

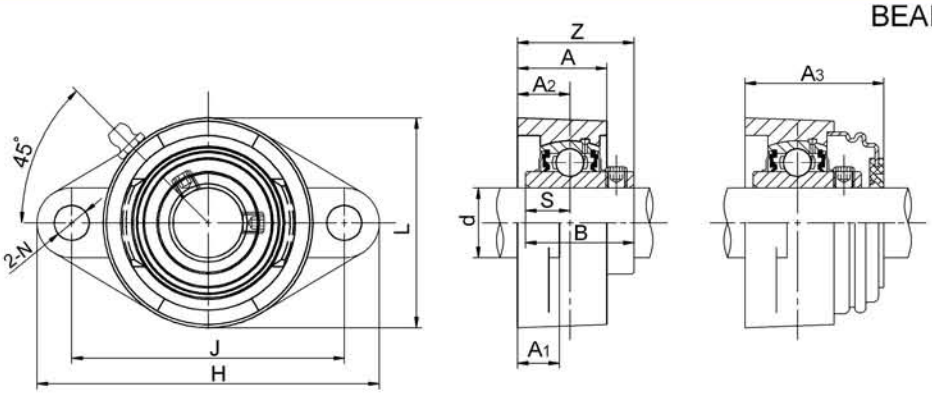
Unit No.	Shaft Dia d		Dimensions (mm)										Bolt Size (mm)	Weight (kg)
	(in)	(mm)	L	J	A2	A4	A	A3	A1	N	D1	S	Z		
UCFS 305		25													
305-14	7/8		110	80	9	22	29	7	13	16	80	15	32	M14	1.3
305-15	15/16														
305-16	1														
UCFS 306		30													
306-18	1-1/8		125	95	10	24	32	8	15	16	90	17	36	M14	1.9
306-19	1-3/16														
UCFS 307		35													
307-20	1-1/4		135	100	11	27	36	9	16	19	100	19	40	M16	2.4
307-21	1-5/16														
307-22	1-3/8														
UCFS 308		40													
308-24	1-7/8		150	112	13	30	40	10	17	19	115	19	46	M16	3.3
308-25	1-15/16														
UCFS 309		45													
309-26	2		160	125	14	33	44	11	18	22	125	22	49	M16	4.0
309-27	2-1/8														
309-28	2-3/16														
UCFS 310		50													
310-30	1-7/8		175	132	16	36	48	12	19	22	140	22	55	M20	5.3
310-31	1-15/16														
UCFS 311		55													
311-32	2		185	140	17	39	52	13	20	252	150	25	58	M20	6.2
311-34	2-1/8														
311-36	2-3/16														
UCFS 312		60													
312-36	2-1/4		195	150	19	42	56	14	22	6	160	26	64	M20	7.2
312-38	2-3/8														
312-39	2-7/16														
UCFS 313		65													
313-40	2-1/2		208	166	15	40	58	18	22	30	175	30	60	M20	8.9
UCFS 314		70													
314-44	2-3/4		226	178	18	43	61	18	25	31	185	31	65	M22	11
UCFS 315		75													
315-48	3		236	184	21	48	66	18	25	32	200	32	71	M22	13
UCFS 316		80	250	196	18	48	68	20	27	34	210	34	70	M27	15
UCFS 317		85													
317-52	3-1/4		260	204	24	54	74	20	27	40	220	40	80	M27	17
UCFS 318		90													
318-56	3-1/2		280	216	24	56	76	20	30	40	240	40	80	M30	21
UCFS 319		95													
319-60	3-3/4		290	228	39	74	94	20	30	41	250	101	101	M30	25
UCFS 320		100													
320-64	4		310	242	39	74	94	20	32	42	260	105	105	M33	30
UCFS 322		100	340	266	35	71	96	25	35	46	300	106	106	M36	39
UCFS 324		120	370	290	35	80	110	30	40	51	330	110	110	M36	54
UCFS 326		130	410	320	35	85	115	30	45	54	360	116	116	M36	71
UCFS 328		140	450	350	45	95	125	30	55	59	400	131	131	M36	100





NAFU200 Series

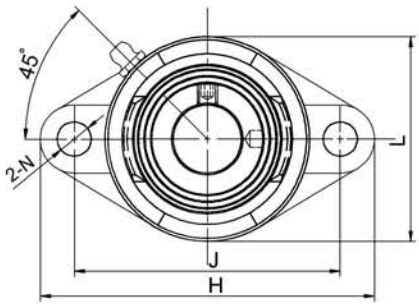
Unit No.	Shaft Dia d (in)	Shaft Dia d (mm)	L	J	A2	A1	A	N	B1	S	Z	Bolt Size (mm)	Weight (kg)
NAFU 201S		12	76	54	15	11	24.5	11.5	37.3	13.9	38.4	M10	0.66
201-8S	1/2												
202S		15											
202-10S	5/8												
203S		17											
203-11S	11/16												
NAFU 201		12	86	63.5	19	15	29.5	11.5	43.7	17	45.5	M10	0.8
201-8	1/2												
202		15											
202-10	5/8												
203		17											
203-11	11/16												
204		20											
204-12	3/4												
NAFU 205		25	93	70	19	15	30	11.5	44.4	17.4	45.9	M10	0.95
205-11	7/8												
205-15	15/16												
205-16	1												
NAFU 206		30	106	82.5	20	16	32.5	11.5	48.4	18.2	50.1	M10	1.32
206-18	1-1/8												
206-19	1-3/16												
206-20	1-1/4												
NAFU 207		35	116	92	21	17	35	14	51.1	18.8	53.3	M12	1.77
207-20	1-1/4												
207-21	1-5/16												
207-22	1-3/16												
207-23	1-7/16												
NAFU 208		40	129	101.5	24	17	39	14	56.3	21.4	58.9	M12	2.22
208-24	1-1/2												
208-25	1-9/16												
NAFU 209		45	135	105	24	18	40	16	56.3	21.4	58.9	M14	2.63
209-26	1-5/8												
209-27	1-11/16												
209-28	1-3/4												
NAFU 210		50	143	111	28	20	45	18	62.7	24.6	66.1	M16	2.95
210-30	1-7/8												
210-31	1-15/16												
210-32	2												
NAFU 211		55	162	130	31	21	49	18	71.4	27.7	74.6	M16	4.10
211-32	2												
211-34	2-1/8												
211-35	2-3/16												
NAFU 212		60	175	143	34	22	53.5	18	77.8	30.9	80.8	M16	4.86
212-36	2-1/4												
212-38	2-3/8												
212-39	2-7/16												
NAFU 213		65	184	149	38	22	58	18	85.7	34.1	89.6	M16	5.90
213-40	2-1/2												
NAFU 214		70	188	152	38	23	60	18	85.7	34.1	89.6	M16	6.45
214-44	2-3/4												
NAFU 215		75	200	159	41	24	62	18	92.1	37.3	95.8	M16	7.55
215-47	2-15/16												
215-48	3												
NAFU 216		80	207	165	42	25	63	22	95.2	37.3	99.9	M20	8.65

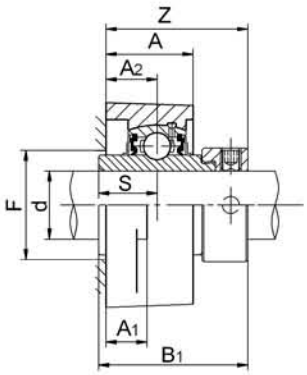


UCFL200 Series

Unit No.	Shaft Dia d (in)	Shaft Dia d (mm)	H	J	A2	A1	A	N	L	B	S	Z	A3	Bolt Size (mm)	Weight (kg)
UCWFL201		12	97	76.5	15	11	25.5	11.5	55	27.4	11.5	30.9		M10	0.52
202		15													0.48
203		17													0.37
UCFL201		12	113	90	15	11	25.5	12	60	31	12.7	33.3		M10	0.51
201-8	1/2														
UCFL 202		15	113	90	15	11	25.5	12	60	31	12.7	33.3		M10	0.51
202-9	9/16														
202-10	5/8														
UCFL203		17	113	90	15	11	25.5	12	60	31	12.7	33.3		M10	0.51
203-11	11/16														
UCFL204		20	113	90	15	11	25.5	12	60	31	12.7	33.3	38.2	M10	0.51
204-12	3/4														
UCFL205		25	130	99	16	13	27	16	68	34.1	14.3	35.8	40	M14	0.6
205-14	7/8														
205-15	15/16														
205-16	1														
UCFL206		30	148	117	18	13	31	16	80	38.1	15.9	40.2	44	M14	0.9
206-17	1-1/16														
206-18	1-1/8														
206-19	1-3/16														
206-20	1-1/4														
UCFL207		35	160	130	19	15	34	16	90	42.9	17.5	44.4	48.5	M14	1.2
207-20	1-1/4														
207-21	1-5/16														
207-22	1-3/8														
207-23	1-7/16														
UCFL208		40	175	144	21	15	36	16	100	49.2	19	51.2	55.1	M14	1.5
208-24	1-1/2														
208-25	1-9/16														
UCFL209		45	188	148	22	16	38	19	108	49.2	19	52.2	57	M16	1.9
209-26	1-5/8														
209-27	1-11/16														
209-28	1-3/4														
UCFL210		50	197	157	22	16	40	19	115	51.6	19	54.6	60	M16	2.2
210-30	1-7/8														
210-31	1-15/16														
210-32	2														
UCFL211		55	224	184	25	18	43	19	125	55.6	22.2	58.4	63	M16	3.0
211-32	2														
211-34	2-1/8														
211-35	2-3/16														
UCFL212		60	250	202	29	18	48	23	140	65.1	25.4	68.7	73.5	M20	4.0
212-36	2-1/4														
212-38	2-3/8														
212-39	2-7/16														
UCFL213		65	258	210	30	22	50	23	155	65.1	25.4	69.7	74.5	M20	5.0
213-40	2-1/2														
UCFL214		70	265	216	31	22	54	23	160	74.6	30.2	75.4	80	M20	5.6
214-44	2-3/4														
UCFL215		75	275	225	34	22	56	23	165	77.8	33.3	78.5	82.5	M20	6.2
215-47	2-15/16														
215-48	3														
UCFL216		80	290	233	34	22	58	25	180	82.6	33.3	83.3	89	M22	7.8
UCFL217		85	305	248	36	24	63	25	190	85.7	34.1	87.6	93.1	M22	9.8
217-52	3-1/4														
UCFL218		90	320	265	40	24	68	25	205	96	39.7	96.3	102	M22	12.4
218-56	3-1/2														

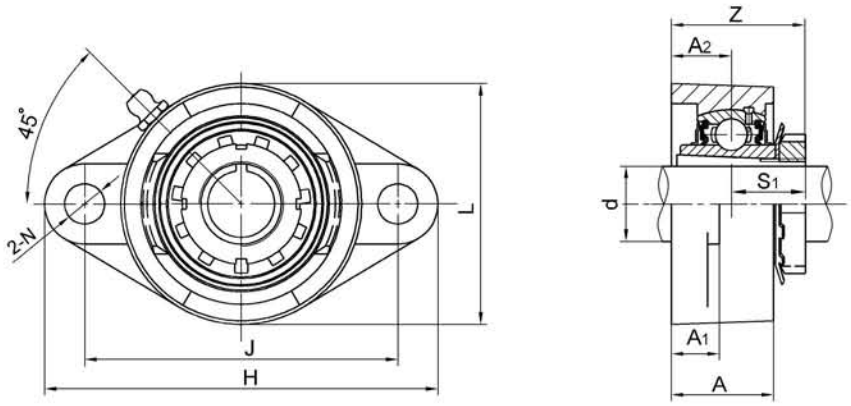
NOTE: 1 Open / Close (S/SM) covers are optional





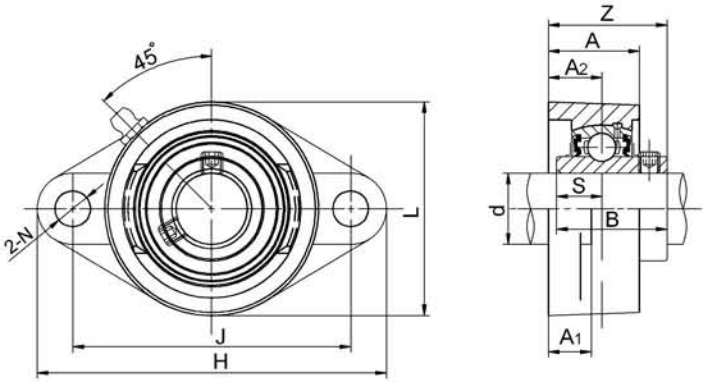
NAFL200 Series

Unit No.	Shaft Dia d (in)	Shaft Dia d (mm)	H	J	A2	A1	A	N	L	B1	S	Z	F	Bolt Size (mm)	Weight (kg)
NAFL201S		12													
201-8S	1/2														
202S		15													
202-10S	5/8		97	76.5	15	11	25.5	11.5	55	37.3	13.9	38.2	--	M10	0.48
203S		17													
203-11S	11/16														
NAFL201		12													
201-8	1/2														
202		15													
202-10	5/8		113	90	15	11	25.5	12	60	43.7	17.1	41.6	32	M10	0.73
203		17													
203-11	11/16														
204		20													
204-12	3/4														
NAFL205		25													
205-14	7/8														
205-15	15/16		130	99	16	13	27	16	68	44.4	17.5	42.9	36	M14	0.80
205-16	1														
NAFL206		30													
206-17	1-1/16														
206-18	1-1/8		148	117	18	13	31	16	80	48.4	18.3	48.1	42	M14	1.2
206-19	1-3/16														
206-20	1-1/4														
NAFL207		35													
207-20	1-1/4														
207-21	1-5/16		160	130	19	15	34	16	90	51.1	18.8	51.3	49	M14	1.6
207-22	1-3/8														
207-23	1-7/16														
NAFL208		40													
208-24	1-1/2		175	144	21	15	36	16	100	56.3	21.4	55.9	55	M14	1.9
208-25	1-9/16														
NAFL209		45													
209-26	1-5/8														
209-27	1-11/16		188	148	22	16	38	19	108	56.3	21.4	56.9	--	M16	2.30
209-28	1-3/4														
NAFL210		50													
210-30	1-7/8		197	157	22	16	40	19	115	62.7	24.6	60.1	64	M16	2.60
210-31	1-15/16														
NAFL211		55													
211-32	2														
211-34	2-1/8		224	184	25	18	43	19	125	71.4	27.8	68.6	71	M16	3.80
211-35	2-3/16														
NAFL212		60													
212-36	2-1/4														
212-38	2-3/8		250	202	29	18	48	23	140	77.8	31	75.8	78	M20	4.80
212-39	2-7/16														
NAFL213		65	258	210	30	22	50	23	153	85.7	34.1	81.6	85	M20	6
213-40	2-1/2														
NAFL214		70	265	216	31	22	54	23	160	85.7	34.1	82.6	91	M20	6.3
214-44	2-3/4														
NAFL215		75	275	225	34	22	56	23	165	92.1	37.3	88.8	96	M20	7.2
215-48	3														
NAFL216		80	290	233	34	22	58	25	180	95.2	37.3	91.9		M22	7.37



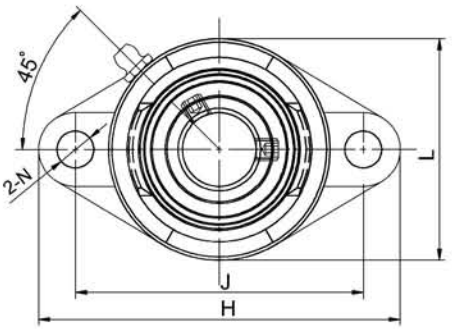
UKFL200+H Series

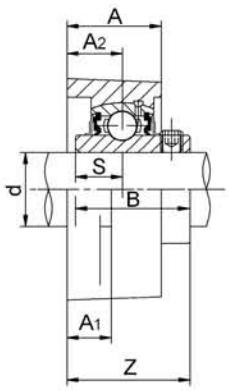
Unit No.	Shaft Dia d (in)	Shaft Dia d (mm)	Dimensions (mm) H	J	A2	A1	A	N	L	S1	Z	Bolt Size (mm)	Weight (kg)
UKFL205+H2305		20	130	99	16	13	27	16	68	18.5	34.5	M14	0.6
205+HE2305	3/4												
UKFL206+H2306		25	148	117	18	13	31	16	80	20.5	38.5	M14	0.96
206+HS2306	7/8												
206+HA2306	15/16												
206+HE2306	1												
UKFL207+H2307		30	160	130	19	15	34	16	90	22.5	41.5	M14	1.3
207+HS2307	1-1/8												
207+HA2307	1-3/16												
UKFL208+H2308		35	175	144	21	15	36	16	100	24.5	45.5	M14	1.6
208+HE2308	1-1/4												
208+HS2308	1-3/8												
UKFL209+H2309		40	188	148	22	16	38	19	108	26	48	M16	2.0
209+HA2309	1-7/16												
209+HE2309	1-1/2												
UKFL210+H2310		45	197	157	22	16	40	19	115	27.5	49.5	M16	2.3
210+HS2310	1-5/8												
210+HA2310	1-11/16												
210+HE2310	1-3/4												
UKFL211+H2311		50	224	184	25	18	43	19	125	28.5	53.5	M16	3.3
211+HS2311	1-7/8												
211+HA2311	1-15/16												
211+HE2311	2												
UKFL212+H2312		55	250	202	29	18	48	23	140	31	60	M20	4.0
212+HS2312	2-1/8												
UKFL213+H2313		60	258	210	30	22	50	23	155	32	62	M20	5.1
213+HA2313	2-3/16												
213+HE2313	2-1/4												
213+HS2313	2-3/8												
UKFL215+H2315		65	275	225	34	22	56	23	165	35.5	69.5	M20	6.4
215+HA2315	2-7/16												
215+HE2315	2-1/2												
UKFL216+H2316		70	290	233	34	22	58	25	180	39	73	M22	8.0
216+HA2316	2-11/16												
216+HE2316	2-3/4												



UCFLX00 Series

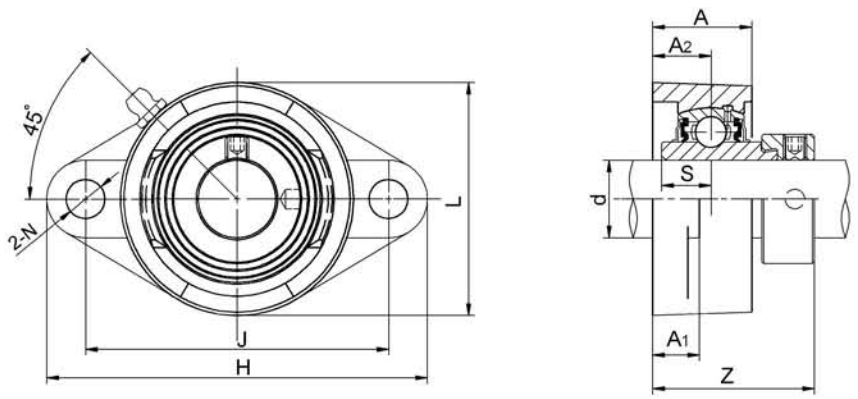
Unit No.	Shaft Dia d (in)	Shaft Dia d (mm)	H	J	A2	A1	A	N	L	B	S	Z	Bolt Size (mm)	Bolt Size (in)	Weight (kg)
UCFLX05		25													
05-13	13/16														
05-14	7/8		141	117	18	13	30	12	83	38.1	15.9	40.2	M14	3/8	1.0
05-15	15/16														
05-16	1														
UCFLX06		30													
06-17	1-1/16														
06-18	1-1/8		156	130	19	15	34	16	95	42.9	17.5	44.4	M14	1/2	1.5
06-19	1-3/16														
06-20	1-1/4														
UCFLX07		35													
07-21	1-5/16														
07-22	1-3/8		171	144	21	16	38	16	105	49.2	19	51.2	M14	1/2	2.0
07-23	1-7/16														
UCFLX08															
08-24	1-1/2	40	179	148	22	16	40	16	111	49.2	19	52.2	M14	1/2	2.2
08-25	1-9/16														
UCFLX09															
09-26	1-5/8														
09-27	1-11/16	45	189	157	23	16	40	16	116	51.6	19	55.6	M16	1/2	2.4
09-28	1-3/4														
09-29	1-13/16														
UCFLX10															
10-30	1-7/8	50	216	184	26	18	44	19	133	55.6	22.2	59.4	M16	5/8	3.4
10-31	1-15/16														
10-32	2														





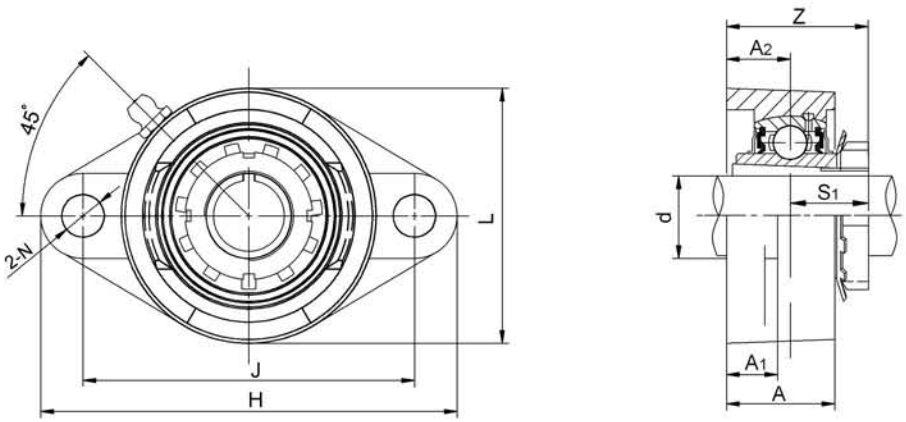
UCFL300 Series

Unit No.	Shaft Dia	Dimensions(mm)										Bolt Size (mm)	Weight (kg)
		H	J	A_2	A_1	A	N	L	B	S	Z		
UCFL305	25	150	113	16	13	29	19	80	38	15	39	M16	1.10
UCFL306	30	180	134	18	15	32	23	90	43	17	44	M20	1.60
UCFL307	35	185	141	20	16	36	23	100	48	19	49	M20	2.00
UCFL308	40	200	158	23	17	40	23	112	52	19	56	M20	2.60
UCFL309	45	230	177	25	18	44	25	125	57	22	60	M22	3.63
UCFL310	50	240	187	28	19	48	25	140	61	22	67	M22	4.60
UCFL311	55	250	198	30	20	52	25	150	66	25	71	M22	5.30
UCFL312	60	270	212	33	22	56	31	160	71	26	78	M27	6.40
UCFL313	65	295	240	33	25	58	31	175	75	30	78	M27	8.20
UCFL314	70	315	250	36	28	61	35	185	78	33	81	M30	10.00
UCFL315	75	320	260	39	30	66	35	195	82	32	89	M30	11.00
UCFL316	80	355	285	38	32	68	38	210	86	34	90	M33	14.30
UCFL317	85	370	300	44	32	74	38	220	96	40	100	M33	16.20
UCFL318	90	385	315	44	36	76	38	235	96	40	100	M33	19.20
UCFL319	95	405	330	59	40	94	41	250	103	41	121	M36	21.80
UCFL320	100	440	360	59	40	94	44	270	108	42	125	M39	26.50
UCFL321	105	440	360	59	40	94	44	270	112	44	127	M39	28.20
UCFL322	110	470	390	60	42	96	44	300	117	46	131	M39	33.10
UCFL324	120	520	430	65	48	110	47	330	126	51	140	M42	45.70
UCFL326	130	550	460	65	50	115	47	360	135	54	146	M42	57.50
UCFL328	140	600	500	75	60	125	51	400	145	59	161	M45	79.70



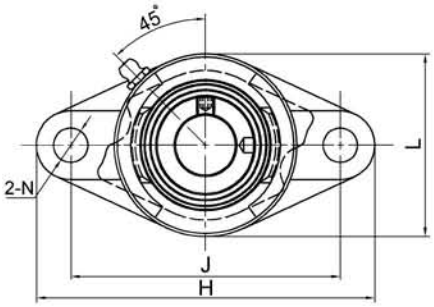
NAFL300 Series

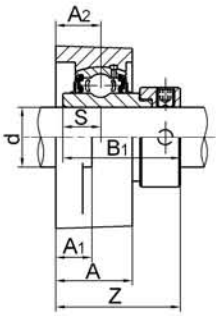
Unit No.	Shaft Dia d (in)	Shaft Dia d (mm)	H	J	A2	A1	A	N	L	S	Z	Bolt Size (mm)	Weight (kg)
NAFL305		25											
305-14	7/8		150	113	16	13	29	19	80	16.7	46.1	M16	1.1
305-15	15/16												
305-16	1												
NAFL306		30											
306-18	1-1/8		180	134	18	15	32	23	90	17.5	50.5	M20	1.6
306-19	1-3/16												
NAFL307		35											
307-20	1-1/4												
307-21	1-5/16		185	141	20	16	36	23	100	18.3	53.3	M20	2.0
307-22	1-3/8												
307-23	1-7/16												
NAFL308		40											
308-24	1-1/2		200	158	23	17	40	23	112	19.8	60.3	M20	2.6
308-25	1-9/16												
NAFL309		45											
309-26	1-5/8		230	177	25	18	44	25	125	19.8	63.9	M22	3.6
309-27	1-11/16												
309-28	1-3/4												
NAFL310		50											
310-30	1-7/8		240	187	28	19	48	25	140	24.6	70	M22	4.6
310-31	1-15/16												
NAFL311		55											
311-32	2		250	198	30	20	52	25	150	27.8	75.2	M22	5.3
311-34	2-1/8												
311-35	2-3/16												
NAFL312		60											
312-36	2-1/4		270	212	33	22	56	31	160	29.5	80	M27	6.4
312-38	2-3/8												
312-39	2-7/16												
NAFL313		65	295	240	33	25	58	31	175	32.55	86.2	M27	8.2
313-40	2-1/2												
NAFL314		70	315	250	36	28	61	35	185	34.15	93.95	M30	9.5
314-44	2-3/4												
NAFL315		75	320	260	39	30	66	35	195	37.3	101.7	M30	11
315-48	3												
NAFL316		80	355	285	38	32	68	38	210	40.5	103.9	M33	14



UKFL300+H Series

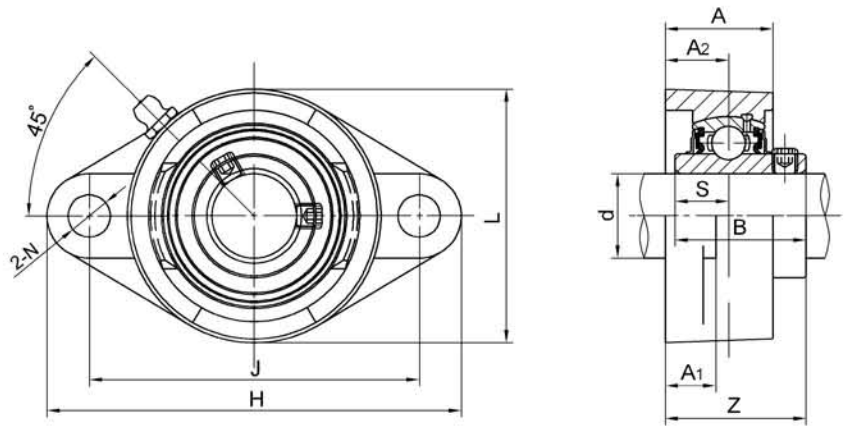
Unit No.	Shaft Dia d		Dimensions (mm)									Bolt Size (mm)	Weight (kg)
	(in)	(mm)	H	J	A_2	A_1	A	N	L	S_1	Z		
UKFL305+H2305		20	150	113	16	13	29	19	80	21.5	37.5	M16	1.1
305+HE2305	3/4												
UKFL306+H2306		25	180	134	18	15	32	23	90	23	41	M20	1.5
306+HS2306	7/8												
306+HA2306	15/16												
306+HE2306	1												
UKFL307+H2307		30	185	141	20	16	36	23	100	25.5	45.5	M20	1.8
307+HS2307	1-1/8												
307+HA2307	1-3/16												
UKFL308+H2308		35	200	158	23	17	40	23	112	27.5	50.5	M20	2.5
308+HE2308	1-1/4												
308+HS2308	1-3/8												
UKFL309+H2309		40	230	177	25	18	44	25	125	30	55	M22	3.5
309+HA2309	1-7/16												
309+HE2309	1-1/2												
UKFL310+H2310		45	240	187	28	19	48	25	140	32	60	M22	4.4
310+HS2310	1-5/8												
310+HA2310	1-11/16												
310+HE2310	1-3/4												
UKFL311+H2311		50	250	198	30	20	52	25	150	33.5	63.5	M22	5.1
311+HS2311	1-7/8												
311+HA2311	1-15/16												
311+HE2311	2												
UKFL312+H2312		55	270	212	33	22	56	31	160	36.5	69.5	M27	6.0
312+HS2312	2-1/8												
UKFL313+H2313		60	295	240	33	25	58	31	175	38.5	71.5	M27	7.6
313+HA2313	2-3/16												
313+HE2313	2-1/4												
313+HS2313	2-3/8												
UKFL315+H2315		65	320	260	39	30	66	35	195	42.5	81.5	M30	10
315+HA2315	2-7/16												
315+HE2315	2-1/2												
UKFL316+H2316		70	355	285	38	32	68	38	210	44.5	52.5	M33	13
316+HA2316	2-11/16												
316+HE2316	2-3/4												





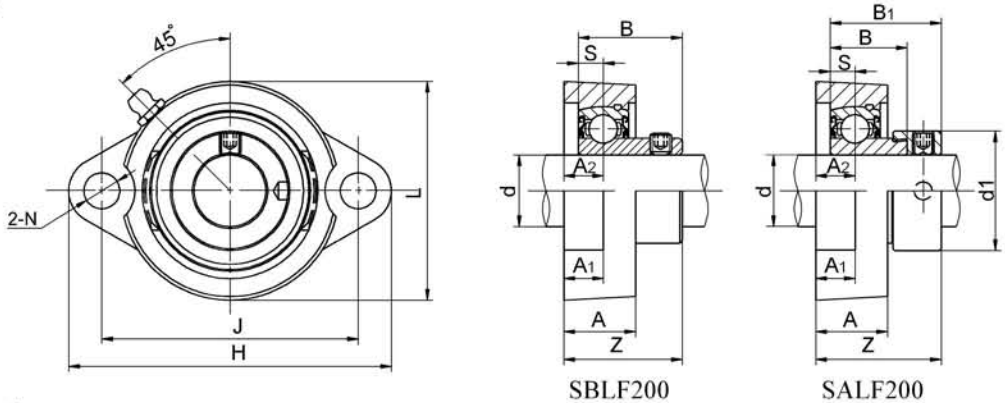
NAFLU200 Series

Unit No.	Shaft Dia d (in)	Shaft Dia d (mm)	H	J	L	A2	A1	A	N	B1	S	Z	Bolt Size (mm)	Weight (kg)
NAFLU 201S		12	99	76.5	57	15	11	24.5	11.5	37.3	13.9	38.4	M10	0.66
201-8S	1/2													
202S		15												
202-10S	5/8													
203S		17												
203-11S	11/16													
NAFLU 201		12	112.5	90	61	19	15	29.5	11.5	43.7	17	45.5	M10	0.73
201-8	1/2													
202		15												
202-10	5/8													
203		17												
203-11	11/16													
204		20												
204-12	3/4													
NAFLU 205		25	123	99	70	19	15	30	11.5	44.4	17.4	45.9	M14	0.8
205-14	7/8													
205-15	15/16													
205-16	1													
NAFLU 206		30	142	116.5	80	20	13	32.5	11.5	48.4	18.2	50.1	M14	1.2
206-18	1-1/8													
206-19	1-3/16													
206-20	1-1/4													
NAFLU 207		35	158	130	94	21	17	36	14	51.1	18.8	53.3	M14	1.6
207-20	1-1/4													
207-21	1-5/16													
207-22	1-3/16													
207-23	1-7/16													
NAFLU 208		40	172	143.5	103	24	17	39	14	56.3	21.4	58.9	M14	1.9
208-24	1-1/2													
208-25	1-9/16													
NAFLU 209		45	180	148.5	108	24	18	40	16	56.3	21.4	58.9	M16	2.3
209-26	1-5/8													
209-27	1-11/16													
209-28	1-3/4													
NAFLU 210		50	190	157	114	28	20	45	18	62.7	24.6	66.1	M16	2.6
210-30	1-7/8													
210-31	1-15/16													
210-32	2													
NAFLU 211		55	217	184	128	31	21	48	18	71.4	27.7	74.6	M16	3.8
211-32	2													
211-34	2-1/8													
211-35	2-3/16													
NAFLU 212		60	237	202	138	34	21	53	18	77.8	30.9	80.8	M20	4.8
212-36	2-1/4													
212-38	2-3/8													
212-39	2-7/16													
NAFLU 213		65	256	210	152	38	22	56	21	85.7	34.1	89.6	M20	6.0
213-40	2-1/2													
NAFLU 214		70	264	216	157	38	23	58	21	85.7	34.1	89.6	M20	6.3
214-44	2-3/4													
NAFLU 215		75	275	225	164	41	24	62	21	92.1	37.3	95.8	M20	7.2
215-47	2-15/16													
215-48	3													



UCFT200 Series

Unit No.	Shaft Dia d (in)	Shaft Dia d (mm)	H	J	A2	A1	A	N	L	B	S	Z	Bolt Size (mm)	Weight (kg)
UCFT201		12												
201-8	1/2													
202		15												
202-9	9/16		112	76.2	17.1	11	25	10.5	60	26	10	33.1	M8	0.4
202-10	5/8													
203		17												
203-11	11/16													
UCFT204		20												
204-12	3/4			89.7	14.3	11	25	10.5	60	31	12.7	32.6	M8	0.45
UCFT205		25												
205-13	13/16													
205-14	7/8		124	98.8	15.9	13	27	12.5	70	34.1	14.3	35.6	M10	0.66
205-15	15/16													
205-16	1													
UCFT206		30												
206-17	1-1/16													
206-18	1-1/8		141	116.7	17.9	13	30	12.5	83	38.1	15.9	40.1	M10	0.86
206-19	1-3/16													
206-20	1-1/4													
UCFT207		35												
207-20	1-1/4													
207-21	1-5/6		156	130.2	19.1	14	34	14	95	42.9	17.5	44.5	M12	1.31
207-22	1-3/8													
207-23	1-7/16													
UCFT208		40												
208-24	1-1/2		171	143.7	21	14	38	14	105	49.2	19	51.2	M12	1.53
208-25	1-9/16													
UCFT209		45												
209-26	1-5/8													
209-27	1-11/16		179	148.4	21.8	14	40	16	111	49.2	19	52	M14	1.73
209-28	1-3/4													
UCFT210		50												
210-29	1-13/16													
210-30	1-7/8		189	157.2	22.2	14	40	16	116	51.6	19	54.8	M14	2.28
210-31	1-15/16													
210-32	2													
UCFT211		55												
211-32	2													
211-33	2-1/16		216	184.2	25.4	21	44	18	133	55.6	22.2	58.8	M16	2.72
211-34	2-1/8													
211-35	2-3/16													

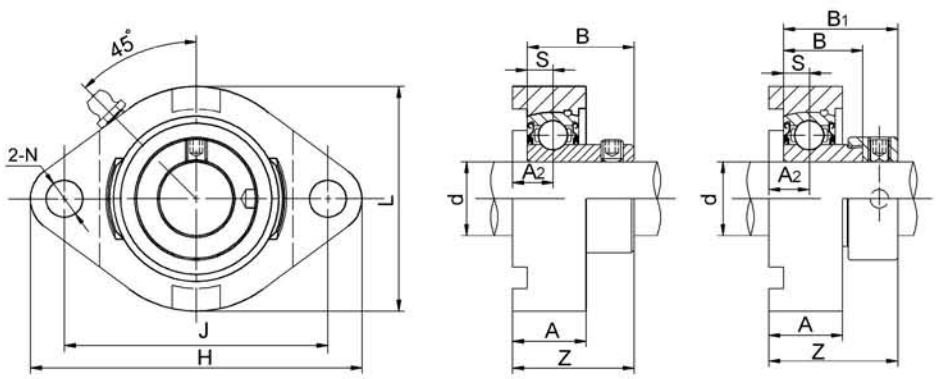


SBLF200 Series

Unit No.	Shaft Dia d (in)	Shaft Dia d (mm)	H	J	A2	A1	A	N	L	B	S	Z	Bolt Size (mm)	Weight (kg)
SBLF201		12	81	63.5	9.5	9.5	18.0	8	56	22	6.0	25.5	M6	0.27
201-8	1/2													
SBLF202		15	81	63.5	9.5	9.5	18.0	8	56	22	6.0	25.5	M6	0.25
202-9	9/16													
202-10	5/8													
SBLF203		17	81	63.5	9.5	9.5	18.0	8	56	22	6.0	25.5	M6	0.25
203-11	11/16													
SBLF204		20	90	71.5	11.0	11.0	20.0	10	61	25	7.0	29.0	M8	0.33
204-12	3/4													
SBLF205		25	95	76.0	11.0	11.0	20.0	10	64	27	7.5	30.5	M8	0.38
205-14	7/8													
205-15	15/16													
205-16	1													
SBLF206		30	113	90.5	12.0	12.0	22.5	12	76	30	8.0	34.0	M10	0.56
206-17	1-11/16													
206-18	1-1/8													
206-19	1-3/16													
206-20	1-1/4													
SBLF207		35	122	100	13	13.0	24	12	89	32	8.5	36.5	M10	0.8
207-20	1-1/4													
207-21	1-5/16													
207-22	1-3/8													
207-23	1-7/16													
SBLF208		40	150	119	13.5	13.0	25	14	106	34	9	38.5	M12	
208-24	1-1/2													
208-25	1-9/16													

SALF200 Series

Unit No.	Shaft Dia d (in)	Shaft Dia d (mm)	H	J	A2	A1	A	N	L	B1	B	S	Z	d1	Bolt Size (mm)	Weight (kg)
SALF201		12	81	63.5	9.5	9.5	18.0	8	56	28.6	19.1	6.0	32.1	28.6	M6	0.28
201-8	1/2															
SALF202		15	81	63.5	9.5	9.5	18.0	8	56	28.6	19.1	6.0	32.1	28.6	M6	0.28
202-9	9/16															
202-10	5/8															
SALF203		17	81	63.5	9.5	9.5	18.0	8	56	28.6	19.1	6.0	32.1	28.6	M6	0.28
203-11	11/16															
SALF204		20	90	71.5	11.0	11.0	20.0	10	61	31	21.5	7.0	35	33.3	M8	0.33
204-12	3/4															
SALF205		25	95	76.0	11.0	11.0	20.0	10	64	31.5	22	7.5	35	38.1	M8	0.42
205-14	7/8															
205-15	15/16															
205-16	1															
SALF206		30	113	90.5	12.0	12.0	22.5	12	76	35.7	23.8	8.0	39.7	44.5	M10	0.6
206-17	1-11/16															
206-18	1-1/8															
206-19	1-3/16															
206-20	1-1/4															
SALF207		35	122	100	13.0	13.0	24.0	12	89	38.9	25.4	8.5	43.4	55.6	M10	0.85
207-20	1-1/4															
207-21	1-5/16															
207-22	1-3/8															
207-23	1-7/16															
SALF208		40	150	119	13.5	13	25	14	106	43.7	30.2	9	48.2	60.3	M12	
208-24	1-1/2															
208-25	1-9/16															



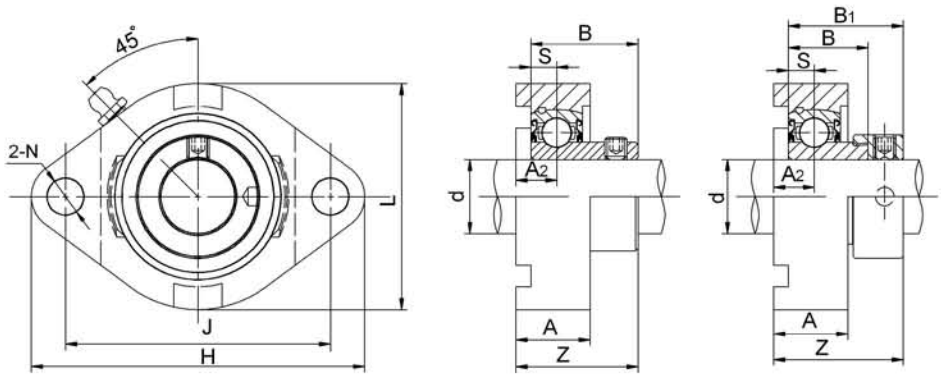
SBFW200 SAFW200

SBFW200 Series

Unit No.	Shaft Dia d (in)	Shaft Dia d (mm)	H	J	A2	A	N	L	B	S	Z	Bolt Size (mm)	Weight (kg)
SBFW 201		12	81	63.5	8.5	15	7	59	22	6	24.5	M6	0.28
201-8	1/2												
SBFW 202		15	81	63.5	8.5	15	7	59	22	6	24.5	M6	0.27
202-9	9/16												
202-10	5/8												
SBFW 203		17	81	63.5	8.5	15	7	59	22	6	24.5	M6	0.26
203-11	11/16												
SBFW 204		20	90	71	9.5	17	9	67	25	7	27.5	M8	0.37
204-12	3/4												
SBFW 205		25	95	76	9.5	17.5	9	71	27	7.5	29	M8	0.44
205-14	7/8												
205-15	15/16												
205-16	1												
SBFW 206		30	113	90	12	20.5	12	84	30	8	34	M10	0.7
206-17	1-1/16												
206-18	1-1/8												
206-19	1-3/16												
206-20	1-1/4												
SBFW 207		35	125	100	12.5	22	11.5	93	32	8.5	36	M10	0.91
207-20	1-1/4												
207-21	1-5/16												
207-22	1-3/8												
207-23	1-7/16												
SBFW 208		40	148	119	14.5	25	13.5	103	34	9	39.9	M12	1.2
208-24	1-1/2												
208-25	1-9/16												

SAFW200 Series

Unit No.	Shaft Dia d (in)	Shaft Dia d (mm)	H	J	A2	A	N	L	B1	B	S	Z	Bolt Size (mm)	Weight (kg)
SAFW 201		12	81	63.5	8.5	15	7	59	28.6	19.1	6	31.1	M6	0.28
201-8	1/2													
SAFW 202		15	81	63.5	8.5	15	7	59	28.6	19.1	6	31.1	M6	0.27
202-9	9/16													
202-10	5/8													
SAFW 203		17	81	63.5	8.5	15	7	59	28.6	22	6	31.1	M6	0.26
203-11	11/16													
SAFW 204		20	90	71	9.5	17	9	67	31	21.5	7	33.5	M8	0.37
204-12	3/4													
SAFW 205		25	95	76	9.5	17.5	9	71	31.5	22	7.5	33.5	M8	0.44
205-14	7/8													
205-15	15/16													
205-16	1													
SAFW 206		30	113	90	12	20.5	12	84	35.7	23.8	8.0	39.7	M10	0.7
206-17	1-1/16													
206-18	1-1/8													
206-19	1-3/16													
206-20	1-1/4													
SAFW 207		35	125	100	12.5	22	11.5	93	38.9	25.4	8.5	42.9	M10	0.91
207-20	1-1/4													
207-21	1-5/16													
207-22	1-3/8													
207-23	1-7/16													
SAFW 208		40	148	119	14.5	25	13.5	103	43.7	30.2	9	49.2	M12	1.2
208-24	1-1/2													
208-25	1-9/16													



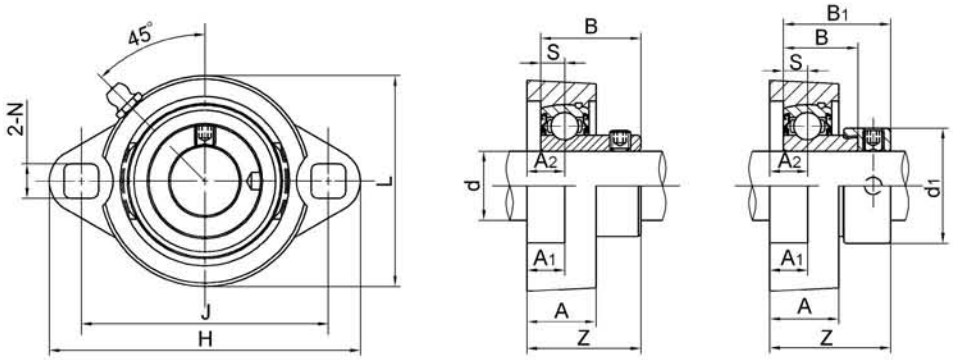
SBFD200 SAFD200

SBFD200 Series

Unit No.	Shaft Dia d (in)	Shaft Dia d (mm)	H	J	A2	A	N	L	B	S	Z	Bolt Size (mm)	Weight (kg)
SBFD 201 201-8	1/2	12	81	63.5	8.5	15	7	59	22	6	24.5	M6	0.28
SBFD 202 202-9 202-10	9/16 5/8	15	81	63.5	8.5	15	7	59	22	6	24.5	M6	0.27
SBFD 203 203-11	11/16	17	81	63.5	8.5	15	7	59	22	6	24.5	M6	0.26
SBFD 204 204-12	3/4	20	90	71	9.5	17	9	67	25	7	27.5	M8	0.37
SBFD 205 205-14 205-15 205-16	7/8 15/16 1	25	95	76	9.5	17.5	9	71	27	7.5	29	M8	0.44
SBFD 206 206-17 206-18 206-19 206-20	1-1/16 1-1/8 1-3/16 1-1/4	30	113	90	12	20.5	12	84	30	8	34	M10	0.7
SBFD 207 207-20 207-21 207-22 207-23	1-1/4 1-5/16 1-3/8 1-7/16	35	125	100	12.5	22	11.5	93	32	8.5	36	M10	0.91
SBFD 208 208-24 208-25	1-1/2 1-9/16	40	148	119	14.5	25	13.5	103	34	9	39.5	M12	1.2

SAFD200 Series

Unit No.	Shaft Dia d (in)	Shaft Dia d (mm)	H	J	A2	A	N	L	B1	B	S	Z	Bolt Size (mm)	Weight (kg)
SAFD 201 201-8	1/2	12	81	63.5	8.5	15	7	59	28.6	19.1	6	31.1	M6	0.28
SAFD 202 202-9 202-10	9/16 5/8	15	81	63.5	8.5	15	7	59	28.6	19.1	6	31.1	M6	0.27
SAFD 203 203-11	11/16	17	81	63.5	8.5	15	7	59	28.6	19.1	6	31.1	M6	0.26
SAFD 204 204-12	3/4	20	90	71	9.5	17	9	67	31	21.5	7	33.5	M8	0.37
SAFD 205 205-14 205-15 205-16	7/8 15/16 1	25	95	76	9.5	17.5	9	71	31.5	22	7.5	33.5	M8	0.44
SAFD 206 206-17 206-18 206-19 206-20	1-1/16 1-1/8 1-3/16 1-1/4	30	113	90	12	20.5	12	84	35.7	23.8	8	39.7	M10	0.7
SAFD 207 207-20 207-21 207-22 207-23	1-1/4 1-5/16 1-3/8 1-7/16	35	125	100	12.5	22	11.5	93	38.9	25.4	8.5	42.9	M10	0.91
SAFD 208 208-24 208-25	1-1/2 1-9/16	40	148	119	14.5	25	13.5	103	43.7	30.2	9	49.2	M12	1.2



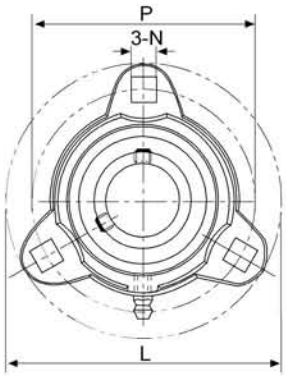
SBPFTD200 SAPFTD200

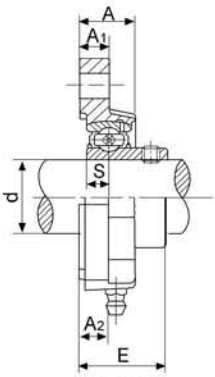
SBPFTD200 Series

Unit No.	Shaft Dia d (in)	Shaft Dia d (mm)	H	J	L	A2	A	A1	N	S	B	Z	Bolt Size (mm)	Bolt Size (in)	Weight (kg)
SBPFTD201		12													
201-8	1/2														
202		15													
202-10	5/8		81	63.5	56	9	18	9	8.7	6	22	25	M8	5/16	0.23
203		17													
203-11	11/16														
SBPFTD204-12	3/4		91	71.5	63	10.2	20	10.2	8.7	7	25	28.2	M8	5/16	0.27
204		20													
SBPFTD205-14	7/8														
205-15	15/16		96	76.2	69	10.5	19	8.7	8.7	7.5	27	28.2	M8	5/16	0.38
205		25													
205-16	1														
SBPFTD206-18	1-1/8														
206		30	113	90.5	79	11.5	22	11.5	10.3	8	30	33.5	M10	3/8	0.54
206-19	1-3/16														
206-20	1-1/4														
SBPFTD207-20	1-1/4														
207-21	1-5/16														
207-22	1-3/8		122.5	100	89	12.7	23.8	11.8	10.3	8.5	32	35.3	M10	3/8	0.71
207		35													
207-23	1-7/16														

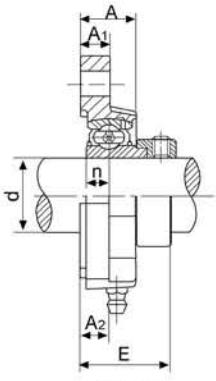
Unit No.	Shaft Dia d (in)	Shaft Dia d (mm)	H	J	L	A2	A	A1	N	S	B	B1	Z	Bolt Size (mm)	Bolt Size (in)	Weight (kg)
SAPFTD201		12														
201-8	1/2															
202		15														
202-10	5/8		81	63.5	56	9	18	9	8.7	6.5	19.1	28.6	31.1	M8	5/16	0.26
203		17														
203-11	11/16															
SAPFTD204-12	3/4		91	71.5	63	10.2	20	10.2	8.7	7.5	21.5	31	33.6	M8	5/16	0.29
204		20														
SAPFTD205-14	7/8															
205-15	15/16		96	76.2	69	10.5	19	8.7	8.7	7.5	22	31.5	32.1	M8	5/16	0.4
205		25														
205-16	1															
SAPFTD206-18	1-1/8															
206		30	113	90.5	79	11.5	22	11.5	10.3	9	23.8	35.7	38.2	M10	3/8	0.60
206-19	1-3/16															
206-20	1-1/4															
SAPFTD207-20	1-1/4															
207-21	1-5/16															
207-22	1-3/8		122.5	100	89	12.7	23.8	11.8	10.3	9.5	25.4	38.9	41.2	M10	3/8	0.84
207		35														
207-23	1-7/16															

BEARINGS





• SBFCT2



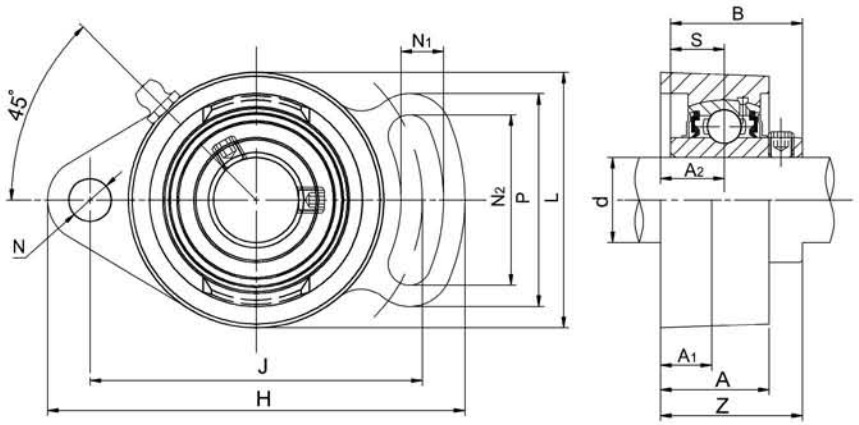
• SAFCT2

SBFCT200 Series

Unit No.	Shaft Dia d (in)	Shaft Dia d (mm)	L	P	A1	A	A2	N	S	E	Bolt Size		Bearing NO	Housing NO.	Weight (kg)
SBFCT201		12	81	63.5	10.7	19.1	10.7	7.1	6	26.7	M6	1/4	SB201	FCT203	0.21
201-8	1/2												201-8		
202		15											202		
202-10	5/8												202-10		
203		17											203		
203-11	11/16												203-11		
SBFCT204-12	3/4		90.5	71.4	11.1	19.8	11.1	8.7	7	29.1	M8	5/16	SB204-12	FCT204	0.32
204		20											204		
SBFCT205-14	7/8		95.2	76.2	10.3	19.8	10.3	8.7	7.5	29.8	M8	5/16	SB205-14	FCT205	0.36
205-15	15/16												205-15		
205		25											205		
205-16	1												205-16		
SBFCT206-18	1-1/8		113	90.5	12	22	12	10.3	8	34	M10	3/8	SB206-18	FCT206	0.57
206		30											206		
206-19	1-3/16												206-19		
206-20	1-1/4												206-20		
SBFCT207-20	1-1/4		122.5	100	12.7	23.8	12.7	10.3	8.5	36.2	M10	3/8	SB207-20	FCT207	0.71
207-21	1-5/16												207-21		
207-22	1-3/8												207-22		
207		35											207		
207-23	1-7/16												207-23		

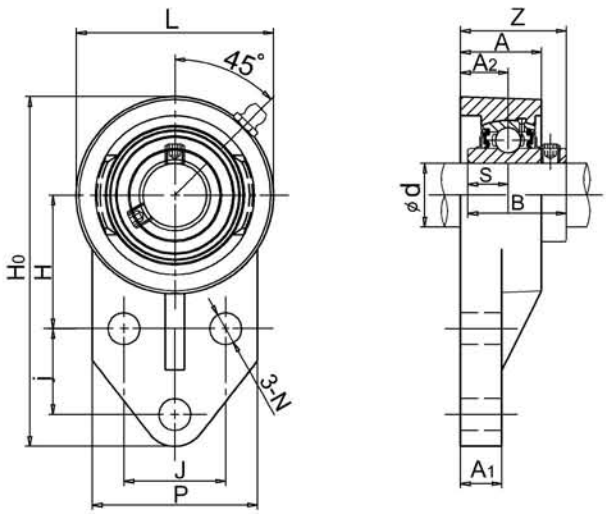
SAFCT200 Series

Unit No.	Shaft Dia d (in)	Shaft Dia d (mm)	L	P	A1	A	A2	S	n	E	Bolt Size		Bearing NO	Housing NO.	Weight (kg)
SAFCT201		12	81	63.5	10.7	19.1	10.7	7.1	6.5	32.8	M6	1/4	SA201	FCT203	0.26
201-8	1/2												201-8		
202		15											202		
202-10	5/8												202-10		
203		17											203		
203-11	11/16												203-11		
SAFCT204-12	3/4		90.5	71.4	11.1	19.8	11.1	8.7	7.5	34.5	M8	5/16	SA204-12	FCT204	0.34
204		20											204		
SAFCT205-14	7/8		95.2	76.2	10.3	19.8	10.3	8.7	7.5	33.7	M8	5/16	SA205-14	FCT205	0.39
205-15	15/16												205-15		
205		25											205		
205-16	1												205-16		
SAFCT206-18	1-1/8		113	90.5	12	22	12	10.3	9	38.7	M10	3/8	SA206-18	FCT206	0.61
206		30											206		
206-19	1-3/16												206-19		
206-20	1-1/4												206-20		
SAFCT207-20	1-1/4		122.5	100	12.7	23.8	12.7	10.3	9.5	42.1	M10	3/8	SA207-20	FCT207	0.82
207-21	1-5/16												207-21		
207-22	1-3/8												207-22		
207		35											207		
207-23	1-7/16												207-23		



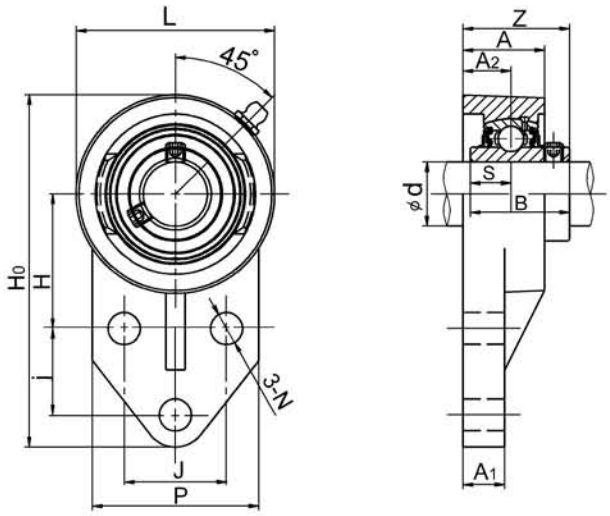
UCFA200 Series

Unit No.	Shaft Dia d (in)	Shaft Dia d (mm)	H	J	A2	A1	A	N	N1	N2	L	P	B	S	Z	Bolt Size (mm)	Weight (kg)
UCFA201		12	98	78	15	12	25.5	10	10	40	60	50	31	12.7	33.3	M8	0.53
201-8	1/2																
UCFA202		15	98	78	15	12	25.5	10	10	40	60	50	31	12.7	33.3	M8	0.49
202-9	9/16																
202-10	5/8																
UCFA203		17	98	78	15	12	25.5	10	10	40	60	50	31	12.7	33.3	M8	0.48
203-11	11/16																
UCFA204		20	98	78	15	12	25.5	10	10	40	60	50	31	12.7	33.3	M8	0.46
204-12	3/4																
UCFA205		25	125	98	16	14	27	12	13	51	70	65	34.1	14.3	35.8	M10	0.69
205-14	7/8																
205-15	15/16																
205-16	1																
UCFA206		30	142	117	18	14	31	12	13	58	83	72	38.1	15.9	40.2	M10	1.00
206-17	1-1/16																
206-18	1-1/8																
206-19	1-3/16																
206-20	1-1/4																
UCFA207		35	154	130	19	16	34	15	15	66	95	82	42.9	17.5	44.4	M12	1.50
207-20	1-1/4																
207-21	1-5/16																
207-22	1-3/8																
207-23	1-7/16																
UCFA208		40	172	144	21	16	38	15	15	71	105	87	49.2	19.0	51.2	M12	1.80
208-24	1-1/2																
208-25	1-9/16																
UCFA209		45	180	148	22	18	40	15	15	72	110	90	49.2	19.0	52.2	M14	2.10
209-26	1-5/8																
209-27	1-11/16																
209-28	1-3/4																
UCFA210		50	190	157	22	18	40	15	15	76	115	94	51.6	19.0	54.6	M14	2.30
210-30	1-7/8																
210-31	1-15/16																
210-32	2																
UCFA211		55	216	184	25	20	43	16	17	86	132	104	55.6	22.2	58.4	M14	3.60
211-32	2																
211-34	2-1/8																
211-35	2-3/16																



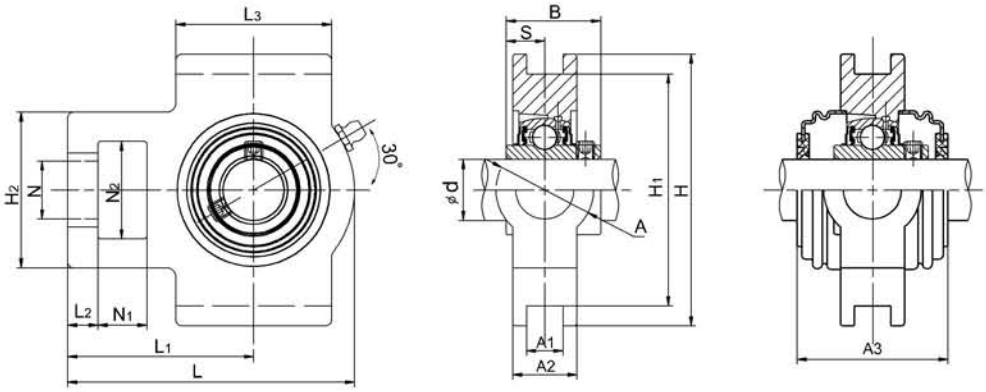
UCFB200 Series

Unit No.	Shaft Dia d (in)	Shaft Dia d (mm)	Dimensions(mm) H0	H	J	j	A2	A1	A	N	L	P	B	S	Z	Bolt Size (mm)	Weight (kg)
UCFB201		12	110	42	32	27	15	13	25.5	10	62	52	31	12.7	33.3	M8	0.62
UCFB201-8	1/2																
UCFB202		15	110	42	32	27	15	13	25.5	10	62	52	31	12.7	33.3	M8	0.58
UCFB202-9	9/16																
UCFB202-10	5/8																
UCFB203		17	110	42	32	27	15	13	25.5	10	60	52	31	12.7	33.3	M8	0.57
UCFB203-11	11/16																
UCFB204		20	110	42	32	27	15	13	25.5	10	62	52	31	12.7	33.3	M8	0.62
UCFB204-12	3/4																
UCFB205		25	116	45	34	27	16	13	27	10	68	56	34.1	14.3	35.7	M8	0.69
UCFB205-14	7/8																
UCFB205-15	15/16																
UCFB205-16	1																
UCFB206		30	130	50	40	29	18	13	31	10	79	65	38.1	15.9	40.2	M8	0.93
UCFB206-17	1-1/16																
UCFB206-18	1-1/8																
UCFB206-19	1-3/16																
UCFB206-20	1-1/4																
UCFB207		35	144	55	46	32	19	15	34	10	90	70	42.9	17.5	44.4	M8	1.30
UCFB207-20	1-1/4																
UCFB207-21	1-5/16																
UCFB207-22	1-3/8																
UCFB207-23	1-7/16																
UCFB208		40	164	60	50	41	21	16	36	12	100	78	49.2	19.0	51.2	M10	1.80
UCFB208-24	1-1/2																
UCFB208-25	1-9/16																
UCFB209		45	174	65	54	43	22	18	38	12	106	80	49.2	19.0	52.2	M10	2.00
UCFB209-26	1-5/8																
UCFB209-27	1-11/16																
UCFB209-28	1-3/4																
UCFB210		50	184	68	58	46	22	18	40	12	112	86	51.6	19.0	54.6	M10	2.30
UCFB210-30	1-7/8																
UCFB210-31	1-15/16																
UCFB210-32	2																



UCFB200A Series

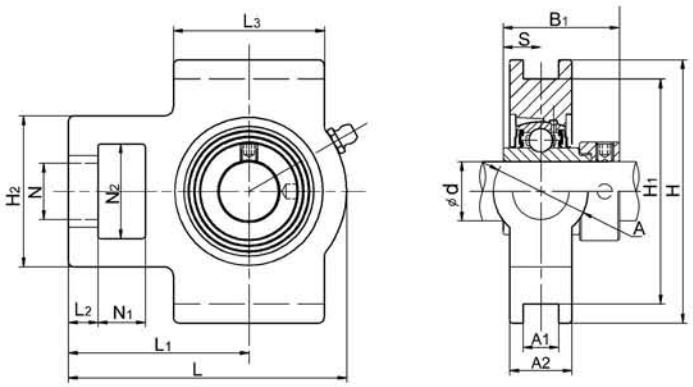
Unit No.	Shaft Dia d		Dimensions(mm)													Bolt Size (mm)	Weight (kg)
	(in)	(mm)	H0	H	J	j	A2	A1	A	N	L	P	B	S	Z		
UCFB201A UCFB201-8A	1/2	12	107.95	42.86	38.1	22.22	15.88	7.94	25.4	9.92	63.5	60.33	31	12.7	34.18	M8	0.62
UCFB202A UCFB202-9A UCFB202-10A	9/16 5/8	15	107.95	42.86	38.1	22.22	15.88	7.94	25.4	9.92	63.5	60.33	31	12.7	34.18	M8	0.58
UCFB203A UCFB203-11A	11/16	17	107.95	42.86	38.1	22.22	15.88	7.94	25.4	9.92	63.5	60.33	31	12.7	34.18	M8	0.57
UCFB204A UCFB204-12A	3/4	20	107.95	42.86	38.1	22.22	15.88	7.94	25.4	9.92	63.5	60.33	31	12.7	34.18	M8	0.62
UCFB205A UCFB205-14A UCFB205-15A UCFB205-16A	7/8 15/16 1	25	120.65	46.04	41.27	28.58	17.07	9.53	28.57	9.92	69.85	63.5	34.1	14.3	36.87	M8	0.69
UCFB206A UCFB206-17A UCFB206-18A UCFB206-19A UCFB206-20A	1-1/16 1-1/8 1-3/16 1-1/4	30	136.53	52.39	47.63	31.75	18.65	12.7	31.75	9.92	82.55	69.85	38.1	15.9	40.85	M8	0.93
UCFB207A UCFB207-20A UCFB207-21A UCFB207-22A UCFB207-23A	1-1/4 1-5/16 1-3/8 1-7/16	35	155.58	60.33	50.8	31.75	21.03	12.7	36.51	13.1	95.25	82.55	42.9	17.5	46.43	M8	1.30
UCFB208A UCFB208-24A UCFB208-25A	1-1/2 1-9/16	40	164.31	60.33	50.01	41.27	21.03	15.88	35.72	11.91	100.01	77.79	49.2	19	51.23	M10	1.80



UCT200 Series

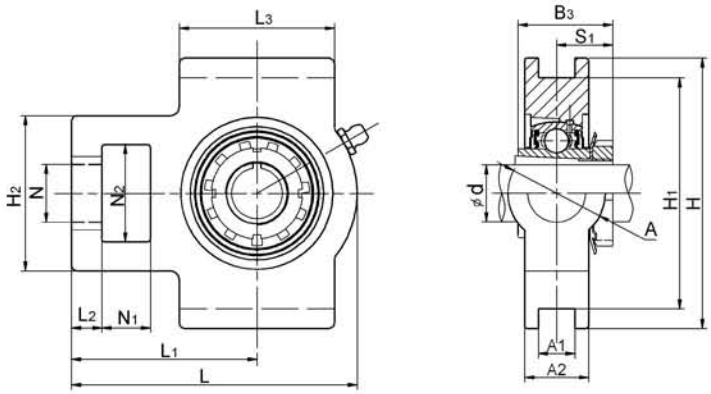
Unit No.	Shaft Dia d (in)	Shaft Dia d (mm)	N1	L2	H2	N2	N	L3	A1	H1	H	L	A	A2	L1	B	S	A3	Weight (kg)
UCWT201		12	15	9	46	31	18	46	12	70	82	88	30	21	58	27.4	11.5		
202		15																	
203		17																	
UCT201		12	16	10	51	32	19	51	12	76	89	94	32	21	61	31	12.7		0.80
201-8	1/2																		
UCT202		15	16	10	51	32	19	51	12	76	89	94	32	21	61	31	12.7		0.79
202-9	9/16																		
202-10	5/8																		
UCT203		17	16	10	51	32	19	51	12	76	89	94	32	21	61	31	12.7		0.78
203-11	11/16																		
UCT204		20	16	10	51	32	19	51	12	76	89	94	32	21	61	31	12.7	46.4	0.72
204-12	3/4																		
UCT205			16	10	51	32	19	51	12	76	89	97	32	24	62	34.1	14.3	48	0.8
205-14	7/8																		
205-15	15/16																		
205-16	1	25																	
UCT206		30	16	10	56	37	22	57	12	89	102	113	37	28	70	38.1	15.9	23	1.26
206-17	1-1/16																		
206-18	1-1/8																		
206-19	1-3/16																		
206-20	1-1/4																		
UCT207		35	16	13	64	37	22	64	12	89	102	129	37	30	78	42.9	17.5	59	1.68
207-20	1-1/4																		
207-21	1-5/16																		
207-22	1-3/8																		
207-23	1-7/16																		
UCT208		40	19	16	83	49	29	83	16	102	114	144	49	33	88	49.2	19	68.2	2.28
208-24	1-1/2																		
208-25	1-9/16																		
UCT209		45	19	16	83	49	29	83	16	102	117	144	49	35	87	49.2	19	70	2.52
209-26	1-5/8																		
209-27	1-11/16																		
209-28	1-3/4																		
UCT210		50	19	16	83	49	29	86	16	102	117	149	49	37	90	51.6	19	76	2.75
210-30	1-7/8																		
210-31	1-15/16																		
210-32	2																		
UCT211		55	25	19	102	64	35	95	22	130	146	171	64	38	106	55.6	22.2	76	4.1
211-32	2																		
211-34	2-1/8																		
211-35	2-3/16																		
UCT212		60	32	19	102	64	35	102	22	130	146	194	64	42	119	65.1	25.4	89	4.9
212-36	2-1/4																		
212-38	2-3/8																		
212-39	2-7/16																		
UCT213		65	32	21	111	70	41	121	26	151	167	224	70	44	137	65.1	25.4	89	6.7
213-40	2-1/2																		
UCT214		70	32	21	111	70	41	121	26	151	167	224	70	46	137	74.6	30.2	98	6.9
214-44	2-3/4																		
UCT215		75	32	21	111	70	41	121	26	151	167	232	70	48	140	77.8	33.3	97	7.4
215-47	2-15/16																		
215-48	3																		
UCT216		80	32	21	111	70	41	121	26	165	184	235	70	51	140	82.6	33.3	110	8.1
UCT217		85	38	29	124	73	48	157	30	173	198	260	73	54	162	85.7	34.1	114.2	11
217-52	3-1/4																		
UCT218		90	40	40	130	80	48	140	30	190	215	275	80	55	170	96	39.7		12.2
218-56	3-1/4																		

NOTE: 1 Open / Close (S/SM) covers are optional



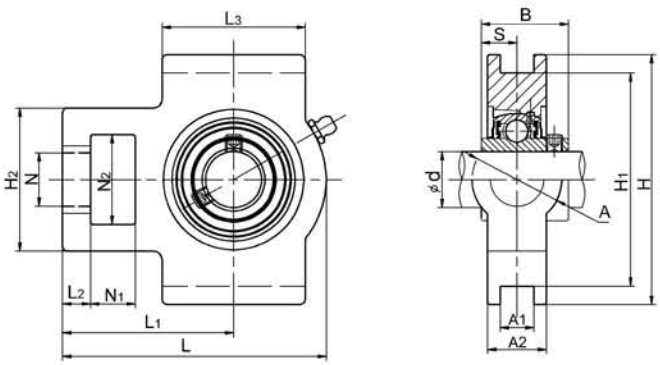
NAT200 Series

Unit No.	Shaft Dia d (in)	Shaft Dia d (mm)	Dimensions (mm) N1	L2	H2	N2	N	L3	A1	H1	H	L	A	A2	L1	B1	S	Weight (kg)
NAT201S		12																
201-8S	1/2																	
202S		15																
202-10S	5/8		15	9	46	31	18	46	12	70	82	88	30	21	58	37.3	13.9	0.78
203S		17																
203-11S	11/16																	
NAT201		12																
201-8	1/2																	
202		15																
202-10	5/8		16	10	51	32	19	51	12	76	89	94	32	21	61	43.5	17	0.87
203		17																
203-11	11/16																	
204		20																
204-12	3/4																	
NAT205		25																
205-14	7/8																	
205-15	15/16		16	10	51	32	19	51	12	76	89	97	32	24	62	44.3	17.4	0.92
205-16	1																	
NAT206		30																
206-18	1-1/8																	
206-19	1-3/16		16	10	56	37	22	57	12	89	102	113	37	28	70	48.3	18.2	1.39
206-20	1-1/4																	
NAT207		35																
207-20	1-1/4																	
207-21	1-5/16		16	13	64	37	22	64	12	89	102	129	37	30	78	51.1	18.8	1.83
207-22	1-3/8																	
207-23	1-7/16																	
NAT208		40																
208-24	1-1/2		19	16	83	49	29	83	16	102	114	144	49	33	88	56.3	21.4	2.64
208-25	1-9/16																	
NAT209		45																
209-26	1-5/8																	
209-27	1-1/16		19	16	83	49	29	83	16	102	117	144	49	35	87	56.3	21.4	2.67
209-28	1-3/4																	
NAT210		50																
210-30	1-7/8		19	16	83	49	29	86	16	102	117	149	49	37	90	62.7	24.6	2.81
210-31	1-15/16																	
NAT211		55																
211-32	2																	
211-34	2-1/8		25	19	102	64	35	95	22	130	146	171	64	38	106	71.3	27.7	4.27
211-35	2-3/16																	
NAT212		60																
212-36	2-1/4																	
212-38	2-3/8		32	19	102	64	35	102	22	130	146	194	64	42	119	77.7	30.9	5.26
212-39	2-7/16																	
NAT213		65	32	21	111	70	41	121	26	151	167	224	70	44	137	85.7	34.1	7.55
213-40	2-1/2																	
NAT214		70	32	21	111	70	41	121	26	151	167	224	70	46	137	85.7	34.1	7.62
214-44	2-3/4																	
NAT215		75																
215-47	2-15/16		32	21	111	70	41	121	26	151	167	232	70	48	140	92.1	37.3	8.13
215-48	3																	
NAT216		80	32	21	111	70	41	121	26	165	184	235	70	51	140	95.2	37.3	8.53
NAT217		85																
217-52	3-1/4		38	29	124	73	48	157	30	173	198	260	73	54	162	73.2	23.4	



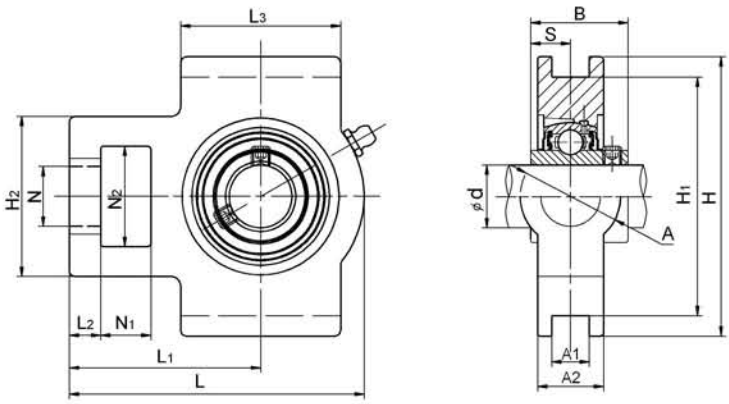
UKT200+H Series

Unit No.	Shaft Dia d (in)	Shaft Dia d (mm)	N1	L2	H2	N2	N	L3	A1	H1	H	L	A	A2	L1	B3	S1	Weight (kg)
UKT205+H2305		20	16	10	51	32	19	51	12	76	89	97	32	24	62	35	18.5	0.8
205+HE2305	3/4																	
UKT206+H2306		25	16	10	56	37	22	57	12	89	102	113	37	28	70	38	20.5	1.26
206+HS2306	7/8																	
206+HE2306	1																	
UKT207+H2307		30	16	13	64	37	22	64	12	89	102	129	37	30	78	43	22.5	1.68
207+HS2307	1-1/8																	
UKT208+H2308		35	19	16	83	49	29	83	16	102	114	144	49	33	88	46	24.5	2.28
208+HE2308	1-1/4																	
208+HS2308	1-3/8																	
UKT209+H2309		40	19	16	83	49	29	83	16	102	117	144	49	35	87	50	26	2.52
209+HA2309	1-7/16																	
209+HE2309	1-1/2																	
209+HS2309	1-5/8																	
UKT210+H2310		45	19	16	83	49	29	86	16	102	117	149	49	37	90	55	27.5	2.75
210+HS2310	1-5/8																	
210+HA2310	1-11/16																	
210+HE2310	1-3/4																	
UKT211+H2311		50	25	19	102	64	35	95	22	130	146	171	64	38	106	59	28.5	4.1
211+HS2311	1-7/8																	
211+HA2311	1-15/16																	
211+HE2311	2																	
UKT212+H2312		55	32	19	102	64	35	102	22	130	146	194	64	42	119	62	31	4.9
212+HS2312	2-1/8																	
UKT213+H2313		60	32	21	111	70	41	121	26	151	167	224	70	44	137	65	32	6.7
213+HA2313	2-3/16																	
213+HE2313	2-1/4																	
213+HS2313	2-3/8																	
UKT215+H2315		65	32	21	111	70	41	121	26	151	167	232	70	48	140	73	35.5	7.4
215+HA2315	2-7/16																	
215+HE2315	2-1/2																	
UKT216+H2316		70	32	21	111	70	41	121	26	165	184	235	70	51	140	78	39	8.1
216+HA2316	2-11/16																	
216+HE2316	2-3/4																	
UKT217+H2317		75	38	29	124	73	48	157	30	173	198	260	73	54	162	82	40	11
217+HA2317	2-15/16																	
217+HE2317	3																	



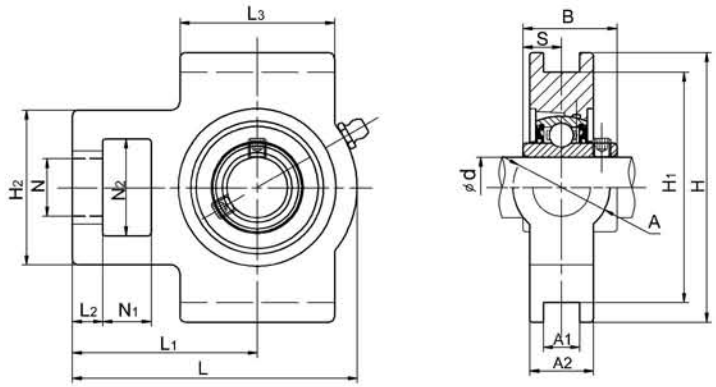
UCTX00 Series

Unit No.	Shaft Dia d (in)	Shaft Dia d (mm)	Dimensions (mm)															Weight (kg)
			N_1	L_2	H_2	N_2	N	L_3	A_1	H_1	H	L	A	A_2	L_1	B	S	
UCTX05		25																
05-13	13/16																	
05-14	7/8		16	12	56	37	22	57	12	89	102	113	37	28	70	38.1	15.9	1.4
05-15	15/16																	
05-16	1																	
UCTX06		30																
06-17	1-1/16																	
06-18	1-1/8		16	15	64	37	22	64	12	89	102	129	37	30	78	42.9	17.5	1.8
06-19	1-3/16																	
06-20	1-1/4																	
UCTX07		35																
07-21	1-5/16																	
07-22	1-3/8		19	17	83	49	29	83	16	102	114	144	49	36	88	49.2	19	2.6
07-23	1-7/16																	
UCTX08		40																
08-24	1-1/2		19	17	83	49	29	83	16	102	117	144	49	36	87	49.2	19	2.6
08-25	1-9/16																	
UCTX09		45																
09-26	1-5/8																	
09-27	1-11/16		19	18	83	49	29	86	16	102	117	151	49	38	92	51.6	19	2.8
09-28	1-3/4																	
09-29	1-13/16																	
UCTX10		50																
10-30	1-7/8		25	21	102	64	35	95	22	130	146	171	64	42	106	55.6	22.2	4.3
10-31	1-15/16																	
10-32	2																	
UCTX11		55																
11-33	2-1/16																	
11-34	2-1/8		32	21	102	64	35	102	22	130	146	194	64	44	119	65.1	25.4	5.2
11-35	2-3/16																	
11-36	2-1/4																	
11-37	2-5/16																	
UCTX12		60																
12-38	2-3/8		32	23	111	70	41	121	26	151	167	224	70	48	137	65	25.4	7.6
12-39	2-7/16																	
UCTX13		65																
13-40	2-1/2		32	23	111	70	41	121	26	151	167	224	70	48	137	74.6	30.2	7.6
13-41	2-9/16																	
UCTX14		70																
14-42	2-5/8		32	23	111	70	41	121	26	151	167	232	70	48	140	77.8	33.3	7.7
14-43	2-11/16																	
14-44	2-3/4																	
UCTX15		75																
15-45	2-13/16																	
15-46	2-7/8		32	23	111	70	41	121	28	165	184	235	70	48	140	82.6	33.3	7.55
15-47	2-15/16																	
15-48	3																	
UCTX16		80																
16-49	3-1/16																	
16-50	3-1/8		38	30	124	73	48	157	28	173	198	260	73	54	162	85.7	34.1	11
16-51	3-3/16																	
16-52	3-1/4																	
UCTX17		85																
17-53	3-5/16		38	30	124	73	48	157	28	173	198	260	73	54	162	96	39.7	12
17-55	3-7/16																	



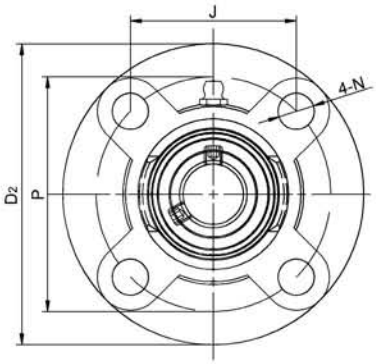
UCT300 Series

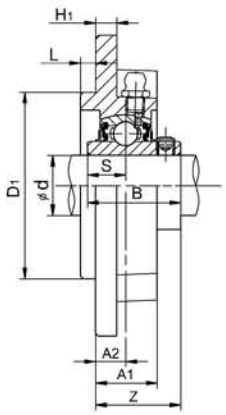
Unit No	Shaft Dia d(mm)	Dimensions(mm)															Weight (kg)
		N_1	L_2	H_2	N_2	N	L_3	A_1	H_1	H	L	A	A_2	L_1	B	S	
UCT305	25	16	12	62	36	26	65	12	80	90	122	36	26	76	38	15	1.41
UCT306	30	18	14	70	41	28	74	16	90	100	137	41	28	85	43	17	1.85
UCT307	35	20	15	75	45	30	80	16	100	111	150	45	32	94	48	19	2.45
UCT308	40	22	17	83	50	32	89	18	112	124	162	50	34	100	52	19	3.09
UCT309	45	24	18	90	55	34	97	18	125	138	178	55	38	110	57	22	4.08
UCT310	50	27	20	98	61	37	106	20	140	151	191	61	40	117	61	22	5.25
UCT311	55	29	21	105	66	39	115	22	150	163	207	66	44	127	66	25	6.41
UCT312	60	31	23	115	71	41	123	22	160	179	220	72	46	135	71	26	7.61
UCT313	65	32	25	116	70	43	134	26	170	190	238	80	50	146	75	30	9.22
UCT314	70	36	25	130	85	46	140	26	180	202	252	90	52	155	78	33	11.4
UCT315	75	36	25	134	85	46	150	26	192	216	262	90	55	160	82	32	12.9
UCT316	80	42	28	150	98	53	160	30	204	230	282	102	60	174	86	34	15.65
UCT317	85	42	30	152	98	53	170	32	214	240	298	102	64	183	96	40	19.34
UCT318	90	46	30	160	106	57	175	32	228	255	312	110	66	192	96	40	21.25
UCT319	95	46	31	165	106	57	180	35	240	270	322	110	72	197	103	41	24.4
UCT320	100	48	32	175	115	59	200	35	260	290	345	120	75	210	108	42	30.6
UCT321	105	48	32	175	115	59	200	35	260	290	345	120	75	210	112	44	30.2
UCT322	110	52	38	185	125	65	215	38	285	320	385	130	80	235	117	46	38.8
UCT324	120	60	42	210	140	70	230	45	320	355	432	140	90	267	126	51	54.6
UCT326	130	65	45	220	150	75	240	50	350	385	465	150	100	285	135	54	68.4
UCT328	140	70	50	230	160	80	255	50	380	415	515	155	100	315	145	59	83.2



UCST200 Series

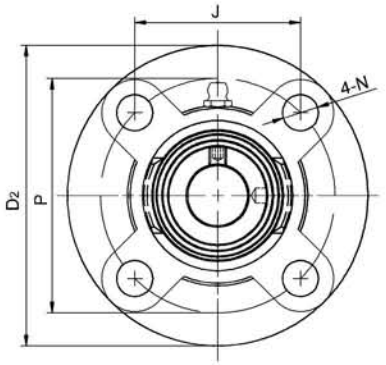
Unit No.	Shaft Dia d		Dimensions (mm)														Weight (kg)
	(in)	(mm)	N_1	L_2	H_2	N_2	N	L_3	A_1	H_1	H	L	A	A_2	L_1	B	S	
UCST201		12																
201-8	1/2																	
202		15																
202-10	5/8		16	10	51	32	19	51	13.5	76	89	94	32	21	61	31	12.7	0.8
203		17																
203-11	11/16																	
204		20																
204-12	3/4																	
UCST205		25																
205-14	7/8																	
205-15	15/16		16	10	51	32	19	51	13.5	76	89	97	32	24	62	34.1	14.3	0.8
205-16	1																	
UCST206		30																
206-17	1-1/16																	
206-18	1-1/8		16	10	56	37	22	57	13.5	89	102	113	37	28	70	38.1	15.9	1.26
206-19	1-3/16																	
206-20	1-1/4																	
UCST207		35																
207-20	1-1/4																	
207-21	1-5/16		16	13	64	37	22	64	13.5	89	102	129	37	30	78	42.9	17.5	1.68
207-22	1-3/8																	
207-23	1-7/16																	
UCST208		40																
208-24	1-1/2		19	16	83	49	29	83	17.5	102	114	144	49	33	88	49.2	19	2.28
208-25	1-9/16																	
UCST209		45																
209-26	1-5/8																	
209-27	1-11/16		19	16	83	49	29	83	17.5	102	117	144	49	35	87	49.2	19	2.52
209-28	1-3/4																	
UCST210		50																
210-30	1-7/8																	
210-31	1-15/16		19	16	83	49	29	86	17.5	102	117	149	49	37	90	51.6	19	2.75
210-32	2																	
UCST211		55																
211-32	2																	
211-34	2-1/8		25	19	102	64	35	95	27	130	146	171	64	38	106	55.6	22.2	4.1
211-35	2-3/16																	
UCST212		60																
212-36	2-1/4																	
212-38	2-3/8		32	19	102	64	35	102	27	130	146	194	64	42	119	65.1	25.4	4.9
212-39	2-7/16																	

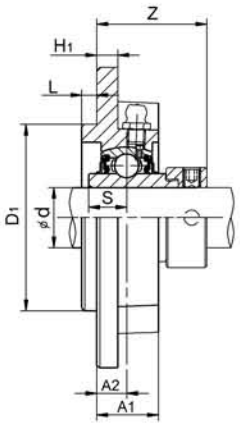




UCFC200 Series

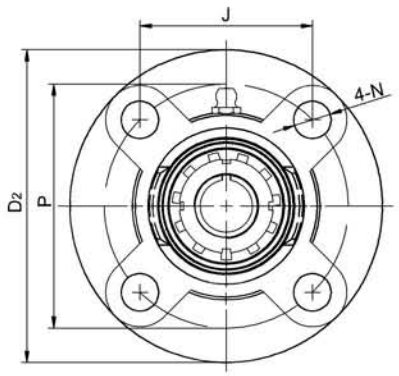
Unit No.	Shaft Dia d		Dimensions(mm)												Bolt Size (mm)	Weight (kg)
	(in)	(mm)	D_2	P	J	A_2	N	L	H_1	A_1	D_1	B	S	Z		
UCWFC201 201-8	1/2	12	90	70	49.5	10	10	4	5	19	55	27.4	11.5	25.9	M8	0.64
UCWFC202 202-9 202-10	9/16 5/8	15	90	70	49.5	10	10	4	5	19	55	27.4	11.5	25.9	M8	0.60
UCWFC203 203-11	11/16	17	90	70	49.5	10	10	4	5	19	55	27.4	11.5	25.9	M8	0.58
UCFC204 204-12	3/4	20	100	78	55.1	10	12	5	7	20.5	62	31	12.7	28.3	M10	0.75
UCFC 205 205-14 205-15 205-16	7/8 15/16 1	25	115	90	63.6	10	12	6	7	21	70	34.1	14.3	29.8	M10	1.00
UCFC206 206-17 206-18 206-19 206-20	1-1/16 1-1/8 1-3/16 1-1/4	30	125	100	70.7	10	12	8	8	23	80	38.1	15.9	32.2	M10	1.30
UCFC207 207-20 207-21 207-22 207-23	1-1/4 1-5/16 1-3/8 1-7/16	35	135	110	77.8	11	14	8	9	26	90	42.9	17.5	36.4	M12	1.75
UCFC208 208-24 208-25	1-1/2 1-9/16	40	145	120	84.8	11	14	10	9	26	100	49.2	19	41.2	M12	2.00
UCFC209 209-26 209-27 209-28	1-5/8 1-11/16 1-3/4	45	160	132	93.3	10	16	12	14	26	105	49.2	19	40.2	M14	2.50
UCFC210 210-30 210-31 210-32	1-7/8 1-15/16 2	50	165	138	97.6	10	16	12	14	28	110	51.6	19	42.6	M14	2.95
UCFC211 211-32 211-34 211-35	2 2-1/8 2-3/16	55	185	150	106.1	13	19	12	15	30	125	55.6	22.2	46.4	M16	4.00
UCFC212 212-36 212-38 212-39	2-1/4 2-3/8 2-7/16	60	195	160	113.1	17	19	12	15	35	135	65.1	25.4	56.7	M16	4.90
UCFC213 213-40	2-1/2	65	205	170	120.2	16	19	14	15	36	145	65.1	25.4	55.7	M16	5.35
UCFC214 214-44	2-3/4	70	215	177	125.1	17	19	14	18	38	150	74.6	30.2	61.4	M16	6.90
UCFC215 215-47 215-48	2-15/16 3	75	220	184	130.1	18	19	16	18	39	160	77.8	33.3	62.5	M16	7.50
UCFC216		80	240	200	141.4	18	23	16	18	42	170	82.6	33.3	67.3	M20	8.70
UCFC217 217-52	3-1/4	85	250	208	147.1	18	23	18	20	45	180	85.7	34.1	69.6	M20	10.30
UCFC218 218-56	3-1/2	90	265	220	155.5	22	23	18	20	50	190	96	39.7	78.3	M20	13.50

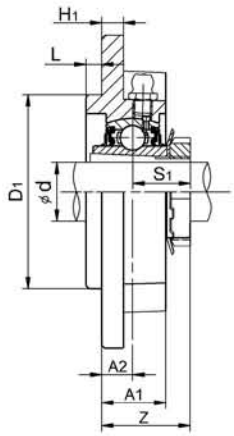




NAFC200 Series

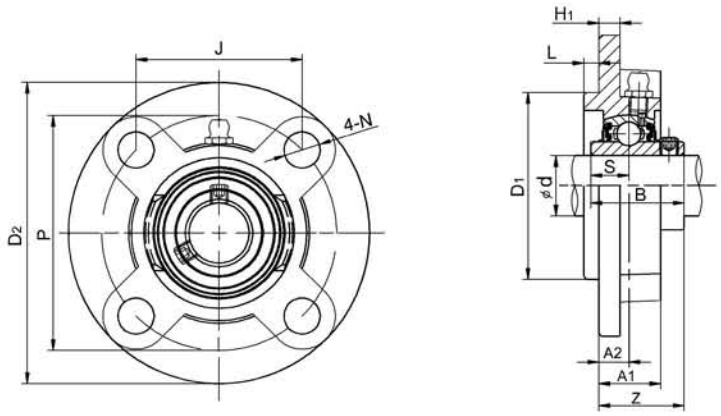
Unit No.	Shaft Dia d (in)	Shaft Dia d (mm)	D2	P	J	A2	N	L	H1	A1	D1	S	Z	Bolt Size (mm)	Weight (kg)
NAFC201S		12													
201-8S	1/2														
202S		15													
202-10S	5/8		90	70	49.5	10	10	4	5	19	55	13.9	33.4	M8	0.6
203S		17													
203-11S	11/16														
NAFC 201		12													
201-8	1/2														
202		15													
202-10	5/8		100	78	55.1	10	12	5	7	20.5	62	17.1	36.5	M10	0.83
203		17													
203-11	11/16														
204		20													
204-12	3/4														
NAFC 205		25													
205-14	7/8														
205-15	15/16		115	90	63.6	10	12	6	7	21	70	17.5	36.9	M10	1.0
205-16	1														
NAFC 206		30													
206-18	1-1/8		125	100	70.7	10	12	8	8	23	80	18.3	40.1	M10	1.5
206-19	1-3/16														
206-20	1-1/4														
NAFC 207		35													
207-20	1-1/4														
207-21	1-5/16		135	110	77.8	11	14	8	9	26	90	18.8	43.3	M12	1.8
207-22	1-3/8														
207-23	1-7/16														
NAFC 208		40													
208-24	1-1/2		145	120	84.8	11	14	10	9	26	100	21.4	45.9	M12	2.2
208-25	1-9/16														
NAFC 209		45													
209-26	1-5/8		160	132	93.3	10	16	12	14	26	105	21.4	44.9	M14	2.8
209-27	1-11/16														
209-28	1-3/4														
NAFC 210		50													
210-30	1-7/8		165	138	97.6	10	16	12	14	28	110	24.6	48.1	M14	3.3
210-31	1-15/16														
NAFC 211		55													
211-32	2														
211-34	2-1/8		185	150	106.1	13	19	12	15	30	125	27.8	56.6	M16	4.5
211-35	2-3/16														
NAFC 212		60													
212-36	2-1/4														
212-38	2-3/8		195	160	113.1	17	19	12	15	35	135	31	63.8	M16	5.7
212-39	2-7/16														
NAFC 213		65	205	170	120.2	16	19	14	15	36	145	34.3	67.6	M16	6.5
213-40	2-1/2														
NAFC 214		70	215	177	125.1	17	19	14	18	38	150	34.3	68.6	M16	7.2
214-44	2-3/4														
NAFC 215		75	220	184	130.1	18	19	16	18	39	160	37.3	72.8	M16	8
215-48	3														





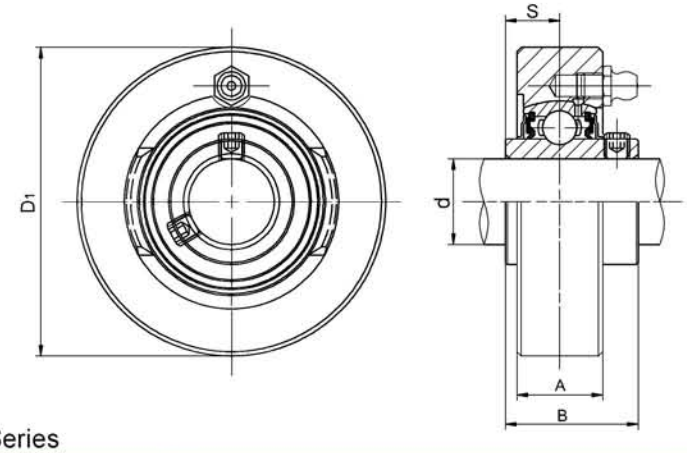
UKFC200+H Series

Unit No.	Shaft Dia d (in)	Shaft Dia d (mm)	Dimensions (mm) D2	P	J	A2	N	L	H1	A1	D1	S1	Z	Bolt Size (mm)	Weight (kg)
UKFC205+H2305		20	115	90	63.6	10	12	6	7	21	70	18.5	28.5	M10	0.98
205+HE2305	3/4														
UKFC206+H2306		25	125	100	70.7	10	12	8	8	23	80	20.5	30.5	M10	1.2
206+HS2306	7/8														
206+HA2306	15/16														
206+HE2306	1														
UKFC207+H2307		30	135	110	77.8	11	14	8	9	26	90	22.5	33.5	M12	1.7
207+HS2307	1-1/8														
207+HA2307	1-3/16														
UKFC208+H2308		35	145	120	84.8	11	14	10	9	26	100	24.5	35.5	M12	2.0
208+HE2308	1-1/4														
208+HS2308	1-3/8														
UKFC209+H2309		40	160	132	93.3	10	16	12	10	26	105	26	36	M14	2.7
209+HA2309	1-7/16														
209+HE2309	1-1/2														
UKFC210+H2310		45	165	138	97.6	10	16	12	14	28	110	27.5	37.5	M14	3.0
210+HS2310	1-5/8														
210+HA2310	1-11/16														
210+HE2310	1-3/4														
UKFC211+H2311		50	185	150	106.1	13	19	12	15	30	125	28.5	41.5	M16	4.2
211+HS2311	1-7/8														
211+HA2311	1-15/16														
211+HE2311	2														
UKFC212+H2312		55	195	160	113.1	17	19	12	15	35	135	31	48	M16	4.9
212+HS2312	2-1/8														
UKFC213+H2313		60	205	170	120.2	16	19	14	15	36	145	32	48	M16	5.6
213+HA2313	2-3/16														
213+HE2313	2-1/4														
213+HS2313	2-3/8														
UKFC215+H2315		65	220	184	130.1	18	19	16	17	39	160	35.5	53.5	M16	7.5
215+HA2315	2-7/16														
215+HE2315	2-1/2														
UKFC216+H2316		70	240	200	141.4	18	23	16	18	42	170	39	57	M20	8.9
216+HA2316	2-11/16														
216+HE2316	2-3/4														
UKFC217+H2317		75	250	208	147.1	18	23	18	20	45	180	40	58	M20	10.4
217+HA2317	2-15/16														
217+HE2317	3														
UKFC218+H2318		80	265	220	155.5	22	23	18	20	50	190	42	64	M20	13.3



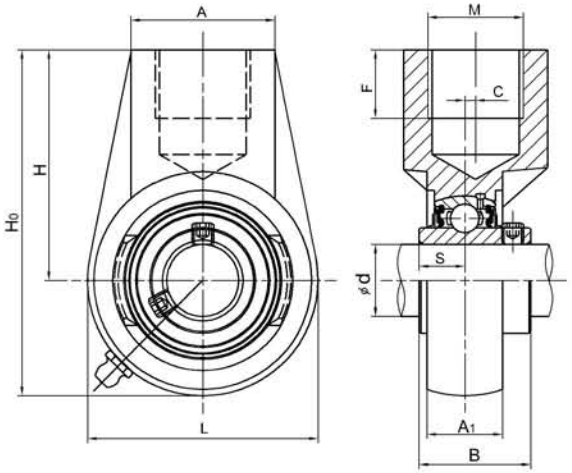
UCFCX00 Series

Unit No.	Shaft Dia d (in)	Shaft Dia d (mm)	D2	P	J	A2	N	L	H1	A1	D1	B	S	Z	Bolt Size (mm)	Bolt Size (in)	Weight (kg)
UCFCX05		25															
05-13	13/16		111	92	65	10	9.5	6	9.5	24	76	38.1	15.9	32.2	M8	5/16	1.2
05-14	7/8																
05-15	15/16																
05-16	1																
UCFCX06		30															
06-17	1-1/16																
06-18	1-1/8		127	105	74.2	8	12	9.5	9.5	22.5	85	42.9	17.5	33.4	M10	3/8	1.5
06-19	1-3/16																
06-20	1-1/4																
UCFCX07		35															
07-21	1-5/16		133	111	78.5	9	12	11	11	26	92	49.2	19	39.2	M10	3/8	1.9
07-22	1-3/8																
07-23	1-7/16																
UCFCX08		40															
08-24	1-1/2		133	111	78.5	9	12	11	11	26	92	49.2	19	39.2	M10	3/8	2.0
08-25	1-9/16																
UCFCX09		45															
09-26	1-5/8																
09-27	1-11/16		155	130	91.9	8	14	12	11	25	108	51.6	19	40.6	M12	7/16	2.6
09-28	1-3/4																
09-29	1-13/16																
UCFCX10		50															
10-30	1-7/8		162	136	96.2	7	14	16	11	25	118	55.6	22.2	40.4	M12	7/16	3.2
10-31	1-15/16																
10-32	2																
UCFCX11		55															
11-33	2-1/16																
11-34	2-1/8		180	152	107.5	4	16	22	13	26	127	65.1	25.4	43.7	M14	1/2	4.3
11-35	2-3/16																
11-36	2-1/4																
11-37	2-5/16																
UCFCX12		60															
12-38	2-3/8		194	165	116.7	11	16	20	14	33	140	65.1	25.4	50.7	M14	1/2	5.3
12-39	2-7/16																
UCFCX13		65															
13-40	2-1/2		194	165	116.7	11	16	20	14	33	140	74.6	30.2	55.4	M14	1/2	5.7
13-41	2-9/16																
UCFCX14		70															
14-42	2-5/8		222	190	134.3	14	19	20	14	36	164	77.8	33.3	58.5	M16	5/8	7.3
14-43	2-1/16																
14-44	2-3/4																
UCFCX15		75															
15-45	2-13/16																
15-46	2-7/8		222	190	134.3	12	19	22	16	35	164	82.6	33.3	61.3	M16	5/8	8
15-47	2-15/16																
15-48	3																
UCFCX16		80															
16-49	3-1/16																
16-50	3-1/8		260	219	154.8	10	23	25	19	36	186	85.7	34.1	61.6	M20	5/8	11.3
16-51	3-3/16																
16-52	3-1/4																
UCFCX17		85															
17-53	3-5/16		260	219	154.8	10	23	25	19	36	186	96	39.7	66.3	M20	3/4	12.9
17-55	3-7/16																



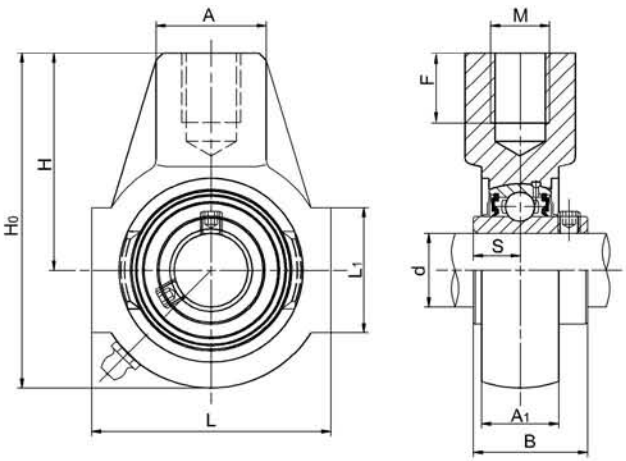
UCC200 Series

Unit No.	Shaft Dia d (in)	Shaft Dia d (mm)	Dimensions(mm) D1	A	B	S	Weight (kg)
UCC201		12	67	20	27.4	11.5	0.56
201-8	1/2						
UCC202		15	67	20	27.4	11.5	0.52
202-9	9/16						
202-10	5/8						
UCC203		17	67	20	27.4	11.5	0.51
203-11	11/16						
UCC204		20	72	20	31.0	12.7	0.49
204-12	3/4						
UCC205		25	80	22	34.1	14.3	0.65
205-14	7/8						
205-15	15/16						
205-16	1						
UCC206		30	85	27	38.1	15.9	0.82
206-17	1-11/16						
206-18	1-1/8						
206-19	1-3/16						
206-20	1-1/4						
UCC207		35	90	28	42.9	17.5	0.93
207-20	1-1/4						
207-21	1-5/16						
207-22	1-3/8						
207-23	1-7/16						
UCC208		40	100	30	49.2	19.0	1.25
208-24	1-1/2						
208-25	1-9/16						
UCC209		45	110	31	49.2	19.0	1.53
209-26	1-5/8						
209-27	1-11/16						
209-28	1-3/4						
UCC210		50	120	33	51.6	19.0	1.93
210-30	1-7/8						
210-31	1-15/16						
210-32	2						
UCC211		55	125	35	55.6	22.2	2.14
211-32	2						
211-34	2-1/8						
211-35	2-3/16						
UCC212		60	130	38	65.1	25.4	2.52
212-36	2-1/4						
212-38	2-3/8						
212-39	2-7/16						
UCC213		65	140	40	65.1	25.4	2.97
213-40	2-1/2						



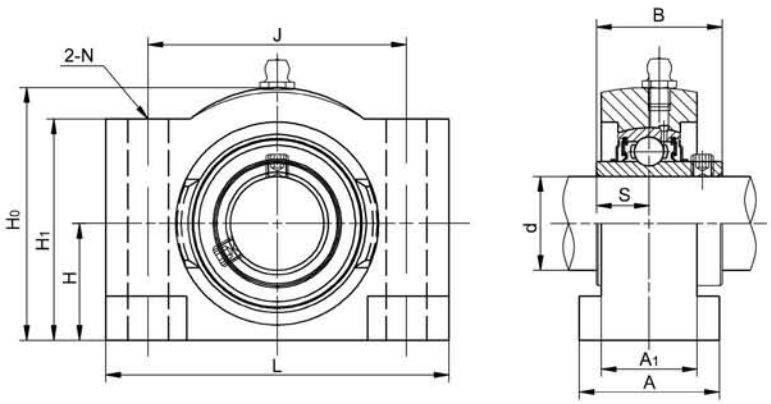
UCHA200 Series

Unit No.	Shaft Dia d (in)	Shaft Dia d (mm)	Dimensions(mm) L	H0	H	A	M(in)	F	C	A1	B	S	Weight (kg)
UCHA204		20	64	96	64	40	G3/4	19	0	21	31	12.7	0.70
204-12	3/4												
UCHA205		25	78	103	64	40	G3/4	19	0	24	34.1	14.3	0.74
205-14	7/8												
205-15	15/16												
205-16	1												
UCHA206		30	78	103	64	40	G3/4	19	0	28	38.1	15.9	0.91
206-17	1-1/16												
206-18	1-1/8												
206-19	1-3/16												
206-20	1-1/4												
UCHA207		35	92	116	70	40	G3/4	19	0	30	42.9	17.5	1.19
207-20	1-1/4												
207-21	1-5/16												
207-22	1-3/8												
207-23	1-7/16												
UCHA208		40	100	123	73	40	G3/4	19	2	33	49.2	19.0	1.36
208-24	1-1/2												
208-25	1-9/16												
UCHA209		45	108	136	82	48	G1	21	5	35	49.2	19.0	1.78
209-26	1-5/8												
209-27	1-11/16												
209-28	1-3/4												
UCHA210		50	119	142	83	48	G1	21	5	37	51.6	19.0	1.93
210-30	1-7/8												
210-31	1-15/16												
210-32	2												
UCHA211		55	126	150	87	60	G5/4	25	7	38	55.6	22.2	3.50
211-32	2												
211-34	2-1/8												
211-35	2-3/16												
UCHA212		60	142	173	102	60	G5/4	28	9	42	65.1	25.4	3.90
212-36	2-1/4												
212-38	2-3/8												
212-39	2-7/16												
UCHA213		65	166	200	117	70	G1-1/2	32	9.5	44	65.1	25.4	
213-40	2-1/2												



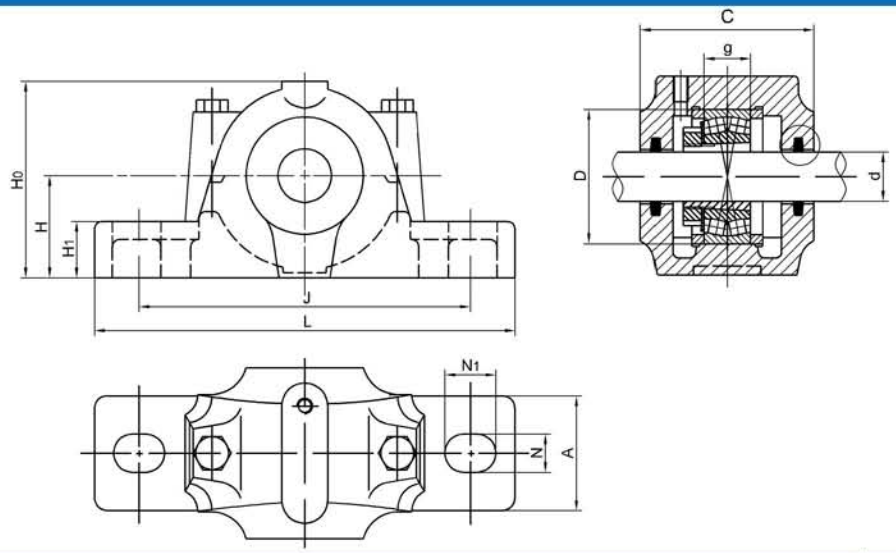
UCHE200 Series

Unit No.	Shaft Dia d (in)	Shaft Dia d (mm)	Dimensions(mm) L	H0	H	A	M	F	L1	A1	B	S	Weight (kg)
UCHE201		12	65	91	58	30	M16	21	38	24	31	12.7	0.61
201-8	1/2												
UCHE202		15	65	91	58	30	M16	21	38	24	31	12.7	0.61
202-9	9/16												
202-10	5/8												
UCHE203		17	65	91	58	30	M16	21	38	24	31	12.7	0.61
203-11	11/16												
UCHE204		20	65	91	58	30	M16	21	38	24	31	12.7	0.61
204-12	3/4												
UCHE205		25	70	99	64	35	M20	22	38	24	34.1	14.3	0.79
205-14	7/8												
205-15	15/16												
205-16	1												
UCHE206		30	85	114	72	40	M24	24	40	32	38.1	15.9	1.23
206-17	1-11/16												
206-18	1-1/8												
206-19	1-3/16												
206-20	1-1/4												
UCHE207		35	90	122	76	40	M24	24	48	30	42.9	17.5	1.44
207-20	1-1/4												
207-21	1-5/16												
207-22	1-3/8												
207-23	1-7/16												
UCHE208		40	101	135	85	40	M24	24	45	33	49.2	19	1.82
208-24	1-1/2												
208-25	1-9/16												
UCHE209		45	110	145	90	40	M24	24	46	40	49.2	19	2.05
209-26	1-5/8												
209-27	1-11/16												
209-28	1-3/4												
UCHE210		50	110	145	90	40	M24	24	46	40	51.6	19	2.13
210-30	1-7/8												
210-31	1-15/16												
210-32	2												



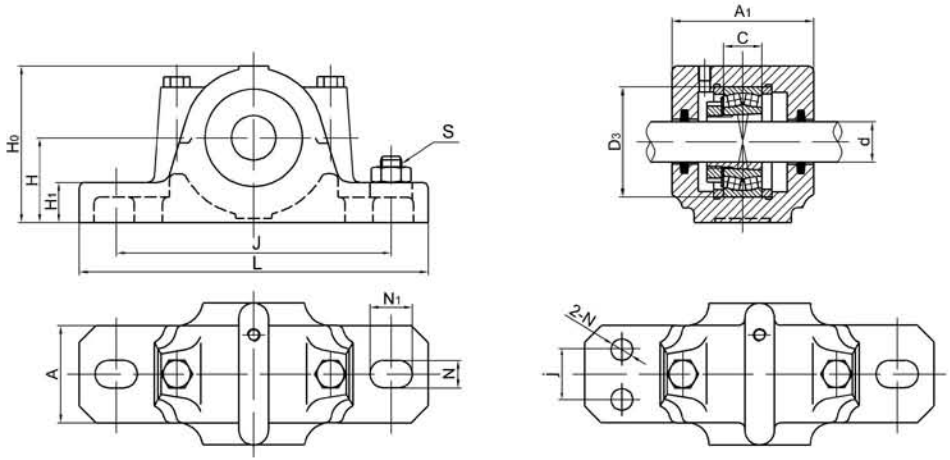
UCSB200 Series

Unit No.	Shaft Dia d (in)	Shaft Dia d (mm)	H	L	J	A	A1	H1	H0	N	B	S	Bolt Size (mm)	Bolt Size (in)	Weight (kg)
UCSB205		25													
205-13	13/16														
205-14	7/8		31.7	92	70	38	25	58	67	11	34.1	14.3	M10	3/8	1.03
205-15	15/16														
205-16	1														
UCSB206		30													
206-17	1-1/16														
206-18	1-1/8		38.1	108	83	44	30	68	78	11	38.1	15.9	M10	3/8	1.63
206-19	1-3/16														
206-20	1-1/4														
UCSB207		35													
207-20	1-1/4														
207-21	1-5/16		44.4	133	102	48	33	76	94.5	14	42.9	17.5	M12	7/16	2.52
207-22	1-3/8														
207-23	1-7/16														
UCSB208		40													
208-24	1-1/2		47.6	140	108	54	39	81	99.6	14	49.2	19	M12	7/16	3.12
208-25	1-9/16														
UCSB209		45													
209-26	1-5/8		50.8	146	111	54	39	86	104.8	14	49.2	19	M12	7/16	3.43
209-27	1-11/16														
209-28	1-3/4														
UCSB210		50													
210-29	1-13/16														
210-30	1-7/8		54	152	118	60	41	90	110	14	51.6	19	M12	7/16	3.95
210-31	1-15/16														
210-32	2														
UCSB211		55													
211-32	2														
211-33	2-1/16		58.7	172	137	60	41	98	121.7	18	55.6	22.2	M16	5/8	4.92
211-34	2-1/8														
211-35	2-3/16														
UCSB212		60													
212-36	2-1/4														
212-37	2-5/16		69.9	197	162	65	48	111	146	17	65.1	25.4	M16	5/8	7.03
212-38	2-3/8														
212-39	2-7/16														
UCSB213		65													
213-40	2-1/2		69.9	197	162	65	48	111	146	17	65.1	25.4	M16	5/8	7.62
213-41	2-9/16														
UCSB214		70													
214-42	2-5/8		76.2	206	172	73	60	117	155	17	74.6	30.2	M16	5/8	8.18
214-43	2-11/16														
214-44	2-3/4														
UCSB215		75													
215-45	2-13/16														
215-46	2-7/8		76.2	206	172	73	55	117	155	17	77.8	33.3	M16	5/8	8.42
215-47	2-15/16														
215-48	3														
UCSB216		80	82.6	238	191	86	64	127	168	21	82.6	33.3	M20	3/4	10.55
216-50	3-1/8														
UCSB217		85	88.9	254	203	89	64	136	181	21	85.7	34.1	M20	3/4	13
217-52	3-1/4														
UCSB218		90	98.4	273	222	92	67	152	200	25	96	39.7	M24		16.29
218-56	3-1/2														
UCSBX20		100													
20-63	3-15/16		108	298	241	108	70	178	221	26	108	49.2	M24		23.52
20-64	4														



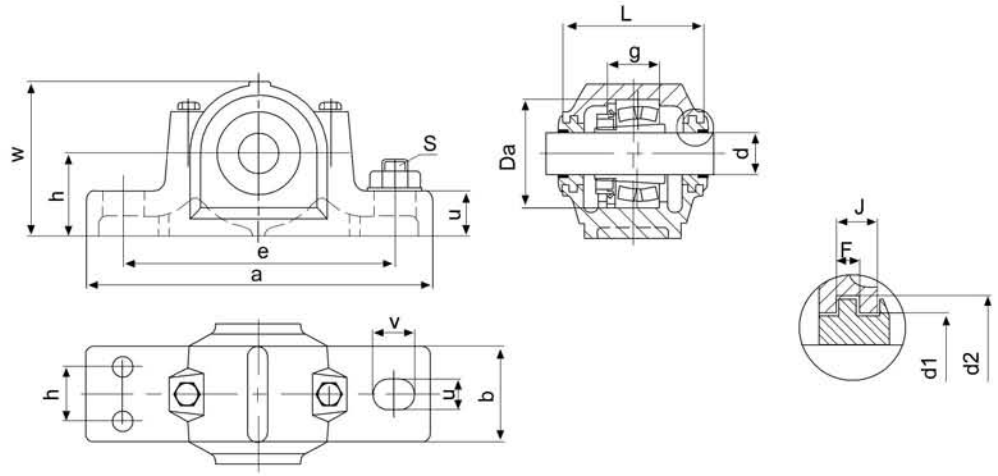
SN500 Series

Housing No.	Shaft		Dimensions (mm)																Wt Kg	Bearing No		Adapter	Sleeve	Locating Ring	
	mm	in	D H_8	L	A	H_1	C	H	A_1	H_0	J	S	N	N_1	d_2	d_3	f_1	f_2						Number	QTY
SN505	20	¾	52	165	46	22	25	40	67	75	130	M12	15	20	21.5	31	3	4.2	1.4	1205K 2205K	22205K	H205 H305	HE205 HE305	SR52X5 SR52X7	2 1
SN506	25	1	62	185	52	22	30	50	77	90	150	M12	15	20	26.5	38	4	5.4	1.9	1206K 2206K	22206K	H206 H306	HE206 HE306	SR62X7 SR62X10	2 1
SN507	30	1⅛	72	185	52	22	33	50	82	95	150	M12	15	20	31.5	43	4	5.4	2.0	1207K 2207K	22207K	H207 H307	HE207 HE307	SR72X8 SR72X10	2 1
SN508	35	1¼	80	205	60	25	33	60	85	110	170	M12	15	20	36.5	48	4	5.4	3.2	1208K 2208K	22208K	H208 H308	HE208 HE308	SR80X7.5 SR80X10	2 1
SN509	40	1½	85	205	60	25	31	60	85	112	170	M12	15	20	41.5	53	4	5.4	3.0	1209K 2209K	22209K	H209 H309	HE209 HE309	SR85X6 SR85X8	2 1
SN510	45	1¾	90	205	60	25	33	60	90	115	170	M12	15	20	46.5	58	4	5.4	3.4	1210K 2210K	22210K	H210 H310	HE210 HE310	SR90X6.5 SR90X10	2 1
SN511	50	2	100	255	70	28	33	70	95	130	210	M16	18	23	51.5	67	5	6.9	4.6	1211K 2211K	22211K	H211 H311	HE211 HE311	SR100X6 SR100X8	2 1
SN512	55	2⅛	110	255	70	30	38	70	105	135	210	M16	18	23	56.5	72	5	6.9	5.0	1212K 2212K	22212K	H212 H312	HE212 HE312	SR110X8 SR110X10	2 1
SN513	60	2¼	120	275	80	30	43	80	110	150	230	M16	18	23	62	77	5	6.8	6.8	1213K 2213K	22213K	H213 H313	HE213 HE313	SR120X10 SR120X12	2 1
SN515	65	2½	130	280	80	30	41	80	115	155	230	M16	18	23	67	82	5	6.8	7.4	1215K 2215K	22215K	H215 H315	HE315 HE2315	SR130X8 SR130X10	2 1
SN516	70	2¾	140	315	90	32	43	95	120	175	260	M20	22	27	72	89	6	8.1	9.5	1216K 2216K	22216K	H216 H316	HE316 HE316	SR140X8.5 SR140X10	2 1
SN517	75	3	150	320	90	32	46	95	125	185	260	M20	22	27	77	94	6	8.1	10.0	1217K 2217K	22217K	H217 H317	HE317 HE317	SR150X9 SR150X10	2 1
SN518	80	3¼	160	345	100	35	62.4	100	145	195	290	M20	22	27	82	99	6	8.1	12.8	1218K 2218K	22218K	H218 H318 H2318	HE218 HE318 HE2318	SR160X16.2 SR160X11.2 SR160X10	2 1 1
SN519	85	–	170	345	100	35	53	112	140	210	290	M20	22	27	87	104	6	8.1	15.4	1219K 2219K	22219K	H219 H319	HE219 HE319	SR170X10.5 SR170X10	2 1
SN520	90	3½	180	380	110	40	70.3	112	160	218	320	M24	26	32	92	111	7	9.3	17.8	2220K	22220K 23220K	H220 H320	HE320 HE2320	SR180X12.1 SR180X10	2 1
SN522	100	4	200	410	120	45	80	125	175	240	350	M24	26	32	102	125	8	10.8	19	2222K	22222K 23222K	H222 H3222	HE322 HE2322	SR200X13.5 SR200X10	2 1
SN524	110	4¼	215	410	120	45	86	140	185	270	350	M24	26	32	113	135	8	10.7	26		22224K 23224K	H3124 H2324	HE3124 HE2324	SR215X14 SR215X10	2 1
SN526	115	4½	230	445	130	50	90	150	190	290	380	M24	28	36	118	140	8	10.7	32		22226K 23226K	H3126 H2326	HE3126 HE2326	SR230X13 SR230X10	2 1
SN528	125	5	250	500	150	50	98	150	205	305	420	M30	33	42	128	154	9	12.2	40		22228K 23228K	H3128 H2328	HE3128 HE2328	SR250X15 SR250X10	2 1
SN530	135	5¼	270	530	160	60	106	160	220	325	450	M30	33	42	138	164	9	12.2	47.2		22230K 23230K	H3130 H2330	HE3130 HE2330	SR270X16.5 SR270X10	2 1
SN532	140	5½	290	550	160	60	114	170	235	345	470	M30	33	42	143	173	10	13.7	56.5		22232K 23232K	H3132 H2332	HE3132 HE2332	SR290X17 SR290X10	2 1



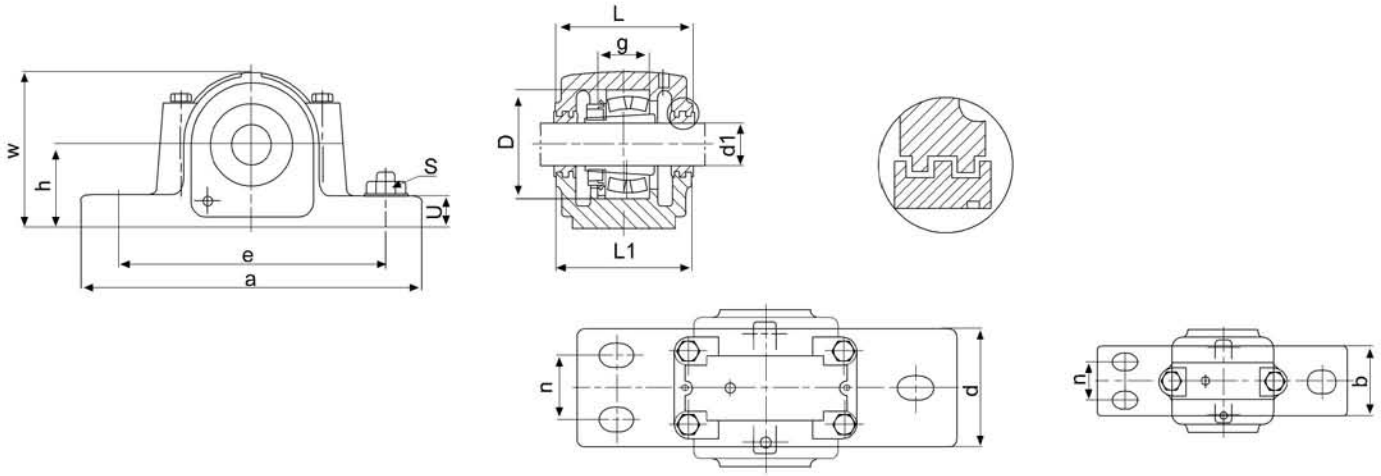
SNU500 series

Nousing No.	Shaft	Dimensions (mm)												Bolt Dia		Wt Kg	Bearing No	Adapter	Spacer Ring	
		H h_{12}	A	E	B	P	K	G	W	L	D	C	D_3 H_8	(2)	(4)				SIZE	QTY
SNU505	20	40	165	130	46	13	20	19	72	67		25	52	M10		1.9	1205K	H205	52X5	2
SNU506	25	50	185	150	52	13	22	22	87	72		32	62	M10		2.2	1206K	H206	62X5	2
SNU507	30	50	185	150	52	13	20	22	92	82		34	72	M10		2.4	1207K 22207K	H207 H307	72X8.5 72X5.5	2 2
SNU508	35	60	205	170	60	15	20	25	106	85		39	80	M12		3.2	1208K 22208K	H208 H308	80X10.5 80X8	2 2
SNU509	40	60	205	170	60	15	20	25	108	85		30	85	M12		3.5	1209K 22209K	H209 H309	85X5.5 85X7	2 1
SNU510	45	60	205	170	60	15	20	25	112	90		41	90	M12		3.85	1210K 22210K	H210 H310	90X10.5 90X9	2 2
SNU511	50	70	255	210	70	18	23	28	126	95	35	44	100	M16	M12	5.2	1211K 22211K	H211 H311	100X11.5 100X9.5	2 2
SNU512	55	70	255	210	70	18	23	30	132	105	35	48	110	M16	M12	6.7	1212K 22212K	H212 H312	110X13 110X10	2 2
SNU513	60	80	275	230	80	18	24	30	147	110	35	51	120	M16	M12	7.9	1213K 22213K	H213 H313	120X14 120X10	2 2
SNU515	65	80	280	230	80	18	26	30	153	115	40	56	130	M16	M12	7.7	1215K 22215K	H215 H315	130X15.5 130X12.5	2 2
SNU516	70	95	315	260	90	22	29	32	174	120	40	58	140	M20	M12	11.0	1216K 22216K	H216 H316	140X16 140X12.5	2 2
SNU517	75	95	320	260	90	22	30	32	180	125	50	61	150	M20	M12	12.7	1217K 22217K	H217 H317	150X16.5 150X12.5	2 2
SNU518	80	100	345	290	100	22	27	35	190	140	50	65	160	M20	M16	14.8	1218K 22218K 23218K	H218 H318 H2318	160X17.5 160X12.5 160X12.5	2 2 1
SNU519	85	112	345	290	100	22	27	35	209	145	50	68	170	M20	M16	15.5	1219K 22219K	H219 H319	170X18 170X12.5	2 2
SNU520	90	112	380	320	110	26	32	40	215	160	60	70	180	M24	M16	18.4	1220K 22220K 23220K	H220 H320 H2320	180X18 180X12 180X9.7	2 2 1
SNU522	100	125	410	350	120	26	32	45	239	175	70	80	200	M24	M16	24.8	1222K 22222K 23222K	H222 H322 H2322	200X21 200X13.5 200X10.2	2 2 1
SNU524	110	140	410	350	120	26	32	45	271	185	70	86	215	M24	M16	32.2	22224K 23224K	H3124 H2324	215X14 215X10	2 1
SNU526	115	150	445	380	130	28	35	50	290	190	70	90	230	M24	M20	39.8	22226K 23226K	H3126 H2326	230X13 230X10	2 1
SNU528	125	150	500	420	150	35	42	50	302	205	80	98	250	M30	M24	48.8	22228K 23228K	H3128 H2328	250X15 250X10	2 1
SNU530	135	160	530	450	160	35	42	60	323	220	90	106	270	M30	M24	56.5	22230K 23230K	H3130 H2330	270X16.5 270X10	2 1
SNU532	140	170	550	470	160	35	42	60	344	235	90	114	290	M30	M24	63.5	22232K 23232K	H3132 H2332	290X17 290X10	2 1

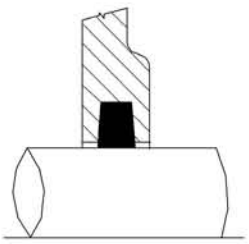


SNG500 series

Housing No.	Shaft dia.	Dimensions (mm)																		Housing Wt Kg	Bearing No	Adapter Sleeve	Locating Ring	
		H H12	a	e	b	u	v	c	w	L	d_1 H12	d_2 H12	n	J	F	g H12	Da H8	S (2)	S (4)				Number	QTY
SNG507-606	30	50	185	150	52	13	20	22	92	82	46.5	54.5		7.5	5	34	72	M10		2.4	1207K 22207K	H207 H307	SR72x8.5 SR72x5.5	2 2
SNG508-607	35	60	205	170	60	15	20	25	106	85	51.5	59.5		7.5	5	36	80	M12		3.2	1208K 22208K	H208 H308		2 2
SNG509	40	60	205	170	60	15	20	25	109	85	56.9	64.9		8.5	5	30	85	M12		3.5	1209K 22209K	H209 H309	SR85x5.5 SR85x7	2 1
SNG510-608	45	60	205	170	60	15	20	25	112	90	62	70.5		8.5	5	41	90	M12		3.85	1210K 22210K	H210 H310		2 2
SNG511-609	50	70	255	210	70	18	23	28	127	95	67	75.5	35	8.5	5	44	100	M16		5.2	1211K 22211K	H211 H311	SR100x11.5 SR100x9.5	2 2
SNG512-610	55	70	255	210	70	18	23	30	133	105	72	80.5	35	8.5	5	48	110	M16	M12	6.7	1212K 22212K	H212 H312		2 2
SNG513-611	60	80	275	230	80	18	24	30	148	110	77	85.5	35	8.5	5	51	120	M16	M12	7.9	1213K 22213K	H213 H313	SR120x14 SR120x10	2 2
SNG515-612	65	80	280	230	80	18	26	32	154	115	87	95.5	40	8.5	5	56	130	M16	M12	7.7	1215K 22215K	H215 H315		2 2
SNG216-613	70	95	315	260	90	22	29	32	175	120	92.5	101	40	10.5	5	58	140	M20	M12	11.0	1216K 22216K	H216 H316	SR140x16 SR140x12.5	2 2
SNG517	75	95	320	260	90	22	30	35	181	125	97.5	106	50	10.5	5	61	150	M20	M12	12.7	1217K 22217K	H217 H317		2 2
SNG518-615	80	100	345	290	100	22	27	35	192	140	102.5	111	50	10.5	5	65	160	M20	M16	14.8	1218K 22218K 23218K	H218 H318 H2318	SR160x17.5 SR160x12.5 SR160x12.5	2 2 2
SNG519-616	85	112	345	290	100	22	27	40	209	145	131	141	50	11.5	6	68	170	M20	M16	15.5	1219K 22219K	H219 H319		2 1
SNG520-617	90	112	380	320	110	26	32	45	215	160	137.5	147.5	60	11.5	6	70	180	M24	M16	18.4	1220K 22220K 23220K	H220 H320 H2320	SR180x18 SR180x12 SR180x9.7	2 2 2
SNG522-619	100	125	410	350	120	26	32	45	239	175	147.5	157.5	70	11.5	6	80	200	M24	M16	24.8	1222K 22222K 23222K	H222 H322 H2322		1 2 1
SNG524-620	110	140	410	350	120	26	32	45	271	185	157.5	167.5	70	11.5	6	86	215	M24	M16	32.2	22224K 23224K	H3124 H2324	SR215x14 SR215x10	2 1
SNG526	115	150	445	380	130	28	35	50	290	190	167.5	177.5	70	13	6	90	230	M24	M20	39.8	22226K 23226K	H3126 H2326		2 1
SNG528	125	150	500	420	150	35	42	50	302	205	177.5	187.5	80	13	6	98	250	M30	M24	48.8	22228K 23228K	H3128 H2328	SR250x15 SR250x10	2 1
SNG530	135	160	530	450	160	35	42	60	323	220	192.5	202.5	90	13.5	6	106	270	M30	M24	56.5	22230K 23230K	H3130 H2330		2 1
SNG532	140	170	550	470	160	35	42	60	344	235	202.5	212.5	90	13.5	6	114	290	M30	M24	63.5	22232K 23232K	H3132 H2332	SR290x17 SR290x10	2 1



Housing No.	Shaft dia.	Dimensions (mm)														Housing Wt Kg	Bearing No	Adapter Sleeve	Locating Ring	
		H H8	g H12	h H12	w	L	L_1	a	b	c	e max	e min	n	S (2)	S (4)				Number	QTY
SAF505	3/4	52	25	38.1	75	70	73	165	45	18	139.7	118		M12		1.8	1205K 2205K	HA205 HA305	FR52x5 FR52x7	2 1
SAF506	15/16	62	30	44.5	86	78	83	191	51	18	155	133		M12		2.2	1206K 2206K	HA206 HA306	FR62x7 FR62x10	2 1
SAF507	1-3/16	72	33	50.8	97	81	83	191	51	21	156	143		M12		2.7	1207K 2207K	HA207 HA307	FR72x8 FR72x10	2 1
SAF509	1-7/16	85	31	57.2	111	87	92	210	61	21	178	159		M12		3.9	1209K 2209K 22209K	HA209 HA309 HA309	FR85x6 FR85x8 FR85x8	2 1 1
SAF510	1-11/16	90	33	63.5	121	87	99	210	61	24	178	165		M12		4.3	1210K 2210K 22210K	HA210 HA310 HA310	FR90x6.5 FR90x10 FR90x10	2 1 1
SAF511	1-15/16	100	33	69.9	133	95	114	245	70	24	200	188		M16		5	1211K 2211K 22211K	HA210 HA310 HA311	FR100x6 FR100x8 FR100x8	2 1 1
SAF513 FSAF513	2-3/16 2-3/16	120 120	41 41	76.2 76.2	151 151	108 108	114 114	279 279	80 80	25 25	241 241	206 206	50.8	M16	M12	7.7 7.7	1213K 2213K 22213K	HA213 HA313 HA313	FR120x9 FR120x10 FR120x10	2 1 1
SAF515 FSAF515	2-7/16 2-7/16	130 130	41 41	82.6 82.6	162 162	118 118	121 121	286 286	80 80	29 29	245 245	219 219	47.7	M16	M12	8.7 8.7	1215K 2215K 22215K	HA215 HA315 HA315	FR130x8 FR130x10 FR130x10	2 1 1
SAF516 FSAF516	2-11/16 2-11/16	140 140	43 43	88.9 88.9	175 175	121 121	124 124	330 330	89 89	30 30	279 279	245 245	54.1	M20	M16	11.6 11.6	1216K 2216K 22216K	HA216 HA316 HA316	FR140x8.5 FR140x10 FR140x10	2 1 1
SAF517 FSAF517	2-15/16 2-15/16	150 150	46 46	95.3 95.3	186 186	122 122	127 127	330 330	89 89	32 32	279 279	251 251	54.1	M20	M16	12.3 12.3	1217K 2217K 22217K	HA217 HA317 HA317	FR150x9 FR150x10 FR150x10	2 1 1
SAF518 FSAF518	3-3/16 3-3/16	160 160	50 50	101.6 101.6	197 197	140 140	146 146	349 349	99 99	33 33	295 295	264 264	54.1	M20	M16	15.4 15.4	1218K 2218K 22218K	HA218 HA318 HA318	FR160x10 FR160x10 FR160x10	2 1 1
SAF520 FSAF520	3-7/16 3-7/16	180 180	58 58	114.3 114.3	222 222	148 148	152 152	387 387	111 111	45 45	333 333	295 295	60.5	M24	M20	27.3 27.3	1220K 2220K 22220K	HA220 HA320 HA320	FR180x11 FR180x10 FR180x10	2 1 1
SAF522	3-15/16	200	63	125.4	245	164	165	419	121	51	368	321	69.9		M20	35	1222K 2222K 22222K	HA222 HA322 HA322	FR200x12.5 FR200x10 FR200x10	2 1 1
SAF524	4-3/16	215	68	133.4	260	181	188	419	121	54	368	337	69.9		M20	43.2	22224K	HA3124	FR215x10	1
SAF526	4-7/16	230	74	152.4	292	197	203	467	130	61	406	372	82.6		M24	58.6	22226K	HA3126	FR230x10	1
SAF528	4-15/16	250	78	152.4	298	187	194	511	149	61	435	406	85.9		M24	62	22228K	HA3128	FR250x10	1
SAF530	5-3/16	270	83	160.4	318	207	213	540	159	64	464	432	95.3		M24	76.8	22230K	HA3130	FR270x10	1
SAF532	5-7/16	290	90	169.9	338	216	222	559	159	67	489	442	95.3		M24	81.3	22232K	HA3132	FR290x10	1
SAF534	5-15/16	310	96	179.4	360	235	245	629	172	70	549	492	108		M24	104.5	22234K	HA3134	FR310x10	1
SAF536	6-7/16	320	96	190.5	378	245	254	680	181	76	600	530	117.6		M24	117.6	22236K	HA3136	FR320x10	1
SAF538	6-15/16	340	102	200	398	267	273	711	191	80	619	549	114.3		M30	135	22238K	HA3138	FR340x10	1
SAF540	7-3/16	360	108	209.6	419	279	286	749	203	86	635	572	127		M30	167.5	22240K	HA3140	FR360x10	1
SAF544	7-15/16	400	118	241.3	473	298	305	832	222	95	708	629	133.4		M30	230.2	22244K	HA3144	FR400x10	1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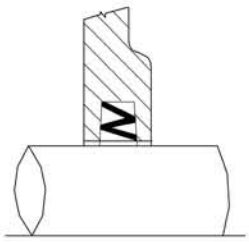
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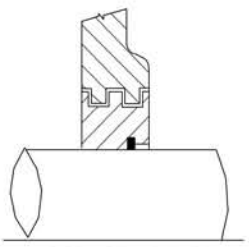
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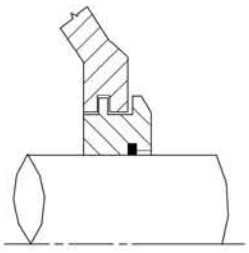
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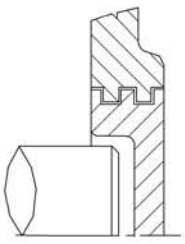
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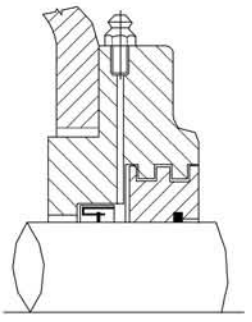
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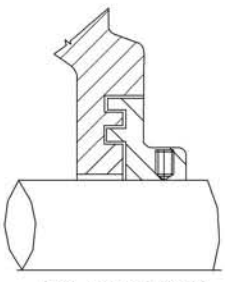
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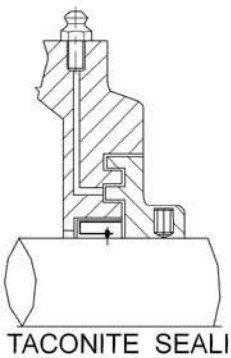
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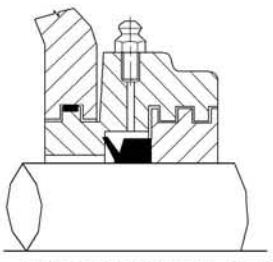
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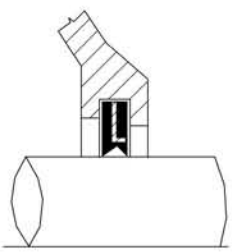
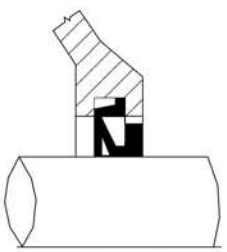

U-LOCK SEALING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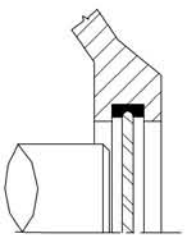
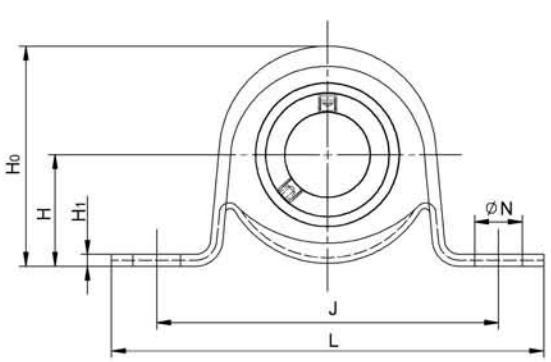
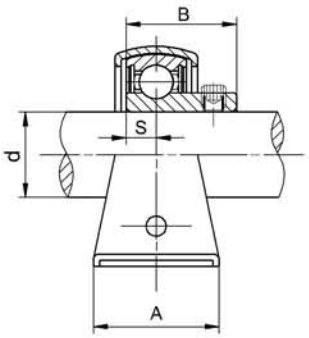
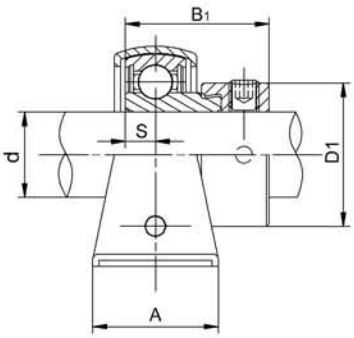

ASNA END PLATE





• SBPP200



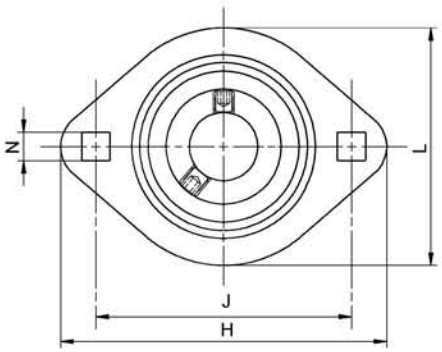
• SAPP200

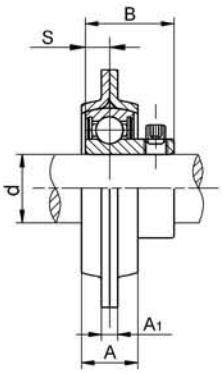
SBPP200 Series

Unit No.	Shaft Dia d		Dimensions(mm)									Bolt Size (mm)	Weight (kg)
	(in)	(mm)	L	J	H	H_1	H_0	N	A	B	S		
SBPP 201		12	86	68	22.2	2.4	43.4	9.5	25	22	6	M8	0.15
201-8	1/2												
202		15											
202-10	5/8												
203		17											
203-11	11/16												
SBPP 204		20	98	76	25.4	3	50.4	9.5	32	25	7	M8	0.22
204-12	3/4												
SBPP 205		25	108	86	28.6	4	56.5	11.5	32	27	7.5	M10	0.31
205-14	7/8												
205-15	15/16												
205-16	1												
SBPP 206		30	117	95	33.3	4	66.3	11.5	38	30	8	M10	0.43
206-18	1-1/8												
206-19	1-3/16												
206-20	11/4												
SBPP 207		35	130	106	39.7	5	78.2	11.5	43	32	8.5	M10	0.63
207-20	1-1/4												
207-21	1-5/16												
207-22	1-3/8												
207-23	1-7/16												
SBPP 208		40	148	120	43.7	5	85.8	12	44	34	9	M10	0.9
208-24	1-1/2												
208-25	1-9/16												
SBPP 209		45	156	128	46.8	6	92.3	13	46	36	9.5	M10	1.20
209-26	1-5/8												
209-27	1-11/16												
209-28	1-3/4												

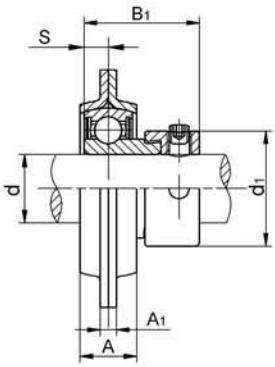
SAPP200 Series

Unit No.	Shaft Dia d		Dimensions(mm)									Bolt Size		Weight (kg)
	(in)	(mm)	L	J	H	H_1	H_0	N	A	d_1	B_1	S	(mm)	(in)	
SAPP 201		12	86	68	22.2	2.4	43.4	9.5	25	28.6	28.6	6	M6	1/4	0.26
201-8	1/2														
202		15													
202-10	5/8														
203		17													
203-11	11/16														
SAPP 204		20	98	76	25.4	3	50.4	9.5	32	33.3	31	7	M8	5/16	0.31
204-12	3/4														
SAPP 205		25	108	86	28.6	4	56.5	11.5	32	38.1	31.5	7.5	M8	5/16	0.38
205-14	7/8														
205-15	15/16														
205-16	1														
SAPP 206		30	117	95	33.3	4	66.3	11.5	38	44.5	35.7	8	M10	3/8	0.56
206-18	1-1/8														
206-19	1-3/16														
206-20	11/4														
SAPP 207		35	130	106	39.7	5	78.2	11.5	43	55.6	38.9	8.5	M10	3/8	0.8
207-20	1-1/4														
207-21	1-5/16														
207-22	1-3/8														
207-23	1-7/16														
SAPP 208		40	148	120	43.7	5	85.8	12	44	60.3	43.7	9	M12	1/2	1.07
208-24	1-1/2														
208-25	1-9/16														
SAPP 209		45	156	128	46.8	6	92.3	13	46	63.5	43.7	9.5	M12	1/2	1.24
209-26	1-5/8														
209-27	1-11/16														
209-28	1-3/4														





• SBPFL200



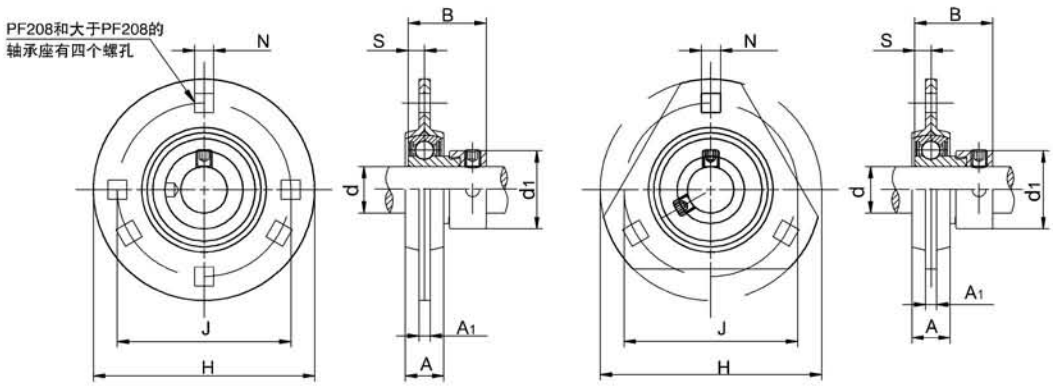
• SAPFL200

SBPFL200 Series

Unit No.	Shaft Dia d		Dimensions(mm)								Bolt Size		Weight (kg)
	(in)	(mm)	H	J	L	A	A_1	N	B	S	(mm)	(in)	
SBPFL 201		12	81	63.5	59	14	4	7	22	6	M6	1/4	0.23
201-8	1/2												
202		15											
202-10	5/8												
203		17											
203-11	11/16												
SBPFL 204		20	90	71.7	67	17	4	9	25	7	M8	5/16	0.26
204-12	3/4												
SBPFL 205		25	95	76	71	18	4	9	27	7.5	M8	5/16	0.35
205-14	7/8												
205-15	15/16												
205-16	1												
SBPFL 206		30	113	90.5	84	19	5	11	30	8	M10	3/8	0.46
206-18	1-1/8												
206-19	1-3/16												
206-20	1-1/4												
SBPFL 207		35	122	100	94	22	5	11	32	8.5	M10	3/8	0.73
207-20	1-1/4												
207-21	1-5/16												
207-22	1-3/8												
207-23	1-7/16												
SBPFL 208		40	147	119	105	23	7	13.5	34	9	M12	1/2	0.94
208-24	1-1/2												
208-25	1-9/16												

SAPFL200 Series

Unit No.	Shaft Dia d		Dimensions(mm)									Bolt Size		Weight (kg)
	(in)	(mm)	H	J	L	A	A_1	d_1	N	B_1	S	(mm)	(in)	
SAPFL 201		12	81	63.5	59	14	4	28.6	7	22	6	M6	1/4	0.34
201-8	1/2													
202		15												
202-10	5/8													
203		17												
203-11	11/16													
SAPFL 204		20	90	71.7	67	17	4	33.3	9	25	7	M8	5/16	0.35
204-12	3/4													
SAPFL 205		25	95	76	71	18	4	38.1	9	27	7.5	M8	5/16	0.42
205-14	7/8													
205-15	15/16													
205-16	1													
SAPFL 206		30	113	90.5	84	19	5	44.5	11	30	8	M10	3/8	0.59
206-18	1-1/8													
206-19	1-3/16													
206-20	1-1/4													
SAPFL 207		35	122	100	94	22	5	55.6	11	32	8.5	M10	3/8	0.9
207-20	1-1/4													
207-21	1-5/16													
207-22	1-3/8													
207-23	1-7/16													
SAPFL 208		40	147	119	105	23	7	60.3	13.5	34	9	M12	1/2	1.11
208-24	1-1/2													
208-25	1-9/16													

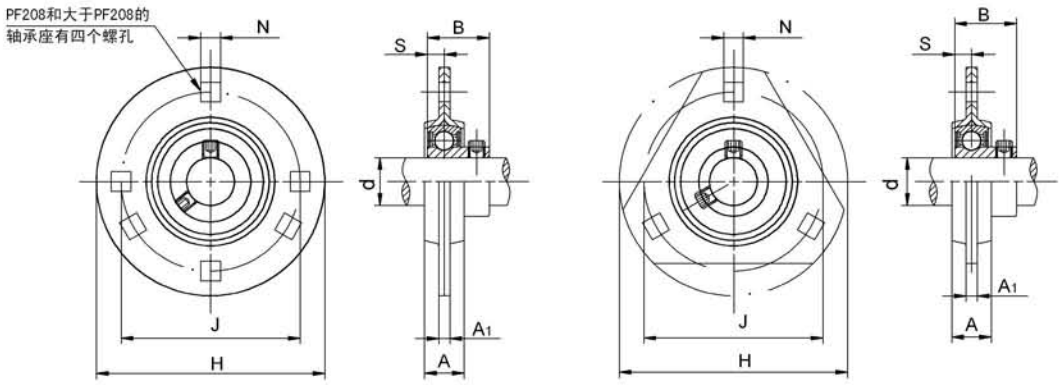


• SAPF200 • SAPFT200

SAPF200 SAPFT200 Series

Unit No.		Shaft Dia d		Dimensions(mm)								Bolt Size		Weight (kg)
		(in)	(mm)	H	J	A	A_1	d_1	N	B_1	S	(mm)	(in)	
SAPF SAPFT	201		12	81	63.5	14	4	28.6	7	28.6	6	M6	1/4	0.24
	201-8	1/2												
	202		15											
	202-10	5/8												
	203		17											
	203-11	11/16												
	204		20	90	71	16	4	33.3	9	31	7	M8	5/16	0.35
	204-12	3/4												
	205		25	95	76	19	4	38.1	9	31.5	7.5	M8	5/16	0.42
	205-14	7/8												
	205-15	15/16												
	205-16	1												
	206		30	113	90	19	5	44.5	11	35.7	8	M10	3/8	0.59
	206-18	1-1/8												
	206-19	1-3/16												
	206-20	1-1/4												
	207		35	122	100	20	5	55.6	11	38.9	8.5	M10	3/8	0.9
	207-20	1-1/4												
	207-21	1-5/16												
	207-22	1-3/8												
	207-23	1-7/16												
	208		40	148	119	21	7	60.3	13.5	43.7	9	M12	1/2	1.11
	208-24	1-1/2												
	208-25	1-9/16												
	209		45	149	120.5	23	7	63.5	13.5	43.7	9.5	M12	1/2	1.48
	209-26	1-5/8												
	209-27	1-11/16												
	209-28	1-3/4												
	210		50	157	127	26	8	63.5	13.5	43.7	10	M12	1/2	
	210-30	1-7/8												
	210-31	1-15/16												
	211		55	168	138	26	8	63.5	13.5	48.4	10.5	M12	1/2	
	211-32	2												
	211-34	2-1/8												
	211-35	2-3/16												
	212		60	177	148	28	8	63.5	13.5	53.1	11	M12	1/2	
	212-36	2-1/4												
	212-38	2-3/8												
	212-39	2-7/16												

PF208~212 with 4 bolt holes.

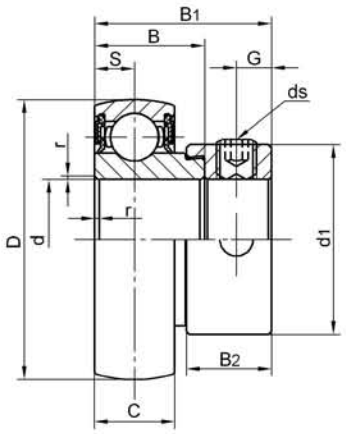


• SBPF200 • SBPFT200

SBPF200 SBPFT200 Series

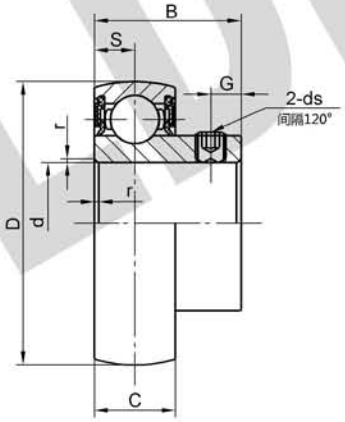
Unit No.		Shaft Dia d		Dimensions(mm)							Bolt Size		Weight (kg)
		(in)	(mm)	H	J	A	A_1	N	B	S	(mm)	(in)	
SBPF SBPFT	201		12	81	63.5	14	4	7	22	6	M6	1/4	0.23
	201-8	1/2											
	202		15										
	202-10	5/8											
	203		17										
	203-11	11/16											
	204		20	90	71	16	4	9	25	7	M8	5/16	0.26
	204-12	3/4											
	205		25	95	76	19	4	9	27	7.5	M8	5/16	0.35
	205-14	7/8											
	205-15	15/16											
	205-16	1											
	206		30	113	90	19	5	11	30	8	M10	3/8	0.46
	206-18	1-1/8											
	206-19	1-3/16											
	206-20	1-1/4											
	207		35	122	100	20	5	11	32	8.5	M10	3/8	0.73
	207-20	1-1/4											
	207-21	1-5/16											
	207-22	1-3/8											
	207-23	1-7/16											
	208		40	148	119	21	7	13.5	34	9	M12	1/2	0.94
	208-24	1-1/2											
	208-25	1-9/16											
	209		45	149	120.5	23	7	13.5	36	9.5	M12	1/2	1.44
	209-26	1-5/8											
	209-27	1-11/16											
	209-28	1-3/4											
	210		50	157	127	26	8	13.5	38	10	M12	1/2	
	210-30	1-7/8											
	210-31	1-15/16											
	211		55	168	138	26	8	13.5	40	10.5	M12	1/2	
	211-32	2											
	211-34	2-1/8											
	211-35	2-3/16											
	212		60	177	148	28	8	13.5	42	11	M12	1/2	
	212-36	2-1/4											
	212-38	2-3/8											
	212-39	2-7/16											

PF208~212 with 4 bolt holes.



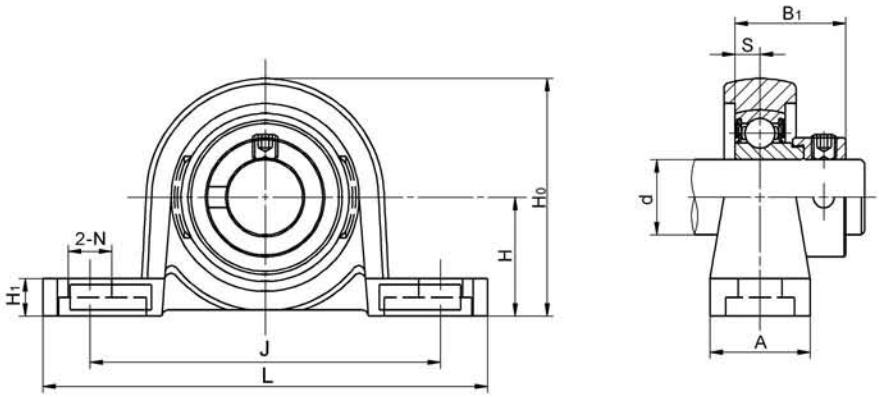
U000 SU000 Series

Unit No.		Shaft d(mm)	Dimensions(mm)										Basic Load Rating kgf		Weight (kg)
Chrome Steel	Stainless Steel		D	B	C	S	B_1	B_2	d1	r	G	ds	Dynamic Cr	Static Cor	
U 000	SU 000	10	26	11	8	4	17.7	8.5	17	0.5	3.5	M4X0.7	3.50	1.73	0.03
U 001	SU 001	12	28	11	8	4	17.7	8.5	19	0.5	3.5	M4X0.7	3.93	2.39	0.04
U 002	SU 002	15	32	12	9	4.5	18.7	8.5	22	0.5	3.5	M4X0.7	4.30	2.51	0.05
U 003	SU 003	17	35	13.5	10	5	20.7	9.5	25	0.5	3.5	M4X0.7	4.62	2.79	0.07
U 004	SU 004	20	42	16.5	12	6	24.2	11	30	1	3.8	M5X0.8	7.22	4.46	0.11
U 005	SU 005	25	47	17.5	12	6	25	12	36	1	4	M5X0.8	7.74	4.96	0.15
U 006	SU 006	30	55	18.5	13	6.5	26	12	42	1.5	4	M5X0.8	10.18	6.91	0.21



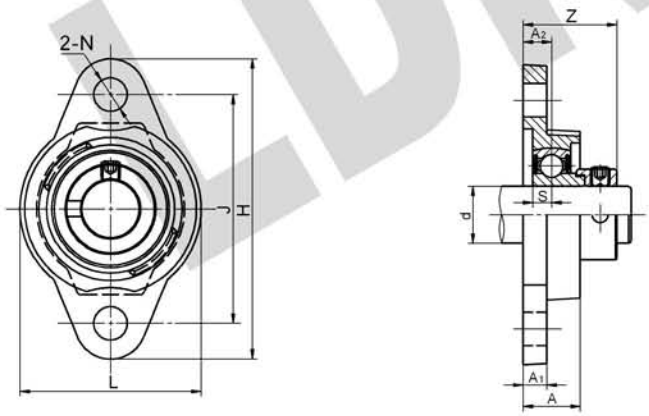
K000 SK000 Series

Unit No.		Shaft d(mm)	Dimensions(mm)							Basic Load Rating kgf		Weight (kg)
Chrome Steel	Stainless Steel		D	B	C	S	r	G	ds	Dynamic Cr	Static Cor	
K 000	SK 000	10	26	14	8	4	0.5	3	M3x0.35	3.50	1.73	0.03
K 001	SK 001	12	28	14.5	8	4	0.5	3	M3x0.35	3.93	2.39	0.04
K 002	SK 002	15	32	16.5	9	4.5	0.5	3.5	M4X0.5	4.30	2.51	0.05
K 003	SK 003	17	35	17.5	10	5	0.5	3.5	M4X0.5	4.62	2.79	0.07
K 004	SK 004	20	42	21	12	6	1	4	M5X0.5	7.22	4.46	0.11
K 005	SK 005	25	47	22.5	12	6	1	4.5	M5X0.5	7.74	4.96	0.15
K 006	SK 006	30	55	24.5	13	6.5	1.5	5	M5X0.5	10.18	6.91	0.21



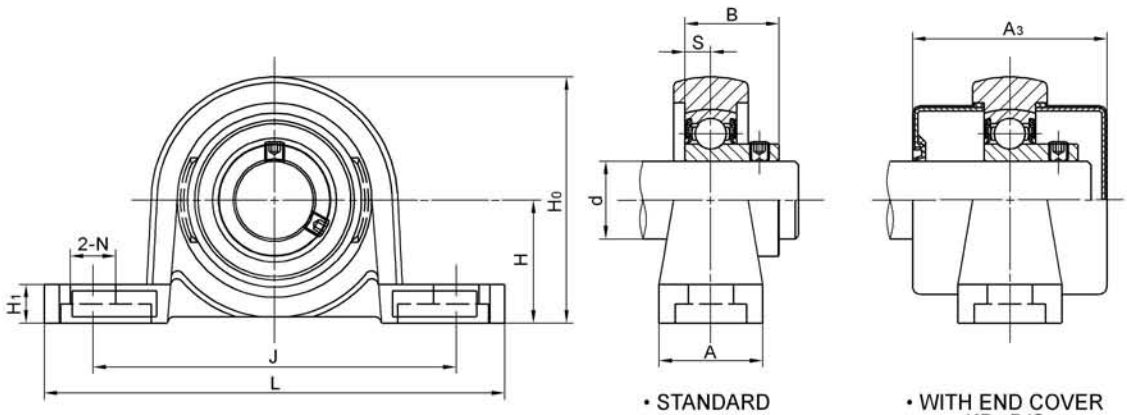
UP000 Series

Unit No.	Shaft d(mm)	Dimensions(mm)									Bolt Size mm	Bearing No.	Housing No.	Weight (kg)
		H	L	J	A	H1	H0	N	S	B1				
UP000	10	18	67	53	16	6	35	7	4	17.7	M6	U000	P000	0.08
UP001	12	19	71	56	16	6	38	7	4	17.7	M6	U001	P001	0.10
UP002	15	22	80	63	16	7	43	7	4.5	18.7	M6	U002	P002	0.14
UP003	17	24	85	67	18	7	47	7	5	20.7	M6	U003	P003	0.17
UP004	20	28	100	80	20	9	55	10	6	24.2	M8	U004	P004	0.26
UP005	25	32	112	90	20	10	62	10	6	25	M8	U005	P005	0.33
UP006	30	36	132	106	26	11	70	13	6.5	26	M10	U006	P006	0.50



UFL000 Series

Unit No.	Shaft d(mm)	Dimensions(mm)									Bolt Size mm	Bearing No.	Housing No.	Weight (kg)
		H	J	A2	A1	A	N	L	S	z				
UFL000	10	60	45	6	6	12	7	36	4	19.7	M6	U000	FL000	0.07
UFL001	12	63	48	6	6	12	7	38	4	19.7	M6	U001	FL001	0.08
UFL002	15	67	53	6.5	6.5	13	7	42	4.5	20.7	M6	U002	FL002	0.11
UFL003	17	71	56	7	7	14	7	46	5	22.7	M6	U003	FL003	0.14
UFL004	20	90	71	8	8	16	10	55	6	26.2	M8	U004	FL004	0.23
UFL005	25	95	75	8	8	16	10	60	6	27	M8	U005	FL005	0.27
UFL006	30	112	85	9	9	18	13	70	6.5	28.5	M10	U006	FL006	0.39

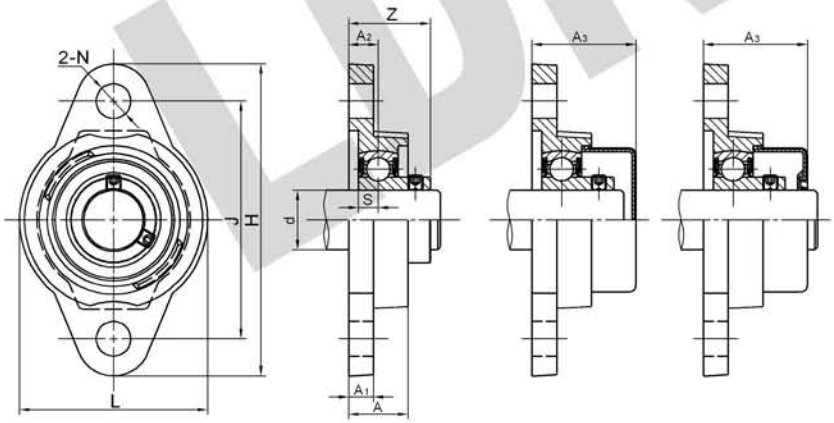


• STANDARD

• WITH END COVER
KP...D/C

KP000 Series

Unit No.	Shaft d(mm)	Dimensions(mm)										Bolt Size mm	Bearing No.	Housing No.	Weight (kg)
		H	L	J	A	H1	H0	N	S	B	A3				
KP000	10	18	67	53	16	6	35	7	4	14	28.3	M6	K000	P000	0.08
KP001	12	19	71	56	16	6	38	7	4	14.5	30	M6	K001	P001	0.10
KP002	15	22	80	63	16	7	43	7	4.5	16.5	33	M6	K002	P002	0.14
KP003	17	24	85	67	18	7	47	7	5	17.5	36	M6	K003	P003	0.17
KP004	20	28	100	80	20	9	55	10	6	21	40	M8	K004	P004	0.25
KP005	25	32	112	90	20	10	62	10	6	22.5	41	M8	K005	P005	0.33
KP006	30	36	132	106	26	11	70	13	6.5	24.5	43	M10	K006	P006	0.50



• STANDARD • WITH CLOSE COVER
KFL...C

• WITH OPEN COVER
KFL...D

KFL000 Series

Unit No.	Shaft d(mm)	Dimensions(mm)										Bolt Size mm	Bearing No.	Housing No.	Weight (kg)
		H	J	A2	A1	A	N	L	S	z	A3				
KFL000	10	60	45	6	6	12	7	36	4	16	20.3	M6	K000	FL000	0.07
KFL001	12	63	48	6	6	12	7	38	4	16.5	21	M6	K001	FL001	0.08
KFL002	15	67	53	6.5	6.5	13	7	42	4.5	18.5	23	M6	K002	FL002	0.11
KFL003	17	71	56	7	7	14	7	46	5	19.5	25	M6	K003	FL003	0.14
KFL004	20	90	71	8	8	16	10	55	6	23	28	M8	K004	FL004	0.23
KFL005	25	95	75	8	8	16	10	60	6	24.5	28.5	M8	K005	FL005	0.27
KFL006	30	112	85	9	9	18	13	70	6.5	27	30.5	M10	K006	FL006	0.39

Cooo for close cover
Dooo for open cover

LDK® Thermoplastic housings

LDK® Thermoplastic housings are specially designed to meet particular engineering demand for food, beverage photo, and the chemical industries. The maintenance and the corrosion resistance characteristics as well as a low weight element has proven to stand the hard working conditions for all needed applications.

LDK® Thermoplastic housing can be delivered with Chrome steel bearing inserts black oxided inserts or stainless steel inserts for maximum corrosion resistance.

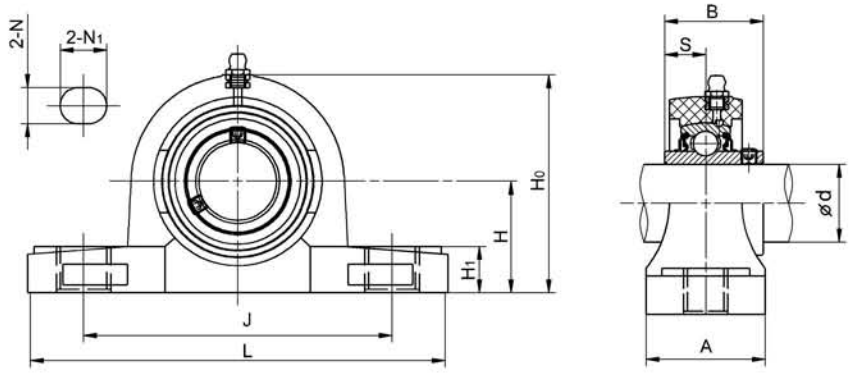
LDK® Thermoplastic housing are designed to meet important engineering demand for:

- Frequent washdowns
- Corrosion resistance
- Exposure to harsh chemicals
- Exposure to high humidity
- Regreasable fittings
- Operating temperature -35℃ to 102℃

LDK® thermoplastic housings can be delivered with food approved grease to any specification. Please contact your local distributor for your grease specification requirement.

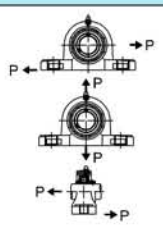
Because of their corrosion-resistant and **non-magnetic** properties. LDK® thermoplastic housings are used in a wide variety of industries:

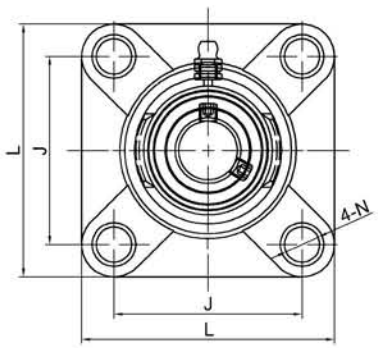
- Food processing
- Canning
- Bottling
- Pharmacy industry
- Chemical processing
- Photo industry

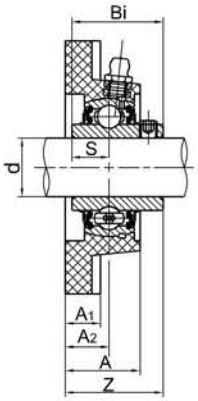


TP-SUCP200 Series

Unit No.	Shaft Dia d (in)	Shaft Dia d (mm)	H	L	J	A	N	N1	H1	H0	B	S	Bolt Size (mm)	Weight (kg)
TP-SUCP201		12	33.3	127	95	38	11	14	15	65.5	31	12.7	M10	0.29
201-8	1/2													
TP-SUCP202		15	33.3	127	95	38	11	14	15	65.5	31	12.7	M10	0.29
202-9	9/16													
202-10	5/8													
TP-SUCP203		17	33.3	127	95	38	11	14	15	65.5	31	12.7	M10	0.29
203-11	11/16													
TP-SUCP204		20	33.3	127	95	38	11	14	15	65.5	31	12.7	M10	0.29
204-12	3/4													
TP-SUCP205		25	36.5	140	105	38	11	14	16	71	34.1	14.3	M10	0.32
205-14	7/8													
205-15	15/16													
205-16	1													
TP-SUCP206		30	42.9	164	120	46	14	18	18	84	38.1	15.9	M12	0.58
206-17	1-1/16													
206-18	1-1/8													
206-19	1-3/16													
206-20	1-1/4													
TP-SUCP207		35	47.6	168	127	48	14	18	18	94.5	42.9	17.5	M12	0.76
207-20	1-1/4													
207-21	1-5/16													
207-22	1-3/8													
207-23	1-7/16													
TP-SUCP208		40	49.2	184	137	54	14	18	19.5	99	42.9	19	M12	0.97
208-24	1-1/2													
208-25	1-9/16													
TP-SUCP209		45	54	192	146	54	17	20	23	106	42.9	19	M16	1.08
209-26	1-5/8													
209-27	1-11/16													
209-28	1-3/4													
TP-SUCP210		50	57.2	204	159	60	17	20	24	114	51.6	19	M16	1.24
210-30	1-7/8													
210-31	1-15/16													
210-32	2													
TP-SUCP211		55	63.5	217	172	60	17	20	22	124	55.6	22.2	M16	1.6
211-32	2													
211-34	2-1/8													
211-35	2-3/16													
TP-SUCP212		60	69.9	238	186	66	17	24	24	125	65.1	25.4	M16	2.4
212-36	2-1/4													
212-38	2-3/8													
212-39	2-7/16													

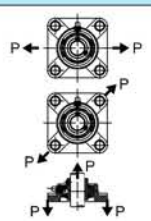
MODE OF LOAD	BREAKING POINT OF HOUSINGS(N)								
	204	205	206	207	208	209	210	211	212
	8800	13700	12650	12750	13100	13360	13850	14450	20130
	7700	10000	10600	12750	11100	11400	11750	12450	13110
	5000	5100	5750	7500	8500	8950	9550	10150	10700

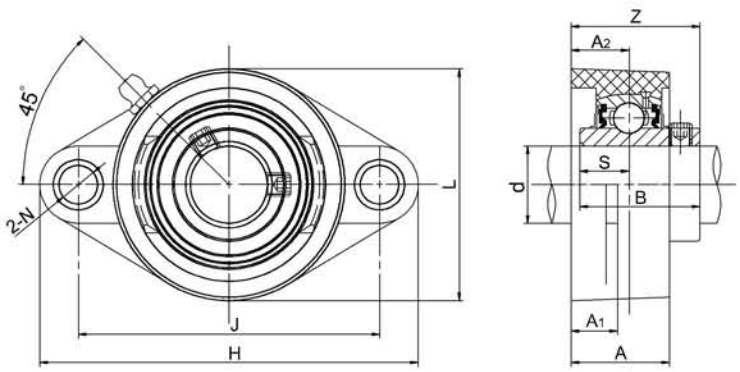




TP-SUCF200 Series

Unit No.	Shaft Dia d (in)	Shaft Dia d (mm)	L	J	A2	A1	A	N	B	S	Z	Bolt Size (mm)	Weight (kg)
TP-SUCF201		12	86	63.5	18	13.4	27.8	11	31	12.7	36.3	M10	0.29
201-8	1/2												
TP-SUCF202		15	86	63.5	18	13.4	27.8	11	31	12.7	36.3	M10	0.29
202-9	9/16												
202-10	5/8												
TP-SUCF203		17	86	63.5	18	13.4	27.8	11	31	12.7	36.3	M10	0.29
203-11	11/16												
TP-SUCF204		20	86	63.5	18	13.4	27.8	11	31	12.7	36.3	M10	0.29
204-12	3/4												
TP-SUCF205		25	95	70	17	14	28	11	34.1	14.3	36.7	M10	0.32
205-14	7/8												
205-15	15/16												
205-16	1												
TP-SUCF206		30	108	83	19.2	14.3	31.5	11	38.1	15.9	41.4	M10	0.54
206-17	1-1/16												
206-18	1-1/8												
206-19	1-3/16												
206-20	1-1/4												
TP-SUCF207		35	118	92	21.5	15.5	34.8	13	42.9	17.5	46.9	M12	0.75
207-20	1-1/4												
207-21	1-5/16												
207-22	1-3/8												
207-23	1-7/16												
TP-SUCF208		40	130	102	23	18	37.5	14	49.2	19	53.2	M12	0.99
208-24	1-1/2												
208-25	1-9/16												
TP-SUCF209		45	137	105	24	19	41	17	49.2	19	54.2	M16	1.12
209-26	1-5/8												
209-27	1-11/16												
209-28	1-3/4												
TP-SUCF210		50	143	111	25	21	43	17	51.6	19	57.6	M16	1.24
210-30	1-7/8												
210-31	1-15/16												
210-32	2												
TP-SUCF211		55	162	130	25	20	43	17	55.6	22.2	58.4	M16	1.58
211-32	2												
211-34	2-1/8												
211-35	2-3/16												
TP-SUCF212		60	175	143	29	19	48	17	65.1	25.4	68.7	M16	2.1
212-36	2-1/4												
212-38	2-3/8												
212-39	2-7/16												

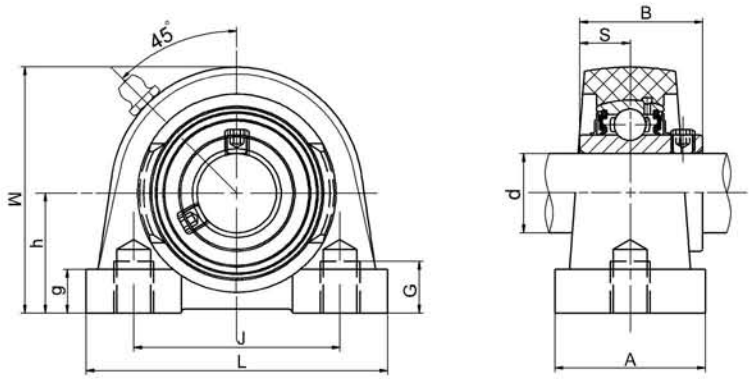
MODE OF LOAD	BREAKING POINT OF HOUSINGS(N)								
	204	205	206	207	208	209	210	210	210
	15950	16000	18000	18500	19100	19350	19650	21550	22600
	10250	12150	17700	18500	19250	19350	19650	21500	21900
	4670	6596	8059	7910	8520	9010	9600	9700	9800



TP-SUCFL200 Series

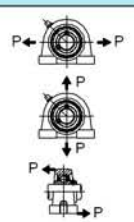
Unit No.	Shaft Dia d (in)	Shaft Dia d (mm)	Dimensions(mm) H	J	A2	A1	A	N	L	B	S	Z	Bolt Size (mm)	Weight (kg)
TP-SUCFL201		12	114	90	16	14	26.5	11	65	31	12.7	33.7	M10	0.25
201-8	1/2													
TP-SUCFL202		15	114	90	16	14	26.5	11	65	31	12.7	33.7	M10	0.25
202-9	9/16													
202-10	5/8													
TP-SUCFL203		17	114	90	16	14	26.5	11	65	31	12.7	33.7	M10	0.25
203-11	11/16													
TP-SUCFL204		20	114	90	16	14	26.5	11	65	31	12.7	33.7	M10	0.25
204-12	3/4													
TP-SUCFL205		25	131	99	17	14	29	11	69	34.1	14.3	36.7	M10	0.32
205-14	7/8													
205-15	15/16													
205-16	1													
TP-SUCFL206		30	148	117	19	14	31	11	80	38.1	15.9	41.2	M10	0.5
206-17	1-1/16													
206-18	1-1/8													
206-19	1-3/16													
206-20	1-1/4													
TP-SUCFL207		35	166	130	18	16	32	13	92	42.9	17.5	43.4	M12	0.7
207-20	1-1/4													
207-21	1-5/16													
207-22	1-3/8													
207-23	1-7/16													
TP-SUCFL208		40	176	144	21.5	20	37.5	14	101	49.2	19	51.7	M12	0.89
208-24	1-1/2													
208-25	1-9/16													
TP-SUCFL209		45	189	148.5	24	21	41	17	108	49.2	19	54.2	M16	1.01
209-26	1-5/8													
209-27	1-11/16													
209-28	1-3/4													
TP-SUCFL210		50	197	157	25	21	43	17	116	51.6	19	57.6	M16	1.13
210-30	1-7/8													
210-31	1-15/16													
210-32	2													
TP-SUCFL211		55	224	184	25	20	43	17	130	55.6	22.2	58.1	M16	1.5
211-32	2													
211-34	2-1/8													
211-35	2-3/16													
TP-SUCFL212		60	250	202	29	20	48	17	140	65.1	25.4	68.7	M16	2.1
212-36	2-1/4													
212-38	2-3/8													
212-39	2-7/16													

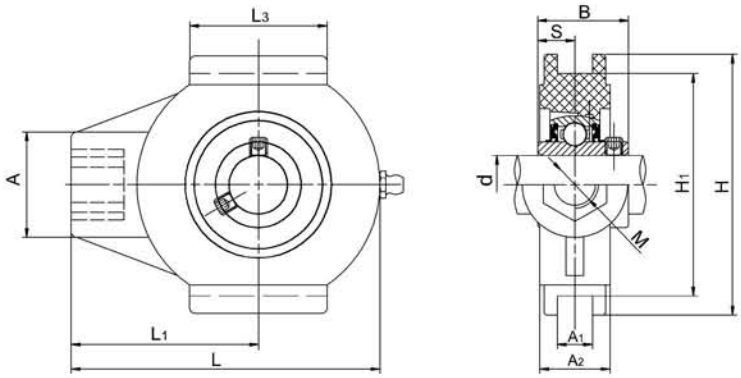
MODE OF LOAD	BREAKING POINT OF HOUSINGS(N) 204	205	206	207	208	209	210	211	212
P←→P	10872	12554	18224	16900	17213	17600	17950	18300	18700
P↑ ↓P	10590	15093	16826	14900	15150	15350	15650	15900	16250
P↑ ↓P	6584	5314	5633	6000	6510	6940	7590	8250	8950



TP-SUCPA200 Series

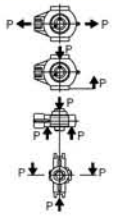
Unit No.	Shaft Dia d (in)	Shaft Dia d (mm)	Dimensions(mm) H	L	J	A	H0	B	S	Bolt Size (mm)	Weight (kg)
TP-SUCPA201		12	33.3	76	52	38	64	31	12.7	M8	0.26
201-8	1/2										
TP-SUCPA202		15	33.3	76	52	38	64	31	12.7	M8	0.26
202-9	9/16										
202-10	5/8										
TP-SUCPA203		17	33.3	76	52	38	64	31	12.7	M8	0.26
203-11	11/16										
TP-SUCPA204		20	33.3	76	52	38	64	31	12.7	M8	0.26
204-12	3/4										
TP-SUCPA205		25	36.5	84	56	38	72	34.1	14.3	M10	0.32
205-14	7/8										
205-15	15/16										
205-16	1										
TP-SUCPA206		30	42.9	95	66	48	84	38.1	15.9	M10	0.53
206-17	1-1/16										
206-18	1-1/8										
206-19	1-3/16										
206-20	1-1/4										
TP-SUCPA207		35	47.6	110	80	48	95	42.9	17.5	M10	0.73
207-20	1-1/4										
207-21	1-5/16										
207-22	1-3/8										
207-23	1-7/16										
TP-SUCPA208		40	49.2	116	84	54	100	49.2	19	M12	0.93
208-24	1-1/2										
208-25	1-9/16										
TP-SUCPA209		45	54.2	120	90	54	108	49.2	19	M12	1.06
209-26	1-5/8										
209-27	1-11/16										
209-28	1-3/4										
TP-SUCPA210		50	57.2	130	94	60	116	51.6	19	M16	1.25
210-30	1-7/8										
210-31	1-15/16										
210-32	2										

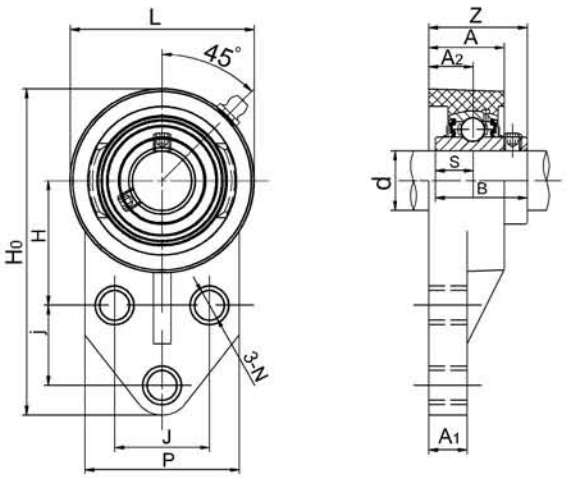
MODE OF LOAD	BREAKING POINT OF HOUSINGS(N) 204	205	206	207	208	209	210
	8210	8540	10370	12150	12230	12900	13850
	6900	7010	6580	8080	9100	10400	11050
	2980	2850	4950	8160	9800	10710	11360



TP-SUCT200 Series

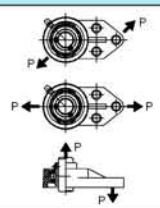
Unit No.	Shaft Dia d		Dimensions(mm)											Weight (kg)
	(in)	(mm)	L	A2	A1	L1	H	H1	M	A	L3	B	S	
TP-SUCT201		12	99	27.5	12	64	88	76	M16	36	47	31	12.7	0.33
201-8	1/2													
TP-SUCT202		15	99	27.5	12	64	88	76	M16	36	47	31	12.7	0.33
202-9	9/16													
202-10	5/8													
TP-SUCT203		17	99	27.5	12	64	88	76	M16	36	47	31	12.7	0.33
203-11	11/16													
TP-SUCT204		20	99	27.5	12	64	88	76	M16	36	47	31	12.7	0.33
204-12	3/4													
TP-SUCT205		25	99	27.5	12	64	88	74	M16	36	47	34.1	14.3	0.34
205-14	7/8													
205-15	15/16													
205-16	1													
TP-SUCT206		30	125	34.5	12	76	101.4	89	M16	40	63	38.1	15.9	0.62
206-17	1-1/16													
206-18	1-1/8													
206-19	1-3/16													
206-20	1-1/4													
TP-SUCT207		35	125	34.5	12	76	101.4	89	M16	40	63	42.9	17.5	0.73
207-20	1-1/4													
207-21	1-5/16													
207-22	1-3/8													
207-23	1-7/16													
TP-SUCT208		40	140	34.5	16	85	113.6	100	M16	40	80	49.2	19	0.96
208-24	1-1/2													
208-25	1-9/16													
TP-SUCT209		45	149	40	16	90	116	100	M20	50	85	49.2	19	1.14
209-26	1-5/8													
209-27	1-11/16													
209-28	1-3/4													
TP-SUCT210		50	149	40	16	90	116	100	M20	50	85	51.6	19	1.17
210-30	1-7/8													
210-31	1-15/16													
210-32	2													

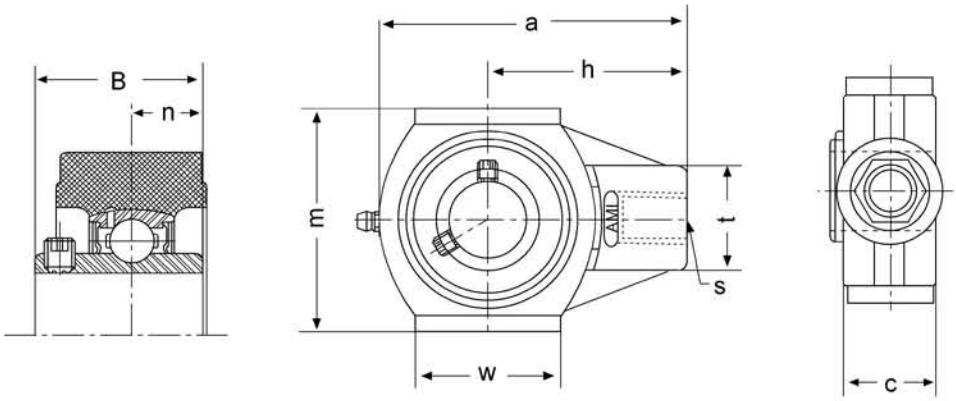
MODE OF LOAD	BREAKING POINT OF HOUSINGS(N)						
	204	205	206	207	208	209	210
	14800	15500	15800	16500	17300	18210	18860
	3930	4530	5100	6500	7800	8710	9750
	8500	10350	10900	11300	12150	12900	13550
	40770	45300	46100	44100	42800	44230	44880



TP-SUCFB200 Series

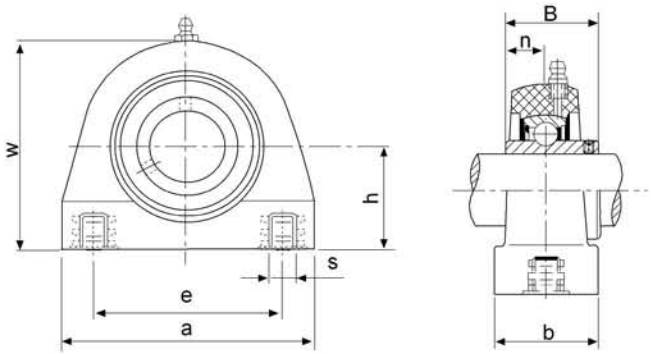
Unit No.	Shaft Dia d (in)	Shaft Dia d (mm)	Dimensions(mm) H0	H	J	j	A2	A1	A	N	L	P	B	S	Z	Bolt Size (mm)	Weight (kg)
TP-SUCFB201		12	109	42.9	38.1	22.2	19.7	11.4	31.2	11	63	62	31	12.7	38	M10	0.28
201-8	1/2																
TP-SUCFB202		15	109	42.9	38.1	22.2	19.7	11.4	31.2	11	63	62	31	12.7	38	M10	0.26
202-9	9/16																
202-10	5/8																
TP-SUCFB203		17	109	42.9	38.1	22.2	19.7	11.4	31.2	11	63	62	31	12.7	38	M10	0.25
203-11	11/16																
TP-SUCFB204		20	109	42.9	38.1	22.2	19.7	11.4	31.2	11	63	62	31	12.7	38	M10	0.25
204-12	3/4																
TP-SUCFB205		25	121	46	41.3	28.6	21.3	12.3	33	11	70	63	34.1	14.3	41.1	M10	0.30
205-14	7/8																
205-15	15/16																
205-16	1																
TP-SUCFB206		30	139	52.4	47.6	31.8	22.9	14.5	35.4	11	83	76	38.1	15.9	47.6	M10	0.46
206-17	1-1/16																
206-18	1-1/8																
206-19	1-3/16																
206-20	1-1/4																
TP-SUCFB207		35	158	60.3	50.8	31.8	24.5	17	37.5	13	94	89	42.9	17.5	50.8	M12	0.66
207-20	1-1/4																
207-21	1-5/16																
207-22	1-3/8																
207-23	1-7/16																
TP-SUCFB208		40	178	67.3	54	35.5	26	18.5	39.5	13	103	99	49.2	19	54	M12	0.9
208-24	1-1/2																
208-25	1-9/16																

MODE OF LOAD	BREAKING POINT OF HOUSINGS(N) 204	205	206	207	207	208
	7200	9100	12200	12900	13600	13600
	9200	11100	11800	11900	12100	12100
	2600	2800	2900	3100	3300	3300



TP-SUCHP200 Series

Unit No.	Shaft Dia d (in)	Shaft Dia d (mm)	Dimensions (mm) a	c	h	m	t	w	s	B	n	Bearing No.	Housing No.	Weight lb
TP-SUCHP201		12	99	27.5	63.5	65	36	47	1/2-13 UNC	31	12.7	SUC201	TP-HP201	0.86
201-8	1/2											SUC201-8		
TP-SUCHP202-9	9/16											SUC202-9		
202		15	99	27.5	63.5	65	36	47	1/2-13 UNC	31	12.7	SUC202	TP-HP202	0.83
202-10	5/8											SUC202-10		
TP-SUCHP203		17	99	27.5	63.5	65	36	47	1/2-13 UNC	31	12.7	SUC203	TP-HP203	0.8
203-11	11/16											SUC203-11		
TP-SUCHP204-12	3/4		99	27.5	63.5	65	36	47	1/2-13 UNC	31	12.7	SUC204-12	TP-HP204	0.77
204		20										SUC204		
TP-SUCHP205-14	7/8											SUC205-14		
205-15	15/16											SUC205-15		
205		25	99	27.5	63.5	74	36	47	1/2-13 UNC	34	14.3	SUC205	TP-HP205	0.89
205-16	1											SUC205-16		
TP-SUCHP206-17	1-1/16											SUC206-17		
206-18	1-1/8											SUC206-18		
206		30	125	34.5	76	88.9	40	63.5	5/8-11 UNC	38.1	15.9	SUC206	TP-HP206	1.22
206-19	1-3/16											SUC206-19		
206-20	1-1/4											SUC206-20		
TP-SUCHP207-20	1-1/4											SUC207-20		
207-21	1-5/16											SUC207-21		
207-22	1-3/8		125	34.5	76	88.9	40	63.5	5/8-11 UNC	42.9	17.5	SUC207-22	TP-HP207	1.77
207		35										SUC207		
207-23	1-7/16											SUC207-23		

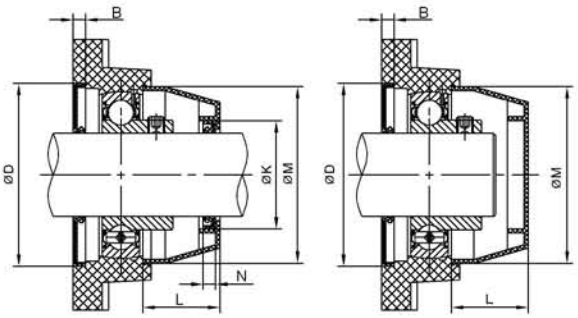


TP-SUCTB200 Series

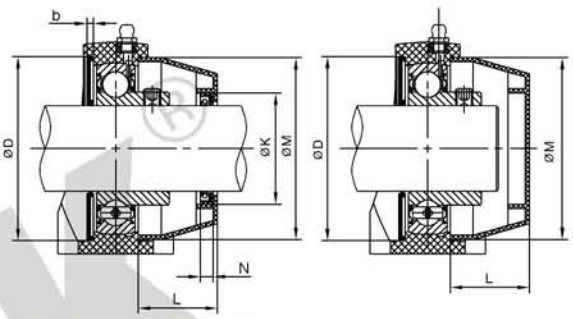
Unit No.	Shaft Dia d (in)	Shaft Dia d (mm)	Dimensions(mm) h	b	w	e	a	s	B	n	Bolt Size (mm)	Housing No.	Bearing No.	Weight (kg)
TP-SUCTB201		12	33.3	34.5	66	50.8	73	3/8-16	31	12.7	M8	TP-TB201	SUC201	0.26
201-8	1/2												SUC201-8	
TP-SUCTB202-9	9/16	15	33.3	34.5	66	50.8	73	3/8-16	31	12.7	M8	TP-TB202	SUC202-9	0.26
202													SUC202	
202-10	5/8												SUC202-10	
TP-SUCTB203		17	33.3	34.5	66	50.8	73	3/8-16	31	12.7	M8	TP-TB203	SUC203	0.26
203-11	11/16												SUC203-11	
TP-SUCTB204-12	3/4	20	33.3	34.5	66	50.8	73	3/8-16	31	12.7	M8	TP-TB204	SUC204-12	0.26
204													SUC204	
TP-SUCTB205-14	7/8	25	36.5	39.7	73.4	50.8	76.2	3/8-16	34.1	14.3	M10	TP-TB205	SUC205-14	0.32
205-15	15/16												SUC205-15	
205													SUC205	
205-16	1												SUC205-16	
TP-SUCTB206-17	1-11/16	30	42.9	42.5	84	76.2	101.6	7/16-14	38.1	15.9	M10	TP-TB206	SUC206-17	0.53
206-18	1-1/8												SUC206-18	
206													SUC206	
206-19	1-3/16												SUC206-19	
206-20	1-1/4												SUC206-20	
TP-SUCTB207-20	1-1/4	35	47.6	47.6	95	82.6	111	1/2-13	42.9	17.5	M10	TP-TB207	SUC207-20	0.73
207-21	1-5/16												SUC207-21	
207-22	1-3/8												SUC207-22	
207													SUC207	
207-23	1-7/16												SUC207-23	
TP-SUCTB208-24	1-1/2	40	49.2	47.6	100.4	88.9	120	1/2-13	49.2	19	M12	TP-TB208	SUC208-24	0.93
208-25	1-9/16												SUC208-25	
208													SUC208	
TP-SUCTB209-26	1-5/8	45	54.2	50	108.5	95.3	124	1/2-13	49.2	19	M12	TP-TB209	SUC209-26	1.06
209-27	1-11/16												SUC209-27	
209-28	1-3/4												SUC209-28	
209													SUC209	
TP-SUCTB210-30	1-7/8	50	57.2	54	115	101.6	135	5/8-11	51.6	19	M16	TP-TB210	SUC210-30	1.25
210-31	1-15/16												SUC210-31	
210													SUC210	
210-32	2												SUC210-32	

Plastic Covers: Open/Close Type (OC / CC)

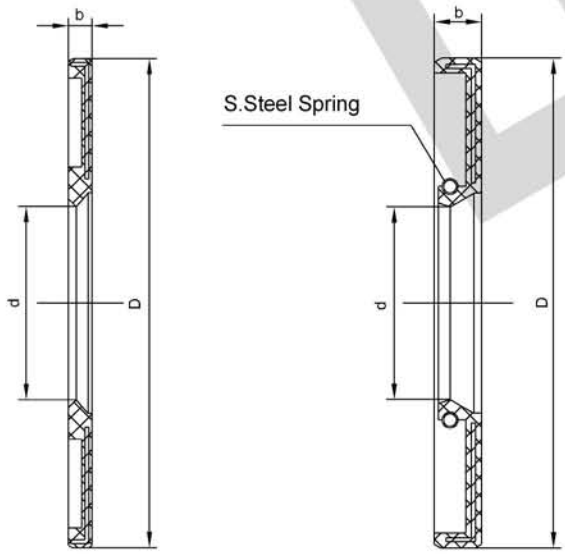
Shaft diameter		Dimensions(mm)						
mm	inch	K	N	L	M	D	B	b
12	1/2	32	7	23	50	52	6	3
15	9/16 5/8	32	7	23	50	52	6	3
17	11/16	32	7	23	50	52	6	3
20	3/4	32	7	23	50	52	6	3
25	13/16 14/16 15/16 1	37	7	25	55	62	6	3
30	1 1/16 1 1/8 1 3/16 1 1/4	42	7	30	64	72	6	3
35	1 1/4 1 5/16 1 3/8 1 7/16	47	7	32	74.5	82	6	3
40	1 1/2 1 9/16	52	7	57	84	88	6	3
45	1 5/8 1 11/16 1 3/4	57	7	41	89	93	6	3
50	1 13/16 1 7/8 1 15/16 2	62	7	47	94	98	6	3
55	2 2 1/8 2 3/16	67	7	49	102	108	6	3
60	2 1/4 2 3/8 2 7/16	72	7	48	116	116	6	3



• Flange Units

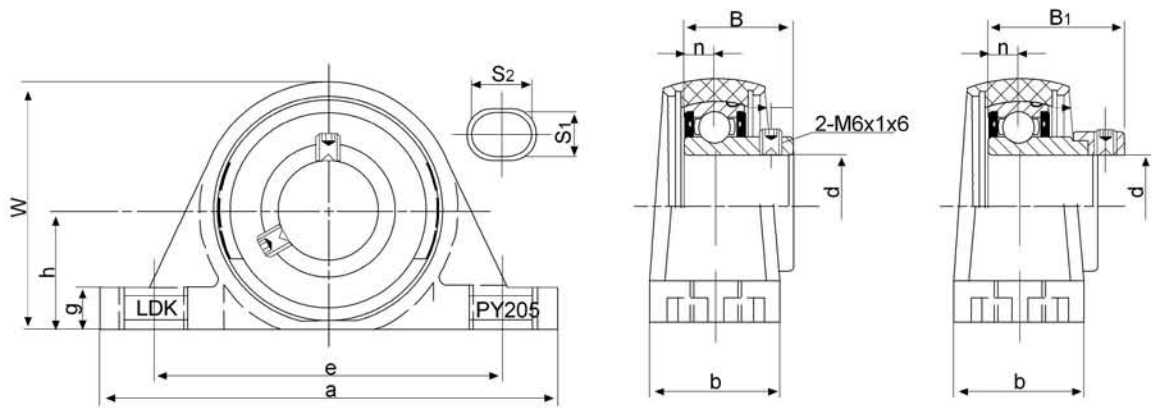


• Pillow Block Units



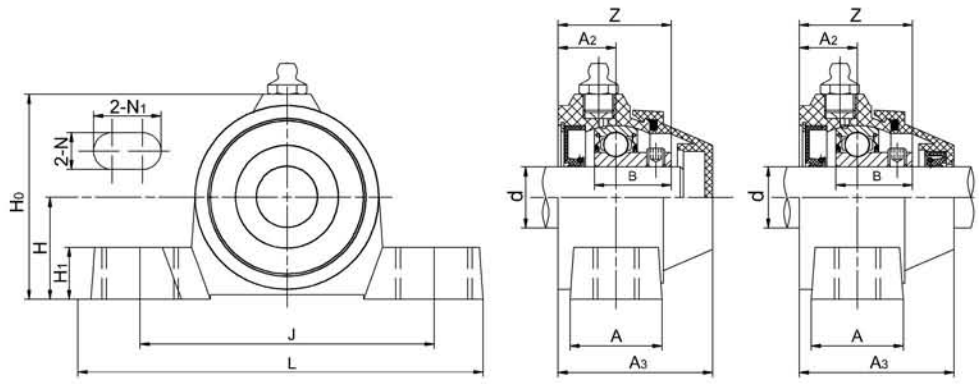
BACK SEALS

DIM / SIZE	FOR P T PA HOUSING			FOR F FL FB HOUSING		
	d	b	D	d	b	D
BS204	20	3	52	20	6	52
BS205	25	3	56	25	6	62
BS206	30	3	66	30	6	72
BS207	35	3	76	35	6	82
BS208	40	3	86	40	6	88
BS209	45	3	90	45	6	93
BS210	50	3	96	50	6	98
BS211	55	3	107	55	6	108
BS212	60	3	116	60	6	116



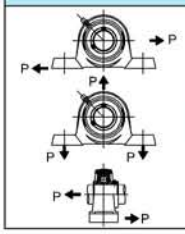
SBPY205-16 SAPY205-16 Series

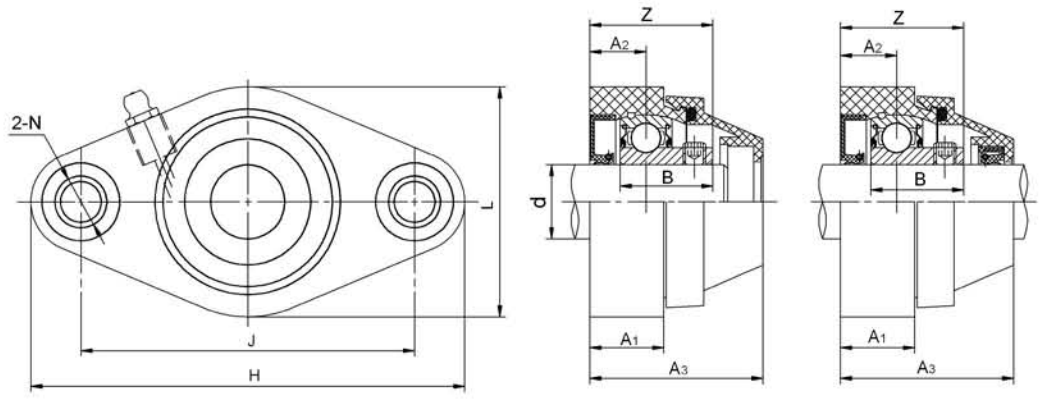
Unit No	Shaft d(mm)	Dimensions(mm)											Bolt Size	Housing No.	Bearing No.
		h	a	e	b	S_1	S_2	g	w	B_1	B	n			
SBPY205-16	1"	29	114	87	32	11	15	10	61	-	27	7.5	3/8	PY205	SB205-16
SSBPY205-16	1"	29	114	87	32	11	15	10	61	-	27	7.5	3/8	PY205	SSB205-16
SAPY205-16	1"	29	114	87	32	11	15	10	61	31.5	-	7.5	3/8	PY205	SA205-16
SSAPY205-16	1"	29	114	87	32	11	15	10	61	31.5	-	7.5	3/8	PY205	SSA205-16



WP-SSBP200 Series

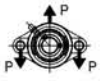
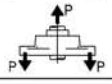
Unit No.	Shaft Dia d (in)	Shaft Dia d (mm)	L	J	H	H0	H1	N	N1	A	A1	B	Z	A3	Bolt size (mm)	Housing Weight (kg)
WP-SSBP204		20	128	96	33.3	67	17	12	22	30	18.9	25	37.2	49.7	M10	0.26
204-12	3/4															
WP-SSBP205		25	140	106	36.5	75	17	12	22	34.5	18.8	27	38.3	51.5	M10	0.33
205-14	7/8															
205-15	15/16															
205-16	1															
WP-SSBP206		30	163	121	42.9	88	22	14	24	36	19.7	30	40.7	55	M12	0.49
206-17	1-1/16															
206-18	1-1/8															
206-19	1-3/16															
206-20	1-1/4															
WP-SSBP207		35	167	126	47.6	98	20	14	24	38.6	21.3	32	44.6	61	M12	0.64
207-20	1-1/4															
207-21	1-5/16															
207-22	1-3/8															
207-23	1-7/16															
WP-SSBP208		40	185	136	50	102	20	14	24	38.6	25	34	50.3	66.5	M12	0.86
208-24	1-1/2															
208-25	1-9/16															

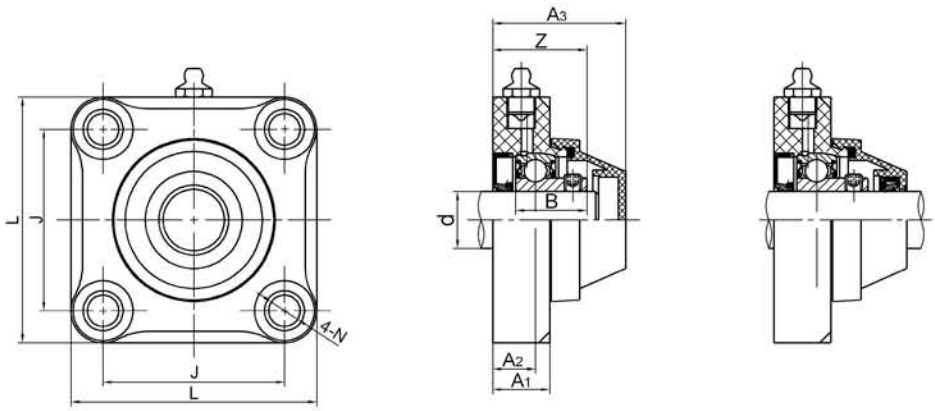
MODE OF LOAD	BREAKING POINT OF HOUSINGS(N)				
	204	205	206	207	208
	6473	6290	5775	5817	6913
	6671	6681	6761	6811	6911
	2569	2621	2650	2790	3291



WP-SSBFL200 Series

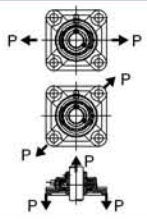
Unit No.	Shaft Dia d (in)	Shaft Dia d (mm)	H	J	A2	A1	N	L	B	Z	A3	Bolt Size (mm)	Housing Weight (kg)
WP-SSBFL204		20	117	90	15.2	20	11	62	25	33.5	46	M10	0.09
204-12	3/4												
WP-SSBFL205		25	131	99	16.8	22.5	11	71	27	36.3	49.5	M10	0.14
205-14	7/8												
205-15	15/16												
205-16	1												
WP-SSBFL206		30	149	118	20	26	11	85	30	42	55	M10	0.21
206-17	1-1/16												
206-18	1-1/8												
206-19	1-3/16												
206-20	1-1/4												
WP-SSBFL207		35	163	130	19.5	26	11	93	32	43	59	M10	0.21
207-20	1-1/4												
207-21	1-5/16												
207-22	1-3/8												
207-23	1-7/16												
WP-SSBFL208		40	177	144	23	30	11	102	34	48	65.5	M10	0.24
208-24	1-1/2												
208-25	1-9/16												

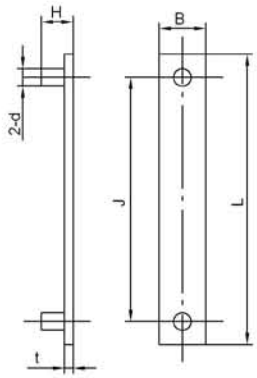
MODE OF LOAD	BREAKING POINT OF HOUSINGS(N)				
	204	205	206	207	208
	8756	8943	10132	10234	14000
	8733	15811	15823	16211	16233
	2384	3876	4001	4501	5079



WP-SSBF200 Series

Unit No.	Shaft Dia d (in)	Shaft Dia d (mm)	H	J	A2	A1	N	B	Z	A3	Bolt Size (mm)	Housing Weight (kg)
WP-SSBF204		20	86	63.5	15	22.5	11	25	36.3	49.5	M10	0.36
204-12	3/4											
WP-SSBF205		25	98	70	16.8	22.5	11	27	36.3	49.5	M10	0.38
205-14												
205-15												
205-16												
WP-SSBF206		30	110	83	20	26	11	30	41	55	M10	0.56
206-17	1-1/16											
206-18	1-1/8											
206-19	1-3/16											
206-20	1-1/4											
WP-SSBF207		35	120	92	19.5	26	11	32	45	59	M10	0.77
207-20												
207-21												
207-22												
207-23												
WP-SSBF208		40	131	102	22	30	11	34	47.5	65.5	M10	0.99
208-24	1-1/2											
208-25	1-9/16											

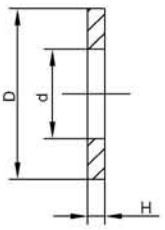
MODE OF LOAD	BREAKING POINT OF HOUSINGS(N)				
	204	205	206	207	208
	17091	20142	20932	21690	22707
	8820	10350	16020	16560	16740
	2533	3329	3922	4100	4230



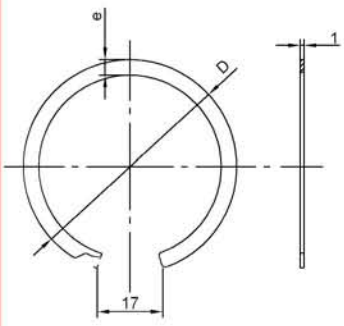
VIBRATION-ABSORB PLATES

DIM / SIZE	Dimensions(mm)					
	L	J	A	H	t	d
WP-P204	50	42	8	5.5	1.5	3
WP-P205	50	42	8	5.5	1.5	3
WP-P206	53	40	8	5.5	1.5	3
WP-P207	60	45	10	5.5	1.5	3
WP-P208	61	45	10	6	2	3

STAINLESS STEEL WASHER

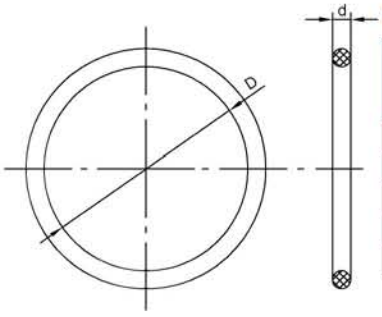


DIM / SIZE	Dimensions(mm)		
	d	D	H
WP-P204	10.5	20	2
WP-P205	10.5	20	2
WP-P206	10.5	20	2
WP-P207	10.5	20	2
WP-P208	10.5	20	2



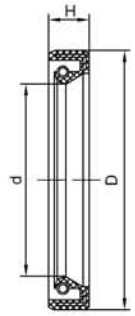
SAFETY RING

DIM / SIZE	Dimensions(mm)	
	D	e
WP-P204	50	3
WP-P205	55	3
WP-P206	65	3
WP-P207	75	3.5
WP-P208	83	3.5



O RINGS

DIM / SIZE	Dimensions(mm)	
	D	d
WP-P204	43.7	2.65
WP-P205	54.5	2.65
WP-P206	61.5	2.65
WP-P207	73	3.55
WP-P208	80	3.55



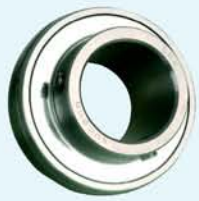
BACK SEAL

DIM / SIZE	Dimensions(mm)		
	D	d	H
WP-P204	20	47	7
WP-P205	25	52	7
WP-P206	30	62	7
WP-P207	35	72	7
WP-P208	40	80	7

LDK® STAINLESS STEEL MOUNTED BEARING UNITS

MATERIAL AND OPERATION TEMPERATURE

DESCRIPTION	MATERIALS
HOUSING:	SUS 304
BEARING INSERT	
SET SCREW	SUS 304
RETAINER	SUS 304
SLINGER & FRAME	SUS 304
INNER & OUTER RINGS	SUS 440
BALLS	SUS 440
GREASE NIPPLE	SUS 302
GREASE (please check with us for details)	INDUSTRY GREASE FOOD GRADE GREASE
OPERATING TEMPERATURE	-20℃ ~ 120℃



RECOMMENDED TIGHTENING TORQUE FOR SET SCREWS

SET SCREW	BEARING NO.	TIGHTENING TORQUE (N.M)
M6 X 1	SUC 204-206	3.9
M8 X 1	SUC 207-209	8.3
M10 X 1	SUC 210	16

TOLERANCES FOR BEARING INNER RINGS

Nominal Bore Dia.(mm)		Bore Diameter				Width		Radial run-out
		dm Deviations		d Deviations		B Deviations		
Over	incl.	Hight	Low	Hight	Low	Hight	Low	max
18	30	+21	0	+25	-40	0	-120	18
30	50	+25	0	+30	-5	0	-120	20

Unit:um

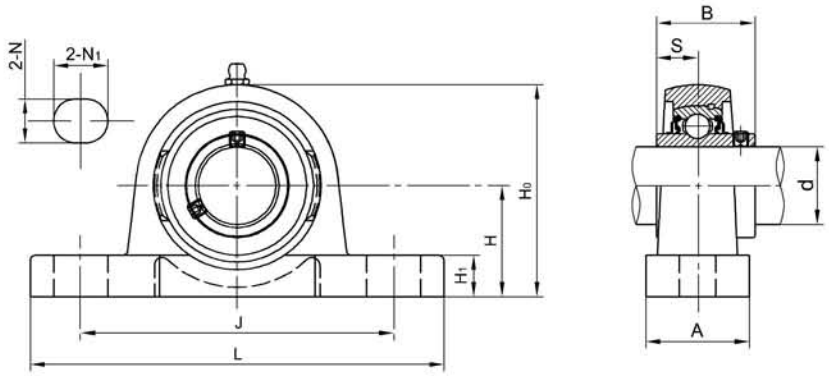
SHINY POLISHING SURFACE TREATMENT TO THE STAINLESS STEEL HOUSING IS AVAILABLE UPON REQUEST.

F AND FL TYPE HOUSINGS CAN BE MOUNTED WITH RUBBER BACK SEAL, CLOSE AND OPEN COVERS TO BLOCK OFF DUST.

TYPICAL APPLICATION

FOOD PROCESSING MACHINERY, MEDICAL EQUIPMENT, CHEMICAL AND AGRICUL TURAL MACHINERY AND MANY APPLICATIONS THAT REQUIRE CLEANLINESS, RUST PREVENTIVE AND ANTI-CORROSION.

BEARINGS

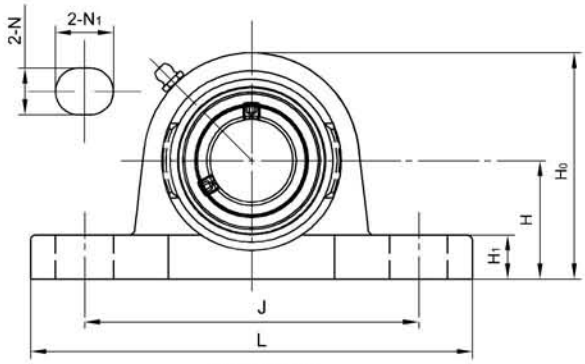


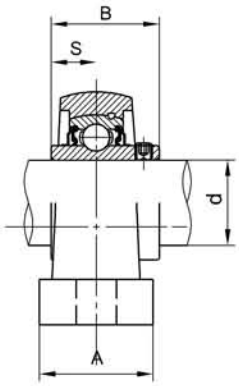
• SSUCP200YHB (Hollow Base)

SSUCP200YHB

Unit No.	Shaft Dia d		Dimensions(mm)										Bolt Size (mm)	Weight (kg)
	(in)	(mm)	H	L	J	A	N	N1	H1	H0	B	S		
SSUCP 204YHB		20	33.3	127	95	30	13	19	10	64	31	12.7	M10	0.64
204-12YHB	3/4													
SSUCP205YHB		25	36.5	140	105	30	13	19	10	70	34.1	14.3	M10	0.72
205-14YHB	7/8													
205-15YHB	15/16													
205-16YHB	1													
SSUCP206YHB		30	42.9	165	121	36	17	21	11	82	38.1	15.9	M12	1.11
206-17YHB	1-1/16													
206-18YHB	1-1/8													
206-19YHB	1-3/16													
206-20YHB	1-1/4													
SSUCP207YHB		35	47.6	167	127	38	17	21	12	92	42.9	17.5	M12	1.47
207-20YHB	1-1/4													
207-21YHB	1-5/16													
207-22YHB	1-3/8													
207-23YHB	1-7/16													
SSUCP208YHB		40	49.2	184	137	40	17	21	12	98	49.2	19.0	M12	1.79
208-24YHB	1-1/2													
208-25YHB	1-9/16													
SSUCP209YHB		45	54	190	146	40	17	22	13	105	49.2	19.0	M12	1.89
209-26YHB	1-5/8													
209-27YHB	1-11/16													
209-28YHB	1-3/4													
SSUCP210YHB		50	57.2	206	159	45	20	25	14	112	51.6	19.0	M16	2.43
210-30YHB	1-7/8													
210-31YHB	1-15/16													
210-32YHB	2													
SSUCP211YHB		55	63.5	218	171	50	20	25	14	126	55.6	22.2	M16	3.33
211-32YHB	2													
211-34YHB	2-1/8													
211-35YHB	2-3/16													
SSUCP212YHB		60	69.9	238	184	60	20	25	14	137	65.1	25.4	M16	5.84
212-36YHB	2-1/4													
212-38YHB	2-1/8													
212-39YHB	2-7/16													

NOTE: 1. Grease fittings avaiable at 90° and 45° positions. 2. Open / Close (OC/CC) covers are optional
3. Hand Polishing surface available upon request. Ordering example: SSUCP204-12YHB-HP





• Solid Base

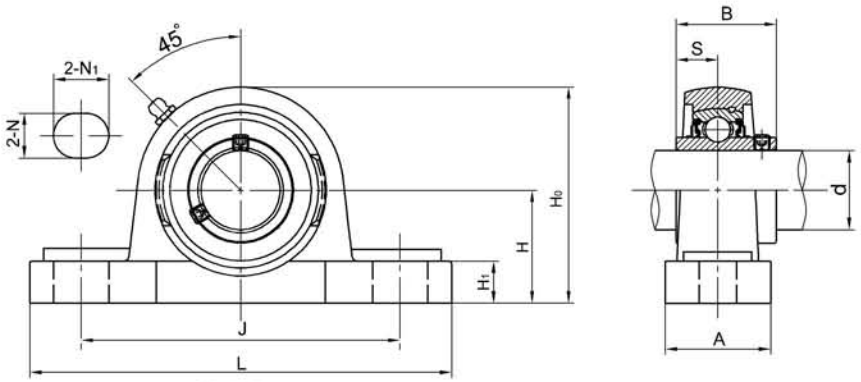
SSUCP 200A Series

Unit No.	Shaft Dia		Dimensions(mm)										Bolt Size (mm)	Weight (kg)
hollow base housing	d		H	L	J	A	N	N1	H1	H0	B	S		
	(in)	(mm)												
SSUCP204A		20	33.3	127	95	30	13	19	14	64	31	12.7	M10	0.71
204-12A	3/4													
SSUCP205A		25	36.5	140	105	30	13	19	15	70	34.1	14.3	M10	0.82
205-14A	7/8													
205-15A	15/16													
205-16A	1													
SSUCP206A		30	42.9	165	121	36	17	21	16	82	38.1	15.9	M12	1.31
206-17A	1-1/16													
206-18A	1-1/8													
206-19A	1-3/16													
206-20A	1-1/4													
SSUCP207A		35	47.6	167	127	38	17	21	17	92	42.9	17.5	M12	1.65
207-20A	1-1/4													
207-21A	1-5/16													
207-22A	1-3/8													
207-23A	1-7/16													
SSUCP208A		40	49.2	184	137	40	17	21	18	98	49.2	19	M12	2.00
208-24A	1-1/2													
208-25A	1-9/16													
SSUCP209A		45	54	190	146	40	17	21	20	105	49.2	19	M12	2.26
209-26A	1-5/8													
209-27A	1-11/16													
209-28A	1-3/4													
SSUCP210A		50	57.2	206	159	45	20	22	22	112	51.6	19	M16	2.80
210-30A	1-7/8													
210-31A	1-15/16													
210-32A	2													
SSUCP211A		55	63.5	218	171	50	20	22	22	126	55.6	22.2	M16	3.83
211-32A	2													
211-34A	2-1/8													
211-35A	2-3/16													
SSUCP212A		60	69.9	238	184	60	20	25	25	137	65.1	25.4	M16	5.33
212-36A	2-1/4													
212-38A	2-3/8													
212-39A	2-7/16													

Note: 1 Grease fittings avaiable at 90° and 45° positions.

2 Open / Close (OC / CC) covers are optional

3 Hand Polishing surface available upon request. Ordering example: SSUCP204-12A-HP

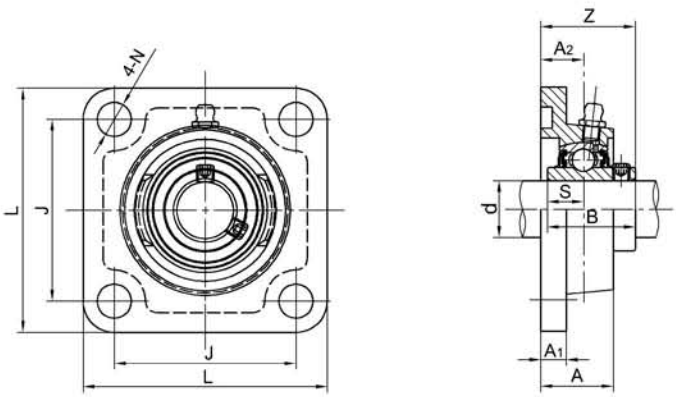


• Solid Base

SSUCP 200E Series

Unit No.	Shaft Dia d (in)	Shaft Dia d (mm)	H	L	J	A	N	N1	H1	H0	B	S	Bolt Size (mm)	Weight (kg)
SSUCP204E		20	33.3	127	95	38	13	19	15	64	31	12.7	M10	0.79
204-12E	3/4													
SSUCP205E		25	36.5	140	105	38	13	19	16.5	70	34.1	14.3	M10	0.95
205-14E	7/8													
205-15E	15/16													
205-16E	1													
SSUCP206E		30	42.9	165	121	48	17	21	18	82	38.1	15.9	M12	1.49
206-17E	1-1/16													
206-18E	1-1/8													
206-19E	1-3/16													
206-20E	1-1/4													
SSUCP207E		35	47.6	167	127	48	17	21	19	92	42.9	17.5	M12	1.93
207-20E	1-1/4													
207-21E	1-5/16													
207-22E	1-3/8													
207-23E	1-7/16													
SSUCP208E		40	49.2	184	137	54	17	22	19	99	49.2	19	M12	2.26
208-24E	1-1/2													
208-25E	1-9/16													
SSUCP209E		45	54	190	146	54	17	22	20	108	49.2	19	M12	2.76
209-26E	1-5/8													
209-27E	1-11/16													
209-28E	1-3/4													
SSUCP210E		50	57.2	206	159	60	20	25	22	112	51.6	19	M16	3.31
210-30E	1-7/8													
210-31E	1-15/16													
210-32E	2													
SSUCP211E		55	63.5	219	171	60	20	25	23	124	55.6	22.2	M16	3.98
211-32E	2													
211-34E	2-1/8													
211-35E	2-3/16													
SSUCP212E		60	69.9	238	184	70	20	25	25	137	65.1	25.4	M16	5.42
212-36E	2-1/4													
212-38E	2-3/8													
212-39E	2-7/16													

Note: 1 Grease fittings avaiable at 90° and 45° positions.
2 Open / Close (OC / CC) covers are optional

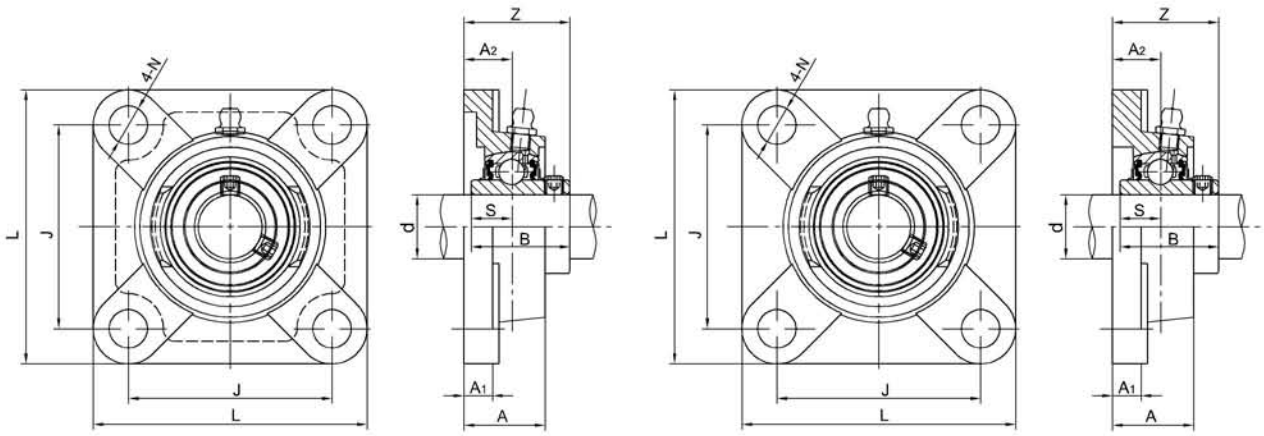


Hollow Base

SSUCF200YHB Series

Unit No.	Shaft Dia d		Dimensions(mm)									Bolt Size (mm)	Weight (kg)
	(in)	(mm)	L	J	A_2	A_1	A	N	Z	B	S		
SSUCF204YHB		20	86	64	15	10	25.5	12	33.3	31	12.7	M10	0.59
204-12YHB	3/4												
SSUCF205YHB		25	95	70	16	12	28	12	35.8	34.1	14.3	M10	0.77
205-14YHB	7/8												
205-15YHB	15/16												
205-16YHB	1												
SSUCF206YHB		30	108	83	18	13	31	12	40.2	38.1	15.9	M10	1.14
206-17YHB	1-1/16												
206-18YHB	1-1/8												
206-19YHB	1-3/16												
206-20YHB	1-1/4												
SSUCF207YHB		35	117	92	19	14	34	14	44.4	42.9	17.5	M12	1.48
207-20YHB	1-1/4												
207-21YHB	1-5/16												
207-22YHB	1-3/8												
207-23YHB	1-7/16												
SSUCF208YHB		40	130	102	21	15	36	16	51.2	49.2	19.0	M14	2.12
208-24YHB	1-1/2												
208-25YHB	1-9/16												
SSUCF209YHB		45	137	105	22	15	38	16	52.2	49.2	19.0	M14	2.31
209-26YHB	1-5/8												
209-27YHB	1-11/16												
209-28YHB	1-3/4												
SSUCF210YHB		50	143	111	22	16	40	16	54.6	51.6	19.0	M14	2.92
210-30YHB	1-7/8												
210-31YHB	1-15/16												
210-32YHB	2												
SSUCF211YHB		55	162	130	25	16	43	19	58.4	55.6	22.2	M16	3.45
211-32YHB	2												
211-34YHB	2-1/8												
211-35YHB	2-3/16												
SSUCF212YHB		60	175	143	29	16	48	19	68.7	65.1	25.4	M16	4.18
212-36YHB	2-1/4												
212-38YHB	2-3/8												
212-39YHB	2-7/16												

NOTE: (1) Open / Close (OC/CC) covers are optional
(2) Back seal is optional
(3) Hand Polishing surface available upon request. Ordering example: SSUCF204-12YHB-HP



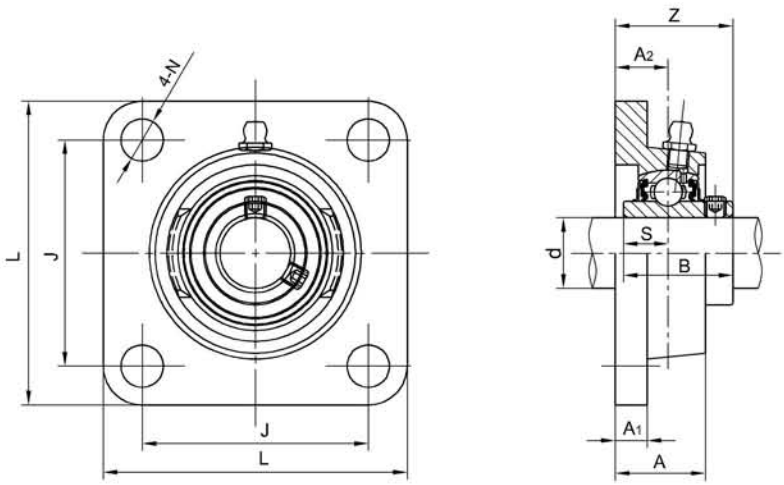
• SSUCF200EHB (Hollow Base)

• SSUCF200ESB (Solid Base)

SSUCF200EHB SSUCF200ESB Series

Unit No.		Shaft Dia		Dimensions(mm)									Bolt Size (mm)	Weight (kg)
Hollow Base Housing	Solid Base Housing	d		L	J	A_2	A_1	A	N	Z	B	S		
		(in)	(mm)											
SSUCF204EHB	SSUCF204ESB		20	86	64	15	12	25.5	12	33.3	31	12.7	M10	0.71
204-12EHB	204-12ESB	3/4												
SSUCF205EHB	SSUCF205ESB		25	95	70	16	14.3	27	12	35.8	34.1	14.3	M10	0.96
205-14EHB	205-14ESB	7/8												
205-15EHB	205-15ESB	15/16												
205-16EHB	205-16ESB	1												
SSUCF206EHB	SSUCF206ESB		30	108	83	18	14	31	12	40.2	38.1	15.9	M14	1.33
206-17EHB	206-17ESB	1-1/16												
206-18EHB	206-18ESB	1-1/8												
206-19EHB	206-19ESB	1-3/16												
206-20EHB	206-20ESB	1-1/4												
SSUCF207EHB	SSUCF207ESB		35	117	92	19	15.9	34	14	44.4	42.9	17.5	M14	1.79
207-20EHB	207-20ESB	1-1/4												
207-21EHB	207-21ESB	1-5/16												
207-22EHB	207-22ESB	1-3/8												
207-23EHB	207-23ESB	1-7/16												
SSUCF208EHB	SSUCF208ESB		40	130	102	21	15.9	36	16	51.2	49.2	19	M14	2.16
208-24EHB	208-24ESB	1-1/2												
208-25EHB	208-25ESB	1-9/16												
SSUCF209EHB	SSUCF209ESB		45	137	105	22	16.7	38	16	52.2	49.2	19	M14	2.65
209-26EHB	209-26ESB	1-5/8												
209-27EHB	209-27ESB	1-11/16												
209-28EHB	209-28ESB	1-3/4												
SSUCF210EHB	SSUCF210ESB		50	143	111	22	15.9	40	16	54.6	51.6	19	M16	2.92
210-30EHB	210-30ESB	1-7/8												
210-31EHB	210-31ESB	1-15/16												
210-32EHB	210-32ESB	2												
SSUCF211EHB	SSUCF211ESB		55	162	130	25	18	43	19	58.4	55.6	22.2	M16	4.13
211-32EHB	211-32ESB	2												
211-34EHB	211-34ESB	2-1/8												
211-35EHB	211-35ESB	2-3/16												
SSUCF212EHB	SSUCF212ESB		60	175	143	29	18	48	19	68.7	65.1	25.4	M16	5.15
212-36EHB	212-36ESB	2-1/4												
212-38EHB	212-38ESB	2-3/8												
212-39EHB	212-39ESB	2-7/16												

NOTE: (1) Open / Close (OC/CC) covers are optional

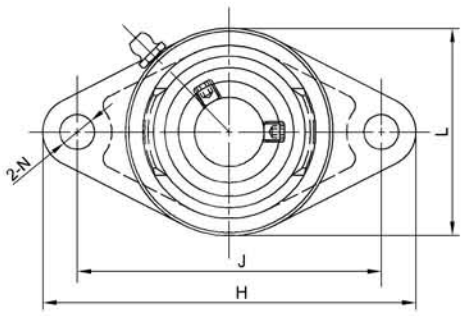


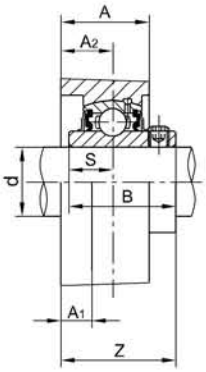
• Solid Base

SSUCF 200A Series

Unit No.	Shaft Dia d		Dimensions(mm)									Bolt Size (mm)	Weight (kg)
	(in)	(mm)	L	J	A_2	A_1	A	N	Z	B	S		
SSUCF204A		20	86	64	15	11	25.5	12	33.3	31	12.7	M10	0.71
204-12A	3/4												
SSUCF205A		25	95	70	16	13	28	12	35.8	34.1	14.3	M10	0.97
205-14A	7/8												
205-15A	15/16												
205-16A	1												
SSUCF206A		30	108	83	18	13	31	12	40.2	38.1	15.9	M10	1.41
206-17A	1-1/16												
206-18A	1-1/8												
206-19A	1-3/16												
206-20A	1-1/4												
SSUCF207A		35	117	92	19	15	34	14	44.4	42.9	17.5	M12	1.86
207-20A	1-1/4												
207-21A	1-5/16												
207-22A	1-3/8												
207-23A	1-7/16												
SSUCF208A		40	130	102	21	15	36	16	51.2	49.2	19	M14	2.30
208-24A	1-1/2												
208-25A	1-9/16												
SSUCF209A		45	137	105	22	16	38	16	52.2	49.2	19	M14	2.71
209-26A	1-5/8												
209-27A	1-11/16												
209-28A	1-3/4												
SSUCF210A		50	143	111	22	16	40	16	54.6	51.6	19	M14	2.93
210-30A	1-7/8												
210-31A	1-15/16												
210-32A	2												
SSUCF211A		55	162	130	25	18	43	19	58.4	55.6	22.2	M16	4.13
211-32A	2												
211-34A	2-1/8												
211-35A	2-3/16												
SSUCF212A		60	175	143	29	18	48	19	68.7	65.1	25.4	M16	5.51
212-36A	2-1/4												
212-38A	2-3/8												
212-39A	2-7/16												

NOTE: (1) Open / Close (OC/CC) covers are optional
(2) Back seal is optional
(3) Hand Polishing surface available upon request. Ordering example: SSUCF-204A-HP



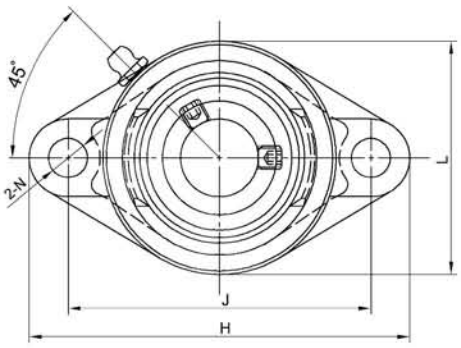


• Hollow Base

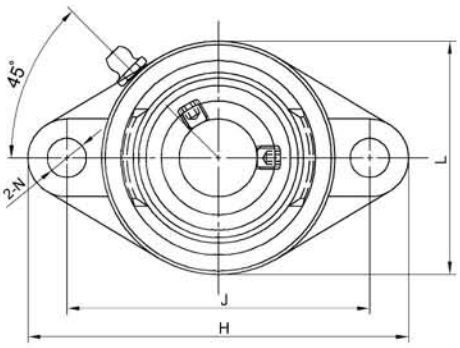
SSUCFL200YHB Series

Unit No.	Shaft Dia d		Dimensions(mm)										Bolt Size (mm)	Weight (kg)
	(in)	(mm)	H	J	A_2	A_1	A	N	L	Z	B	S		
SSUCFL204YHB		20	113	90	15	10	27	12	60	33.3	31	12.7	M10	0.45
204-12YHB	3/4													
SSUCFL205YHB		25	130	99	16	10	28	16	68	35.8	34.1	14.3	M14	0.59
205-14YHB	7/8													
205-15YHB	15/16													
205-16YHB	1													
SSUCFL206YHB		30	148	117	18	10	31	16	79	40.2	38.1	15.9	M14	0.91
206-17YHB	1-1/16													
206-18YHB	1-1/8													
206-19YHB	1-3/16													
206-20YHB	1-1/4													
SSUCFL207YHB		35	161	130	19	11	34	16	90	44.4	42.9	17.5	M14	1.21
207-20YHB	1-1/4													
207-21YHB	1-5/16													
207-22YHB	1-3/8													
207-23YHB	1-7/16													
SSUCFL208YHB		40	175	144	21	15	36	16	100	51.2	49.2	19	M14	1.67
208-24YHB	1-1/2													
208-25YHB	1-9/16													
SSUCFL209YHB		45	187	148	22	16	38	19	108	52.2	49.2	19	M16	2.21
209-26YHB	1-5/8													
209-27YHB	1-11/16													
209-28YHB	1-3/4													
SSUCFL210YHB		50	195	157	22	16	40	19	115	54.6	51.6	19	M16	2.32
210-30YHB	1-7/8													
210-31YHB	1-15/16													
210-32YHB	2													
SSUCFL211YHB		55	224	184	25	16	43	19	130	58.4	55.6	22.2	M16	3.18
211-32YHB	2													
211-34YHB	2-1/8													
211-35YHB	2-3/16													
SSUCFL212YHB		60	250	202	29	16	48	19	140	68.7	65.1	25.4	M16	4.19
212-36YHB	2-1/4													
212-38YHB	2-3/8													
212-39YHB	2-7/16													

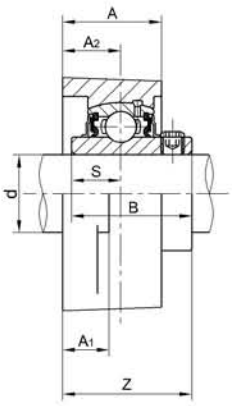
NOTE: (1) Open / Close (OC/CC) covers are optional
(2) Back seal is optional
(3) Hand Polishing surface available upon request. Ordering example: SSUCFL204-12YHB-HP



• SSUCFL200EHB (Hollow Base)



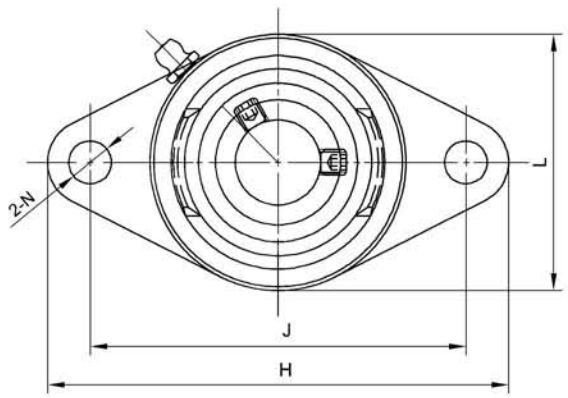
• SSUCFL200ESB (Solid Base)

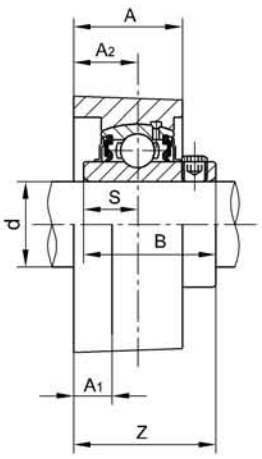


SSUCFL 200EHB SSUCFL 200ESB Series

Unit No.		Shaft Dia		Dimensions(mm)										Bolt Size (mm)	Weight (kg)
Hollow Base Housing	Solid Base Housing	d		H	J	A_2	A_1	A	N	L	Z	B	S		
		(in)	(mm)												
SSUCFL204EHB	SSUCFL204ESB		20	113	90	15	11.5	27	10.5	60	33.3	31	12.7	M8	0.50
204-12EHB	204-12ESB	3/4													
SSUCFL205EHB	SSUCFL205ESB		25	130	99	16	13	28	12.5	68	35.8	34.1	14.3	M10	0.69
205-14EHB	205-14ESB	7/8													
205-15EHB	205-15ESB	15/16													
205-16EHB	205-16ESB	1													
SSUCFL206EHB	SSUCFL206ESB		30	148	117	18	13	31	12.5	79	40.2	38.1	15.9	M10	0.99
206-17EHB	206-17ESB	1-1/16													
206-18EHB	206-18ESB	1-1/8													
206-19EHB	206-19ESB	1-3/16													
206-20EHB	206-20ESB	1-1/4													
SSUCFL207EHB	SSUCFL207ESB		35	161	130	19	14.3	34	14	90	44.4	42.9	17.5	M12	1.37
207-20EHB	207-20ESB	1-1/4													
207-21EHB	207-21ESB	1-5/16													
207-22EHB	207-22ESB	1-3/8													
207-23EHB	207-23ESB	1-7/16													
SSUCFL208EHB	SSUCFL208ESB		40	171	144	21	14.3	36	14	100	51.2	49.2	19	M12	1.65
208-24EHB	208-24ESB	1-1/2													
208-25EHB	208-25ESB	1-9/16													
SSUCFL209EHB	SSUCFL209ESB		45	179	148	22	15	38	16	108	52.2	49.2	19	M14	2.36
209-26EHB	209-26ESB	1-5/8													
209-27EHB	209-27ESB	1-11/16													
209-28EHB	209-28ESB	1-3/4													
SSUCFL210EHB	SSUCFL210ESB		50	195	157	22	15	40	16	115	54.6	51.6	19	M14	2.51
210-30EHB	210-30ESB	1-7/8													
210-31EHB	210-31ESB	1-15/16													
210-32EHB	210-32ESB	2													
SSUCFL211EHB	SSUCFL211ESB		55	224	184	25	18	43	19	130	58.4	55.6	22.2	M16	3.61
211-32EHB	211-32ESB	2													
211-34EHB	211-34ESB	2-1/8													
211-35EHB	211-35ESB	2-3/16													
SSUCFL212EHB	SSUCFL212ESB		60	250	202	29	18	48	23	140	68.7	65.1	25.4	M16	4.19
212-36EHB	212-36ESB	2-1/4													
212-38EHB	212-38ESB	2-3/8													
212-39EHB	212-39ESB	2-7/16													

NOTE: (1) Open / Close (OC/CC) covers are optional



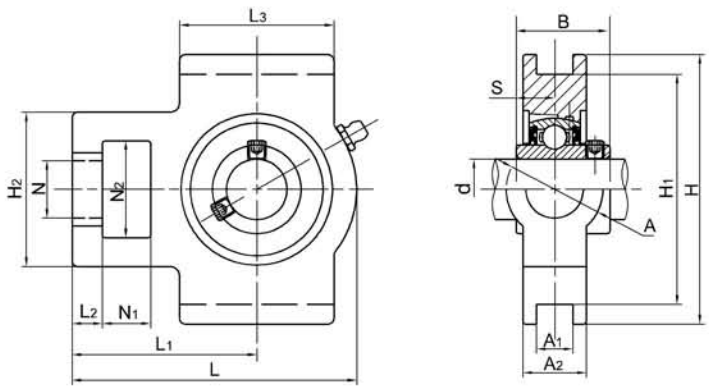


• Solid Based

SSUCFL 200A Series

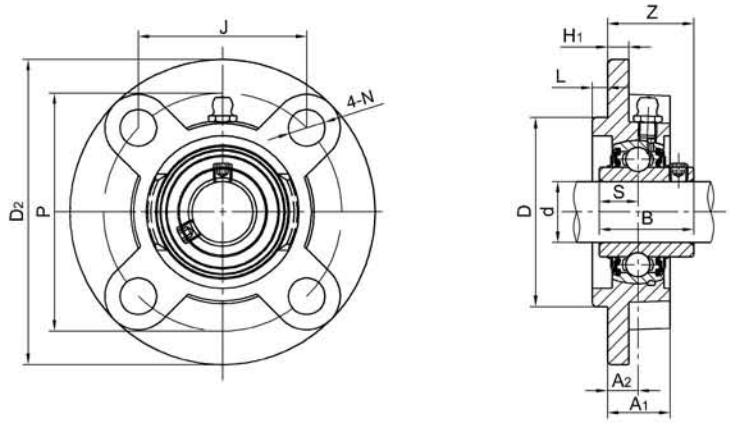
Unit No.	Shaft Dia d		Dimensions(mm)										Bolt Size (mm)	Weight (kg)
	(in)	(mm)	H	J	A_2	A_1	A	N	L	Z	B	S		
SSUCFL204A		20	113	90	15	11	27	12	60	33.3	31	12.7	M10	0.50
204-12A	3/4													
SSUCFL205A		25	130	99	16	13	28	12.5	68	35.8	34.1	14.3	M14	0.71
205-14A	7/8													
205-15A	15/16													
205-16A	1													
SSUCFL206A		30	148	117	18	13	31	12.5	79	40.2	38.1	15.9	M14	1.04
206-17A	1-1/16													
206-18A	1-1/8													
206-19A	1-3/16													
206-20A	1-1/4													
SSUCFL207A		35	161	130	19	14	34	14	90	44.4	42.9	17.5	M14	1.38
207-20A	1-1/4													
207-21A	1-5/16													
207-22A	1-3/8													
207-23A	1-7/16													
SSUCFL208A		40	175	144	21	15	36	14	100	51.2	49.2	19	M14	1.73
208-24A	1-1/2													
208-25A	1-9/16													
SSUCFL209A		45	187	148	22	16	38	16	108	52.2	49.2	19	M16	2.07
209-26A	1-5/8													
209-27A	1-11/16													
209-28A	1-3/4													
SSUCFL210A		50	195	157	22	16	40	16	115	54.6	51.6	19	M16	2.47
210-30A	1-7/8													
210-31A	1-15/16													
210-32A	2													

NOTE: (1) Open / Close (OC/CC) covers are optional
(2) Back seal is optional
(3) Hand Polishing surface available upon request. Ordering example: SSUCFL204A-HP



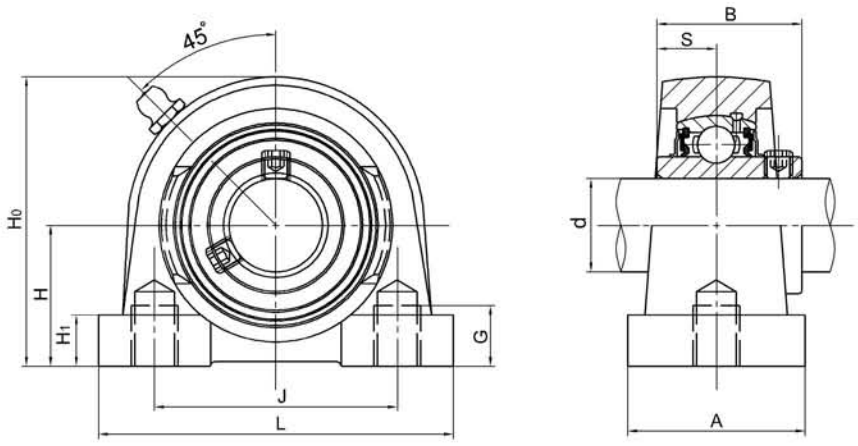
SSUCT 200 Series

Unit No.	Shaft Dia d		Dimensions(mm)															Weight (kg)
	(in)	(mm)	N_1	L_2	H_2	N_2	N	L_3	A_1	H_1	H	L	A	A_2	L_1	B	S	
SSUCT204		20	16	10	51	32	19	51	12	76	89	94	32	21	61	31	12.7	0.79
SSUCT204-12	3/4																	
SSUCT205		25																
SSUCT205-14	7/8																	
SSUCT205-15	15/16		16	10	51	32	19	51	12	76	89	97	32	24	62	34.1	14.3	0.84
SSUCT205-16	1																	
SSUCT206		30																
SSUCT206-17	1-1/16																	
SSUCT206-18	1-1/8		16	10	56	37	22	57	12	89	102	113	37	28	70	38.1	15.9	1.32
SSUCT206-19	1-3/16																	
SSUCT206-20	1-1/4																	
SSUCT207		35																
SSUCT207-20	1-1/4																	
SSUCT207-21	1-5/16		16	13	64	37	22	64	12	89	102	129	37	30	78	42.9	17.5	1.72
SSUCT207-22	1-3/8																	
SSUCT207-23	1-7/16																	
SSUCT208		40																
SSUCT208-24	1-1/2		19	16	83	49	29	83	16	102	114	144	49	33	88	49.2	19	2.52
SSUCT208-25	1-9/16																	
SSUCT209		45																
SSUCT209-26	1-5/8																	
SSUCT209-27	1-11/16		19	16	83	49	29	83	16	102	117	144	49	35	87	49.2	19	2.52
SSUCT209-28	1-3/4																	
SSUCT210		50																
SSUCT210-30	1-7/8																	
SSUCT210-31	1-15/16		19	16	83	49	29	86	16	102	117	149	49	37	90	51.6	19	2.69
SSUCT210-32	2																	
SSUCT211		55																
SSUCT211-32	2																	
SSUCT211-34	2-1/8		25	19	102	64	35	95	22	130	146	171	64	38	106	55.6	22.2	4.04
SSUCT211-35	2-3/16																	
SSUCT212		60																
SSUCT212-36	2-1/4																	
SSUCT212-38	2-3/8		32	19	102	64	35	102	22	130	146	194	64	42	119	65.1	25.4	5.00
SSUCT212-39	2-7/16																	



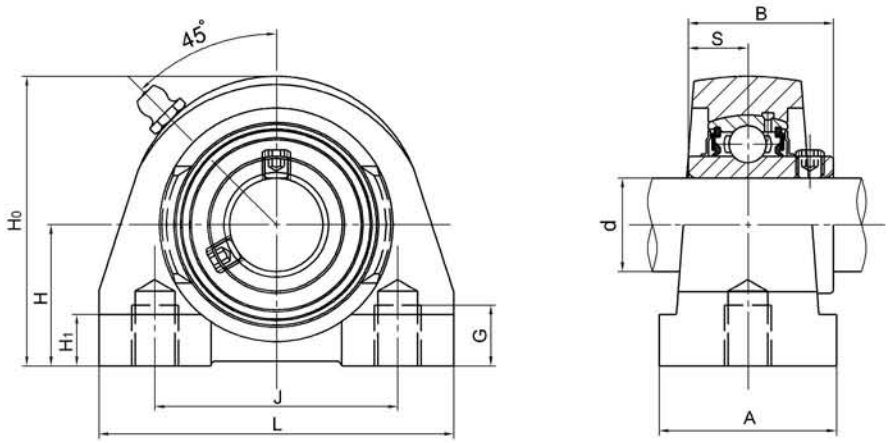
SSUCFC200 Series

Unit No.	Shaft Dia d		Dimensions(mm)												Bolt Size (mm)	Weight (kg)
	(in)	(mm)	D_2	P	J	A_2	N	L	H_1	A_1	D_1	B	S	Z		
SSUCFC204		20	100	78	55.1	10	12	5	7	20.5	62	31	12.7	28.3	M10	0.77
204-12	3/4															
SSUCFC205		25	115	90	63.6	10	12	6	7	21	70	34.1	14.3	29.7	M10	1.13
205-14	7/8															
205-15	15/16															
205-16	1															
SSUCFC206		30	125	100	70.7	10	12	8	8	23	80	38.1	15.9	32.2	M10	1.47
206-17	1-1/16															
206-18	1-1/8															
206-19	1-3/16															
206-20	1-1/4															
SSUCFC207		35	135	110	77.8	11	14	8	9	26	90	42.9	17.5	36.4	M12	1.86
207-20	1-1/4															
207-21	1-5/16															
207-22	1-3/8															
207-23	1-7/16															
SSUCFC208		40	145	120	84.8	11	14	10	9	26	100	49.2	19	41.2	M12	2.17
208-24	1-1/2															
208-25	1-9/16															
SSUCFC209		45	160	132	93.3	10	16	12	10	26	105	49.2	19	40.2	M14	2.50
209-26	1-5/8															
209-27	1-11/16															
209-28	1-3/4															
SSUCFC210		50	165	138	97.6	10	16	12	14	28	110	51.6	19	42.6	M14	2.95
210-30	1-7/8															
210-31	1-15/16															
210-32	2															
SSUCFC211		55	185	150	106.1	13	19	12	13	30	125	55.6	22.2	46.4	M16	4.00
211-32	2															
211-34	2-1/8															
211-35	2-3/16															
SSUCFC212		60	195	160	113.1	17	19	12	15	35	135	65.1	25.4	56.7	M16	4.90
212-36	2-1/4															
212-38	2-3/8															
212-39	2-7/16															



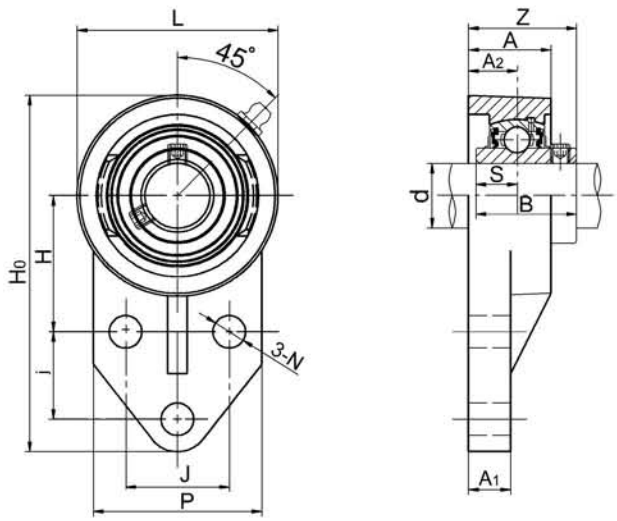
SSUCPA200 Series

Unit No.	Shaft Dia d (in)	Shaft Dia d (mm)	Dimensions(mm) H	L	J	A	G	H1	H0	B	S	Bolt Size (mm)	Weight (kg)
SSUCPA204		20	33.3	76	52	38	13	11	62	31.0	12.7	M10	0.62
204-12	3/4												
SSUCPA205		25	36.5	84	56	38	15	12	72	34.1	14.3	M10	0.78
205-14	7/8												
205-15	15/16												
205-16	1												
SSUCPA206		30	42.9	94	66	48	18	12	84	38.1	15.9	M14	1.24
206-17	1-1/16												
206-18	1-1/8												
206-19	1-3/16												
206-20	1-1/4												
SSUCPA207		35	47.6	110	80	48	20	13	95	42.9	17.5	M14	1.70
207-20	1-1/4												
207-21	1-5/16												
207-22	1-3/8												
207-23	1-7/16												
SSUCPA208		40	49.2	116	84	54	20	13	100	49.2	19.0	M14	1.90
208-24	1-1/2												
208-25	1-9/16												
SSUCPA209		45	54.2	120	90	54	25	13	108	49.2	19.0	M14	2.20
209-26	1-5/8												
209-27	1-11/16												
209-28	1-3/4												
SSUCPA210		50	57.2	130	94	60	25	14	116	51.6	19.0	M16	2.60
210-30	1-7/8												
210-31	1-15/16												
210-32	2												



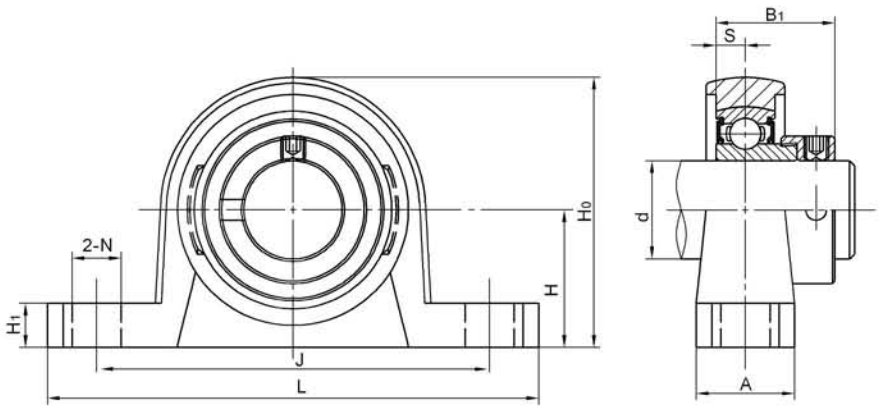
SSUCPA200A Series

Unit No.	Shaft Dia d (in)	Shaft Dia d (mm)	Dimensions(mm) H	L	J	A	G	H1	H0	B	S	Bolt Size (mm)	Weight (kg)
SSUCPA204A		20	33.3	73	50.8	38	13	12	65	31	12.7	3/8"-16	0.69
204A-12A	3/4												
SSUCPA205A		25	36.5	76	50.8	38	13	12	71	34.1	14.3	3/8"-16	0.77
205-14A	7/8												
205-15A	15/16												
205-16A	1												
SSUCPA206A		30	42.9	102	76.2	38	16	12	86	38.1	15.9	7/16"-14	1.33
206-17A	1-1/16												
206-18A	1-1/8												
206-19A	1-3/16												
206-20A	1-1/4												
SSUCPA207A		35	47.6	108	82.6	48	19	13	95	42.9	17.5	1/2"-13	1.72
207-20A	1-1/4												
207-21A	1-5/16												
207-22A	1-3/8												
207-23A	1-7/16												
SSUCPA208A		40	49.2	117	88.9	48	19	13	100	49.2	19.0	1/2"-13	2.09
208-24A	1-1/2												
208-25A	1-9/16												
SSUCPA209A		45	54.2	127	95.3	51	19	13	108	49.2	19.0	1/2"-13	2.50
209-26A	1-5/8												
209-27A	1-11/16												
209-28A	1-3/4												
SSUCPA210A		50	57.2	140	101.6	51	22	14	117	51.6	19.0	5/8"-11	3.10
210-30A	1-7/8												
210-31A	1-15/16												
210-32A	2												



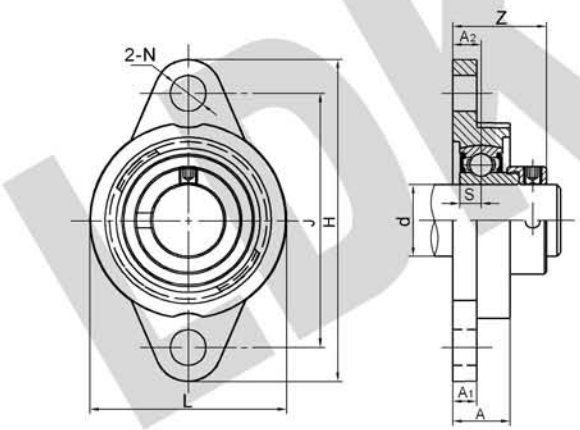
SSUCFB200A Series

Unit No.	Shaft Dia d		Dimensions(mm)													Bolt Size (mm)	Weight (kg)
	(in)	(mm)	H0	H	J	j	A2	A1	A	N	L	P	B	S	Z		
SSUCFB204A		20	108	42.9	38.1	22.2	15.9	9.5	25.4	10	63.5	60.3	31	12.7	34.2	M8	0.58
204-12A	3/4																
SSUCFB205A		25	120.7	46	41.6	28.6	16.7	11.1	29.4	10	69.1	63.5	34.1	14.3	36.4	M8	0.73
205-14A	7/8																
205-15A	15/16																
205-16A	1																
SSUCFB206A		30	136.5	52.4	47.6	31.8	18.7	11.1	33.3	10	82.6	70	38.1	15.9	40.8	M8	1.13
206-17A	1-1/16																
206-18A	1-1/8																
206-19A	1-3/16																
206-20A	1-1/4																
SSUCFB207A		35	155.6	60.3	50.8	31.8	21	14.3	37.3	13	94.5	82.6	42.9	17.5	46.4	M10	1.70
207-20A	1-1/4																
207-21A	1-5/16																
207-22A	1-3/8																
207-23A	1-7/16																



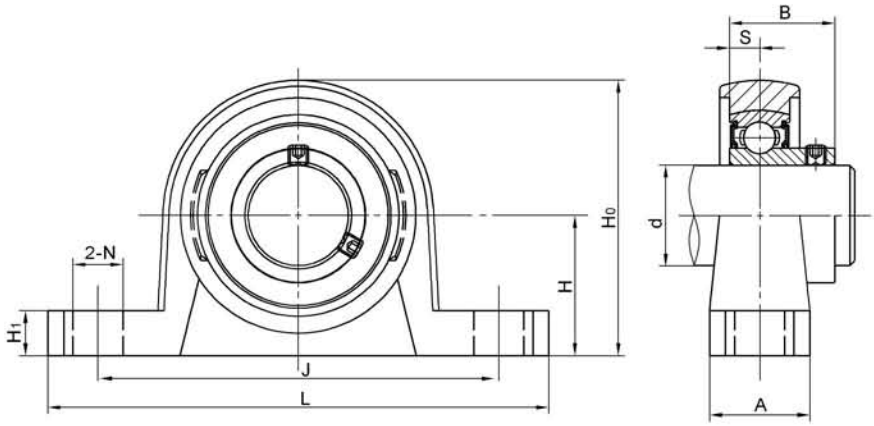
SSUP000 Series PILLOW BLOCKS
Extra Narrow Width · Eccentric Collar Locking

Unit No.	Shaft d(mm)	Dimensions(mm)									Bolt Size (mm)	Bearing No.	Housing No.	Weight (kg)
		H	L	J	A	H1	H0	N	S	B1				
SSUP000	10	18	67	53	16	6	35	7	4	17.7	M6	SU000	SP000	0.08
SSUP001	12	19	71	56	16	6	38	7	4	17.7	M6	SU001	SP001	0.10
SSUP002	15	22	80	63	16	7	43	7	4.5	18.7	M6	SU002	SP002	0.14
SSUP003	17	24	85	67	18	7	47	7	5	20.7	M6	SU003	SP003	0.17
SSUP004	20	28	100	80	20	9	55	10	6	24.2	M8	SU004	SP004	0.26
SSUP005	25	32	112	90	20	10	62	10	6	25	M8	SU005	SP005	0.33
SSUP006	30	36	132	106	26	11	70	13	6.5	26	M10	SU006	SP006	0.50



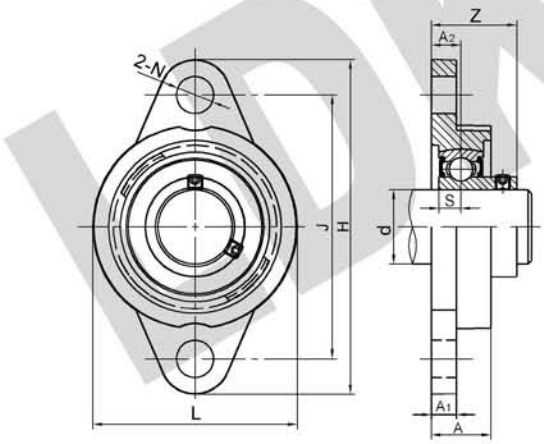
SSUFL000 Series Two-Bolt FLANGE UNITS
Extra Narrow Width · Eccentric Collar Locking

Unit No.	Shaft d(mm)	Dimensions(mm)									Bolt Size (mm)	Bearing No.	Housing No.	Weight (kg)
		H	J	A2	A1	A	N	L	S	Z				
SSUFL000	10	60	45	6	6	12	7	36	4	19.7	M6	SU000	SFL000	0.07
SSUFL001	12	63	48	6	6	12	7	38	4	19.7	M6	SU001	SFL001	0.08
SSUFL002	15	67	53	6.5	6.5	13	7	42	4.5	20.7	M6	SU002	SFL002	0.11
SSUFL003	17	71	56	7	7	14	7	46	5	22.7	M6	SU003	SFL003	0.14
SSUFL004	20	90	71	8	8	16	10	55	6	26.2	M8	SU004	SFL004	0.23
SSUFL005	25	95	75	8	8	16	10	60	6	27	M8	SU005	SFL005	0.27
SSUFL006	30	112	85	9	9	18	13	70	6.5	28.5	M10	SU006	SFL006	0.39



SSKP000 Series PILLOW BLOCKS
Extra Narrow Width · Set Screw Locking

Unit No.	Shaft d(mm)	Dimensions(mm)									Bolt Size (mm)	Bearing No.	Housing No.	Weight (kg)
		H	L	J	A	H_1	H_0	N	S	B				
SSKP000	10	18	67	53	16	6	35	7	4	14	M6	SK000	SP000	0.03
SSKP001	12	19	71	56	16	6	38	7	4	14.5	M6	SK001	SP001	0.04
SSKP002	15	22	80	63	16	7	43	7	4.5	16.5	M6	SK002	SP002	0.05
SSKP003	17	24	85	67	18	7	47	7	5	17.5	M6	SK003	SP003	0.07
SSKP004	20	28	100	80	20	9	55	10	6	21	M8	SK004	SP004	0.11
SSKP005	25	32	112	90	20	10	62	10	6	22.5	M8	SK005	SP005	0.15
SSKP006	30	36	132	106	26	11	70	13	6.5	24.5	M10	SK006	SP006	0.21

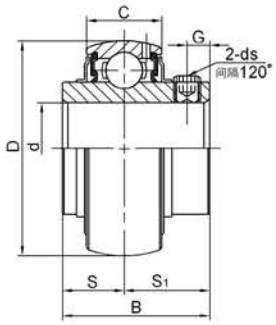


SSKFL000 Series Two-BOLT FALANGE UNITS
Extra Narrow Width · Set Screw Locking

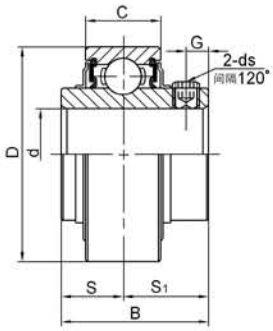
Unit No.	Shaft d(mm)	Dimensions(mm)									Bolt Size (mm)	Bearing No.	Housing No.	Weight (kg)
		H	J	A_2	A_1	A	N	L	S	Z				
SSKFL000	10	60	45	6	6	12	7	36	4	16	M6	SK000	SFL000	0.07
SSKFL001	12	63	48	6	6	12	7	38	4	16.5	M6	SK001	SFL001	0.08
SSKFL002	15	67	53	6.5	6.5	13	7	42	4.5	18.5	M6	SK002	SFL002	0.11
SSKFL003	17	71	56	7	7	14	7	46	5	19.5	M6	SK003	SFL003	0.14
SSKFL004	20	90	71	8	8	16	10	55	6	23	M8	SK004	SFL004	0.23
SSKFL005	25	95	75	8	8	16	10	60	6	24.5	M8	SK005	SFL005	0.27
SSKFL006	30	112	85	9	9	18	13	70	6.5	27	M10	SK006	SFL006	0.39

LDK®

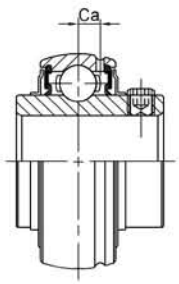
BEARINGS



UC200(Light Duty)
Spherical O.D.



CUC200
Cylindrical O.D.



UC200G

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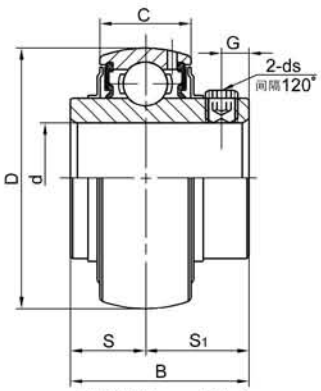
SL TYPE SEAL

TJ TYPE SEAL

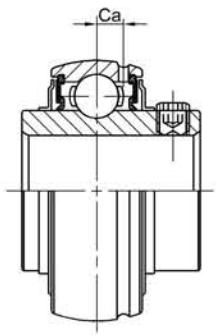
L3 TYPE SEAL

UC200 CUC200 UC200L3 Series

Bearing No.	Shaft Dia d (in)	Shaft Dia d (mm)	Dimensions(mm) D	B	C	S	S1	G	ds (mm)	ds (in.UNF)	Ca	Basic dynamic Load ratings (KN)	Basic static Load ratings (KN)	Weight (kg)
UCW201		12	40	27.4	14	11.5	15.9	4.2	M5x0.8		4.1	7.36	4.48	0.12
201-8	1/2									10-32				
UCW202		15	40	27.4	14	11.5	15.9	4.2	M5x0.8		4.1	7.36	4.48	0.11
202-9	9/16									10-32				
202-10	5/8													
UCW203		17	40	27.4	14	11.5	15.9	4.2	M5x0.8		4.1	7.36	4.48	0.10
203-11	11/16									10-32				
UC201		12	47	31	17	12.7	18.3	5	M6x1		4.3	9.88	6.20	0.21
201-8	1/2									1/4-28				
UC202		15	47	31	17	12.7	18.3	5	M6x1		4.3	9.88	6.20	0.19
202-9	9/16									1/4-28				
202-10	5/8													
UC203		17	47	31	17	12.7	18.3	5	M6x1		4.3	9.88	6.20	0.18
203-11	11/16									1/4-28				0.19
UC204		20	47	31	17	12.7	18.3	5	M6x1		4.3	9.88	6.20	0.17
204-12	3/4									1/4-28				0.18
UC205		25	52	34.1	17	14.3	19.8	5.4	M6x1		4	10.78	6.98	0.19
205-13	13/16									1/4-28				0.22
205-14	7/8													0.21
205-15	15/16													0.20
205-16	1													0.19
UC206		30	62	38.1	19	15.9	22.2	5.5	M6x1		5.3	14.97	10.04	0.31
206-17	1-1/16									1/4-28				0.34
206-18	1-1/8													0.33
206-19	1-3/16													0.32
206-20	1-1/4													0.30
UC207		35	72	42.9	20	17.5	25.4	6.9	M8x1		5.8	19.75	13.67	0.46
207-20	1-1/4									5/16-24				0.52
207-21	1-5/16													0.51
207-22	1-3/8													0.48
207-23	1-7/16													0.46
UC208		40	80	49.2	21	19.0	30.2	8	M8x1		6.2	22.71	15.94	0.63
208-24	1-1/2									5/16-24				0.68
208-25	1-9/16													0.64
UC209		45	85	49.2	22	19.0	30.2	8	M8x1		6.5	24.36	17.71	0.68
209-26	1-5/8									5/16-24				0.78
209-27	1-11/16													0.74
209-28	1-3/4													0.70
UC210		50	90	51.6	24	19.0	32.6	10	M10x1.25		7	26.98	19.84	0.78
210-30	1-7/8									3/8-24				0.85
210-31	1-15/16													0.80
210-32	2													0.78
UC211		55	100	55.6	25	22.2	33.4	10	M10x1.25		7.4	33.37	25.11	1.07
211-32	2									3/8-24				1.22
211-33	2-1/16													1.16
211-34	2-1/8													1.10
211-35	2-3/16													1.05
UC212		60	110	65.1	27	25.4	39.7	10	M10x1.25		7.6	36.74	27.97	1.51
212-36	2-1/4									3/8-24				1.65
212-37	2-5/16													1.59
212-38	2-3/8													1.52
212-39	2-7/16													1.42
UC213		65	120	65.1	28	25.4	39.7	10	M10x1.25		8.5	44.01	34.18	1.86
213-39	2-7/16									3/8-24				1.96
213-40	2-1/2													1.94
UC214		70	125	74.6	29	30.2	44.4	12	M12x1.25		8.9	46.79	37.59	2.18
214-43	2-11/16									7/16-20				2.28
214-44	2-3/4													2.06
UC215		75	130	77.8	30	33.3	44.5	12	M12x1.25		9.2	50.85	41.26	2.21
215-47	2-15/16									7/16-20				2.30
215-48	3													2.13
UC216		80	140	82.6	33	33.3	49.3	12	M12x1.25		9.5	55.04	45.09	2.79
UC217		85	150	85.7	35	34.1	51.6	12	M12x1.25		11.1	64.01	53.28	3.38
217-52	3-1/4									7/16-20				3.59
UC218		90	160	96	37	39.7	56.3	12	M12x1.25		11.8	73.83	60.76	4.46
218-56	3-1/2									7/16-20				4.56



UC300(Heavy Duty)



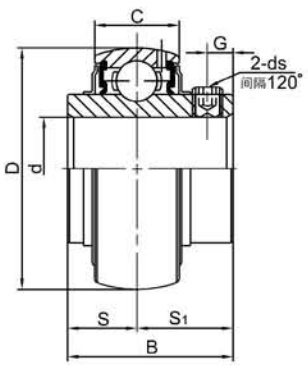
UC300G
Relubricatable type


SL TYPE SEAL

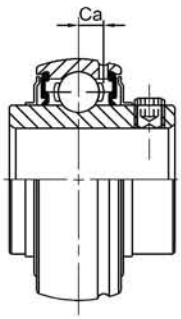

TJ TYPE SEAL

UC300 Series

Bearing No.	Shaft Dia d		Dimensions (mm)								Ca	Basic dynamic Load ratings (KN)	Basic static Load ratings (KN)	Weight (kg)
	(in)	(mm)	D	B	C	S	S1	G	ds (mm)	ds (in.UNF)				
UC305		25	62	38	21	15	23	6	M6X1	1/4-28	6.4	17.22	11.39	0.44
305-14	7/8													
305-15	15/16													
305-16	1													
UC306		30	72	43	23	17	26	6	M6X1	1/4-28	7.1	20.77	14.17	0.56
306-18	1-1/8													
306-19	1-3/16													
UC307		35	80	48	25	19	29	8	M8X1	5/16-24	8	25.66	17.92	0.71
307-20	1-1/4													
307-21	1-5/16													
307-22	1-3/8													
UC308		40	90	52	27	19	33	10	M10X1.25	3/8-24	9	31.35	22.38	1.00
308-24	1-1/2													
308-25	1-9/16													
UC309		45	100	57	30	22	35	10	M10X1.25	3/8-24	9.5	40.66	30	1.28
309-26	1-5/8													
309-27	1-11/16													
309-28	1-3/4													
UC310		50	110	61	32	22	39	12	M12X1.25	7/16-20	10.5	47.58	35.71	1.65
310-30	1-7/8													
310-31	1-15/16													
UC311		55	120	66	34	25	41	12	M12X1.25	7/16-20	11	55.05	41.91	2.07
311-32	2													
311-34	2-1/8													
311-35	2-3/16													
UC312		60	130	71	36	26	45	12	M12X1.25	7/16-20	11.5	62.88	48.6	2.59
312-36	2-1/4													
312-38	2-3/8													
312-39	2-7/16													
UC313		65	140	75	38	30	45	12	M12X1.25	7/16-20	12.5	72.21	56.68	3.15
313-40	2-1/2													
UC314		70	150	78	40	33	45	12	M12X1.25	7/16-20	13.2	80.1	63.48	3.83
314-44	2-3/4													
UC315		75	160	82	42	32	50	12	M14X1.5	1/2-20	14	87.25	71.67	4.59
315-48	3													
UC316		80	170	86	44	34	52	14	M14X1.5		14.9	94.57	80.35	5.40
UC317		85	180	96	46	40	56	16	M16X1.5	5/8-18	16	102.05	89.52	6.58
317-52	3-1/4													
UC318		90	190	96	48	40	56	16	M16X1.5	5/8-18	17.3	110.81	100.76	7.34
318-56	3-1/2													
UC319		95	200	103	50	41	62	16	M16X1.5	5/8-18	18.3	120.51	113.75	8.70
319-60	3-3/4													
UC320		100	215	108	54	42	66	18	M18X1.5	5/8-18	20	133.06	131.18	10.80
320-64	4													
UC321		105	225	112	56	44	68	18	M18X1.5		20.8	141.30	142.84	12.20
UC322		110	240	117	60	46	71	18	M18X1.5		20.9	157.66	167.64	14.30
UC324		120	260	126	64	51	75	18	M18X1.5		22.9	175.07	194.42	18.50
UC326		130	280	135	68	54	81	20	M20X1.5		24.9	194.93	226.71	23.00
UC328		140	300	145	72	59	86	20	M20X1.5		26.9	211.38	253.93	28.50



UCX00(Medium Duty)
Spherical O.D.



UCX00G
Relubricatable type

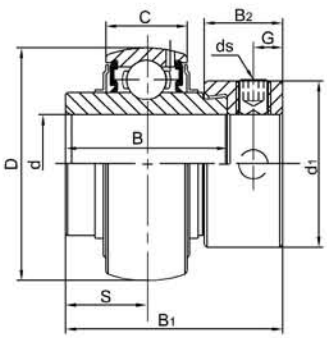

SL TYPE SEAL


TJ TYPE SEAL

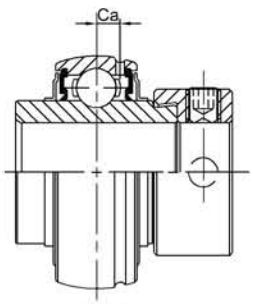

L3 TYPE SEAL

UCX00 UCX00L3 Series

Bearing No.	Shaft Dia d (in)	Shaft Dia d (mm)	D	B	C	S	S1	G	ds (mm)	ds (in.UNF)	Ca	Basic dynamic Load ratings (KN)	Basic static Load ratings (KN)	Weight (kg)
UCX 05		25							M6X1					
05-13	13/16													
05-14	7/8		62	38.1	19	15.9	22.2	5.5		1/4-28	5.3	14. 97	10.04	0.39
05-15	15/16													
05-16	1													
UCX 06		30							M8X1					
06-17	1-1/16													
06-18	1-1/8		72	42.9	20	17.5	25.4	6.9		5/16-24	5.8	19.75	13.67	0.68
06-19	1-3/16													
06-20	1-1/4													
UCX 07		35							M8X1					
07-21	1-5/16													
07-22	1-3/8		80	49.2	21	19	30.2	8		5/16-24	6.2	22.71	15.94	0.82
07-23	1-7/16													
UCX 08		40							M8X1					
08-24	1-1/2		85	49.2	22	19	30.2	8		5/16-24	6.5	24.36	17.71	0.93
08-25	1-9/16													
UCX 09		45							M10X1.25					
09-26	1-5/8													
09-27	1-11/16		90	51.6	24	19	32.6	10		3/8-24	7	26.98	19.84	1.00
09-28	1-3/4													
UCX10		50							M10X1.25					
10-30	1-7/8		100	55.6	25	22.2	33.4	10		3/8-24	7.4	33.37	25.11	1.35
10-31	1-15/16													
UCX11		55							M10X1.25					
11-33	2-1/16													
11-34	2-1/8		110	65.1	27	25.4	39.7	10		3/8-24	7.6	36.74	27.97	1.90
11-35	2-3/16													
11-36	2-1/2													
UCX12		60							M10X1.25					
12-38	2-3/8		120	65.1	28	25.4	39.7	10		3/8-24	8.5	44.01	34.18	2.27
12-39	2-7/16													
UCX13		65							M12X1.25					
13-40	2-1/2		125	74.6	29	30.2	44.4	12		7/16-20	8.9	46.79	37.59	2.45
13-41	2-9/16													
UCX14		70							M12X1.25					
14-42	2-3/8													
14-43	2-11/16		130	77.8	30	33.3	44.5	12		7/16-20	9.2	50.85	41.26	2.47
14-44	2-3/4													
UCX15		75							M12X1.25					
15-45	2-13/16													
15-46	2-7/8		140	82.6	33	33.3	49.3	12		7/16-20	9.5	55.04	45.09	3.11
15-47	2-15/16													
15-48	3													
UCX16		80							M12X1.25					
16-49	3-1/16													
16-50	3-1/8		150	85.7	35	34.1	51.6	12		7/16-20	11.1	64.01	53.28	3.79
16-51	3-3/16													
UCX17		85							M12X1.25					
17-53	3-5/16													
17-55	3-7/16		160	96	37	39.7	56.3	12		1/2-20	11.8	73.83	60.76	4.82



NA200(HC200 UEL200)



NA200G


SL TYPE SEAL

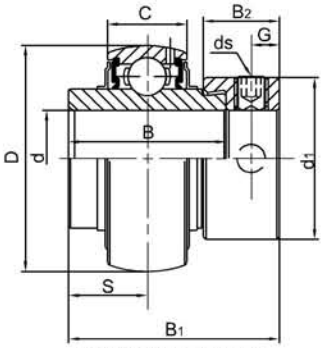

TJ TYPE SEAL


L3 TYPE SEAL

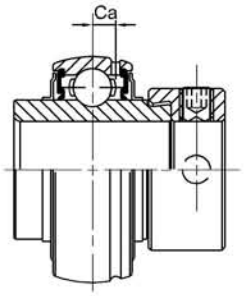
NA200 NA200L3 Series

Bearing No.	Shaft Dia d		Dimensions(mm)											Basic dynamic Load ratings (KN)	Basic static Load ratings (KN)	Weight (kg)
	(in)	(mm)	D	B	C	S	B1	B2	d1	G	ds (mm)	ds (in.UNF)	Ca			
NA204		20	47	34.2	17	17.1	43.7	13.5	33.3	5	M6X1	1/4-28	4.3	9.88	6.20	0.21
204-12	3/4															
NA205		25	52	34.9	17	17.5	44.4	13.5	38.1	5	M6X1	1/4-28	4	10.78	6.98	0.25
205-14	7/8															
205-15	15/16															
205-16	1															
NA206		30	62	36.5	19	18.3	48.4	15.9	44.5	6	M6X1	1/4-28	5.3	14.97	10.04	0.39
206-17	1-1/16															
206-18	1-1/8															
206-19	1-3/16															
206-20	1-1/4															
NA207		35	72	37.6	20	18.8	51.1	17.5	55.6	6.5	M8X1	5/16-24	5.8	19.75	13.67	0.60
207-20	1-1/4															
207-21	1-5/16															
207-22	1-3/8															
207-23	1-7/16															
NA208		40	80	42.8	21	21.4	56.3	18.3	60.3	6.5	M8X1	5/16-24	6.2	22.71	15.94	0.77
208-24	1-1/2															
208-25	1-9/16															
NA209		45	85	42.8	22	21.4	56.3	18.3	63.5	6.5	M8X1	5/16-24	6.5	24.36	17.71	0.84
209-26	1-5/8															
209-27	1-11/16															
209-28	1-3/4															
NA210		50	90	49.2	24	24.6	62.7	18.3	69.9	6.5	M8X1	5/16-24	7	26.98	19.84	1.02
210-30	1-7/8															
210-31	1-15/16															
210-32	2															
NA211		55	100	55.5	25	27.80	71.4	20.7	76.2	8	M10X1.25	3/8-24	7.4	33.37	25.11	1.37
211-32	2															
211-33	2-1/16															
211-34	2-1/8															
211-35	2-3/16															
NA212		60	110	61.9	27	31.00	77.8	22.3	84.2	8	M10X1.25	3/8-24	7.6	36.74	27.97	1.85
212-36	2-1/4															
212-37	2-5/16															
212-38	2-3/8															
212-39	2-7/16															
NA213		65	120	68.6	28	34.30	85.7	23.5	86	8.5	M10X1.25	3/8-24	8.5	44.01	34.18	2.10
213-39	2-7/16															
213-40	2-1/2															
NA214		70	125	68.6	29	34.30	85.7	23.5	90	8.5	M10X1.25	3/8-24	8.9	46.79	37.59	2.34
214-43	2-11/16															
214-44	2-3/4															
NA215		75	130	75	30	37.3	92.1	23.5	102	8.5	M10X1.25	3/8-24	9.2	50.85	41.26	2.50
215-47	2-15/16															
215-48	3															

BEARINGS



NA300(HC300 UEL300)



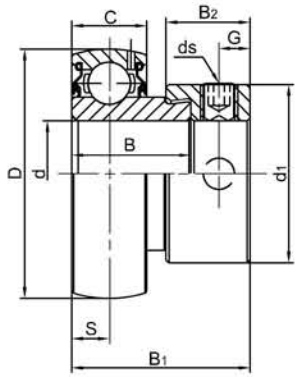
NA300G(Heavy Duty)
Relubricatable


SL TYPE SEAL

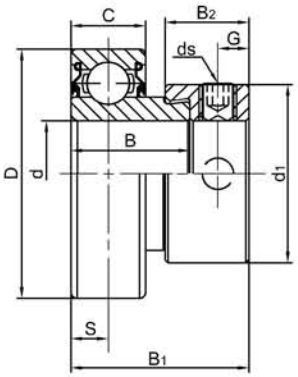

TJ TYPE SEAL

NA300 Series

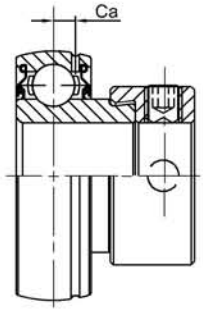
Bearing No.	Shaft Dia d (in)	Shaft Dia d (mm)	D	B	C	S	B1	B2	d1	G	ds (mm)	Ca	Basic load ratings (KN) Dynamic Cr	Basic load ratings (KN) Static Cor	Weight (kg)
NA305		25													
305-14	7/8		62	34.9	21	16.7	46.8	15.9	42.8	6	M8x1	6.4	17.22	11.39	0.44
305-15	15/16														
305-16	1														
NA306		30													
306-18	1-1/8		72	36.5	23	17.5	50	17.5	50	7	M8x1	7.1	20.77	14.17	0.68
306-19	1-3/16														
NA307		35													
307-20	1-1/4														
307-21	1-5/16		80	38.1	25	18.3	51.6	17.5	55	7	M8x1	8	25.66	17.92	0.80
307-22	1-3/8														
307-23	1-7/16														
NA308		40													
308-24	1-1/2		90	41.3	27	19.8	57.1	20.6	63.5	8	M10x1.25	9	31.35	22.38	1.08
308-25	1-9/16														
NA309		45													
309-26	1-5/8														
309-27	1-11/16		100	42.9	30	19.8	58.7	20.6	70	8	M10x1.25	9.5	40.66	30	1.45
309-28	1-3/4														
NA310		50													
310-30	1-7/8		110	49.2	32	24.6	66.6	22.2	76.2	9	M10x1.25	10.5	47.58	35.71	1.86
310-31	1-15/16														
NA311		55													
311-32	2														
311-33	2-1/16		120	55.6	34	27.8	73	22.2	83	9	M10x1.25	11	55.05	41.91	2.30
311-34	2-1/8														
311-35	2-3/16														
NA312		60													
312-36	2-1/4														
312-37	2-5/16		130	61.9	36	30.95	79.4	23.9	89	9	M10x1.25	11.5	62.88	48.6	2.89
312-38	2-3/8														
312-39	2-7/16														
NA313		65	140	65.1	38	32.55	85.2	27	97	11.5	M12x1.25	12.5	72.21	56.68	3.66
313-40	2-1/2														
NA314		70	150	68.3	40	34.15	92.1	30.2	102	12	M12x1.25	13.2	80.1	63.48	4.50
314-44	2-3/4														
NA315		75	160	74.6	42	37.3	100	31.8	113	13	M16x1.5	14	87.25	71.67	5.34
315-48	3														
NA316		80	170	81	44	40.5	106.4	31.8	119	13	M16x1.5	14.9	94.57	80.35	6.70
NA317		85	180	84.1	46	42.05	109.5	31.8	127	13	M16x1.5	16	102.05	89.52	7.96
317-52	3-1/4														
NA318		90	190	87.3	48	43.65	115.9	36.5	133	14.5	M20x1.5	17.3	110.81	100.76	9.10
318-56	3-1/2														
NA319		95	200	93.7	50	38.9	122.3	36.5	140	14.5	M20x1.5	18.3	120.51	113.75	10.40
319-60	3-3/4														
NA320		100	215	100	54	50	128.6	36.5	146	14.5	M20x1.5	20	133.06	131.18	13.00
320-64	4														



SA200(Light Duty)
Spherical O.D.



CSA200
Cylindrical O.D.



SA200G
Relubricatable type

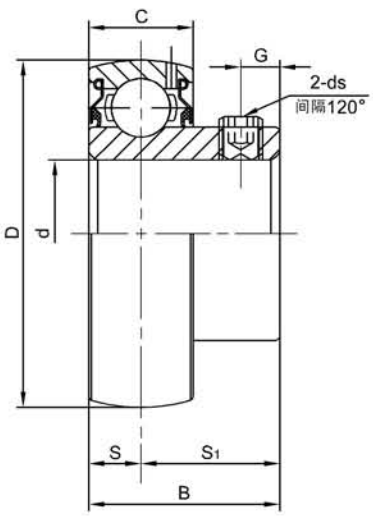
H TYPE SEAL

J TYPE SEAL

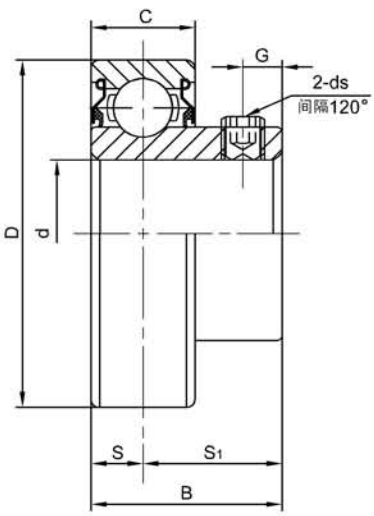
SA200 CSA200 Series

Bearing No.	Shaft Dia d		Dimensions(mm)											Basic load ratings (KN)		Weight (kg)
	(in)	(mm)	D	B	C	S	B1	B2	d1	G	ds (mm)	ds (in.UNF)	Ca	Dynamic Cr	Static Cor	
SA 201		12	40	19.1	12	6	28.6	13.5	28.6	5	M6x1	1/4-28	3.5	7.36	4.48	0.2
201-8	1/2															
SA 202		15	40	19.1	12	6	28.6	13.5	28.6	5	M6x1	1/4-28	3.5	7.36	4.48	0.2
202-9	9/16															
202-10	5/8															
SA 203		17	40	19.1	12	6	28.6	13.5	28.6	5	M6x1	1/4-28	3.5	7.36	4.48	0.2
203-11	11/16															
SA 204		20	47	21.5	14	7	31	13.5	33.3	5	M6x1	1/4-28	4	9.88	6.2	0.21
204-12	3/4															
SA 205		25	52	22	15	7.5	31.5	13.5	38.1	5	M6x1	1/4-28	4.3	10.78	6.98	0.25
205-13	13/16															
205-14	7/8															
205-15	15/16															
205-16	1															
SA 206		30	62	23.8	16	8	35.7	15.9	44.5	6	M6x1	1/4-28	4.9	14.97	10.04	0.39
206-17	1-1/16															
206-18	1-1/8															
206-19	1-3/16															
206-20	1-1/4															
SA 207		35	72	25.4	17	8.5	38.9	17.5	55.6	6.5	M8x1	5/16-24	5.5	19.75	13.67	0.6
207-20	1-1/4															
207-21	1-5/16															
207-22	1-3/8															
207-23	1-7/16															
SA 208		40	80	30.2	18	9	43.7	18.3	60.3	6.5	M8x1	5/16-24	6	22.71	15.94	0.77
208-24	1-1/2															
208-25	1-9/16															
SA 209		45	85	30.2	19	9.5	43.7	18.3	63.5	6.5	M8x1	5/16-24	6.1	24.36	17.71	0.84
209-26	1-5/8															
209-27	1-11/16															
209-28	1-3/4															
SA 210		50	90	30.2	20	10	43.7	18.3	69.9	6.5	M8x1	5/16-24	6.6	26.98	19.84	1.02
210-30	1-7/8															
210-31	1-15/16															
210-32	2															
SA 211		55	100	32.5	21	10.5	48.4	20.7	76.2	8	M10x1.25	3/8-24	7.2	33.37	25.11	1.37
211-32	2															
211-33	2-1/16															
211-34	2-1/8															
211-35	2-3/16															
SA 212		60	110	37.2	22	11	53.1	22.3	84.2	8	M10x1.25	3/8-24	7.5	36.74	27.97	1.85
212-36	2-1/4															
212-37	2-5/16															
212-38	2-3/8															
212-39	2-7/16															

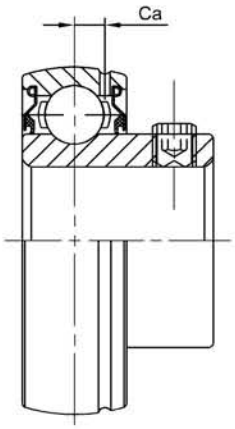
1) Suffix G = Lubrication groove and holes on outer rings.
2) Suffix N = Non-lubrication type, without lubrication groove & holes, without anti-rotation pin and holes.



SB200(Light Duty)
Spherical O.D.



CSB200
Cylindrical O.D.



SB200G
Relubricatable type

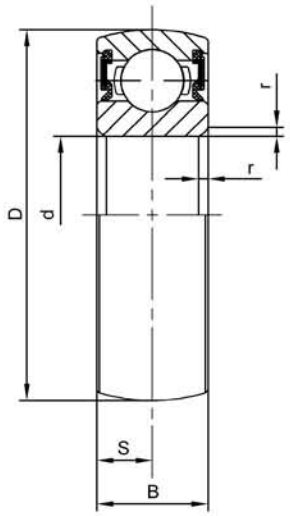
H TYPE SEAL

J TYPE SEAL

SB200 CSB200 Series

Bearing No.	Shaft Dia d (in)	Shaft Dia d (mm)	D	B	C	S	S1	G	ds (mm)	ds (in.UNF)	Ca	Basic load ratings (KN) Dynamic Cr	Basic load ratings (KN) Static Cor	Weight (kg)
SB 201 201-8	1/2	12	40	22	12	6.0	16.0	4.9	M5x0.8	10-32	3.5	7.36	4.48	0.09
SB 202 202-9 202-10	9/16 5/8	15	40	22	12	6.0	16.0	4.9	M5x0.8	10-32	3.5	7.36	4.48	0.08
SB 203 203-11	11/16	17	40	22	12	6.0	16.0	4.9	M5x0.8	10-32	3.5	7.36	4.48	0.07
SB 204 204-12	3/4	20	47	25	14	7.0	18.0	5.0	M6x1	1/4-28	4	9.88	6.20	0.12
SB 205 205-13 205-14 205-15 205-16	13/16 7/8 15/16 1	25	52	27	15	7.5	19.5	5.5	M6x1	1/4-28	4.3	10.78	6.98	0.18
SB 206 206-17 206-18 206-19 206-20	1-1/16 1-1/8 1-3/16 1-1/4	30	62	30	16	8.0	22.0	5.9	M6x1	1/4-28	4.9	14.97	10.04	0.26
SB 207 207-20 207-21 207-22 207-23	1-1/4 1-5/16 1-3/8 1-7/16	35	72	32	17	8.5	23.5	8.0	M8x1	5/16-24	5.5	19.75	13.67	0.43
SB 208 208-24 208-25	1-1/2 1-9/16	40	80	34	18	9	25.0	8.0	M8x1	5/16-24	6.0	22.71	15.94	0.60
SB 209 209-26 209-27 209-28	1-5/8 1-11/16 1-3/4	45	85	36	19	9.5	31	8.0	M8x1	5/16-24	6.1	24.36	17.71	0.80
SB 210 210-30 210-31 210-32	1-7/8 1-15/16 2	50	90	38	20	10	32.6	10.0	M10x1.25	3/8-24	6.6	26.98	19.84	0.83
SB 211 211-32 211-33 211-34 211-35	2 2-1/16 2-1/8 2-3/16	55	100	40	21	10.5	32.6	10.0	M10x1.25	3/8-24	7.2	33.37	25.11	1.12
SB 212 212-36 212-37 212-38 212-39	2-1/4 2-5/16 2-3/8 2-7/16	60	110	42	22	11	32.6	10.0	M10x1.25	3/8-24	7.5	36.74	27.97	1.55

1) Suffix G = Lubrication groove and holes on outer rings.
2) Suffix N = Non-lubrication type, without lubrication groove & holes, without anti-rotation pin and holes.



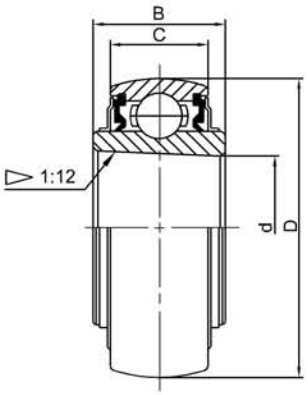
UD200


H TYPE SEAL

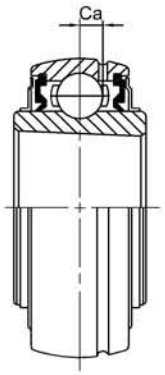

J TYPE SEAL

UD200 Series

Bearing No.	Dimensions(mm)					Basic load ratings (KN)		Weight (kg)
	d	D	B	S	r	Dynamic Cr	Static Cor	
UD203	17	40	12	6.0	1.0	7.36	4.48	0.07
UD204	20	47	14	7.0	1.5	9.88	6.2	0.12
UD205	25	52	15	7.5	1.5	10.78	6.98	0.18
UD206	30	62	16	8.0	1.5	14.97	10.04	0.26
UD207	35	72	17	8.5	2.0	19.75	13.67	0.43
UD208	40	80	18	9.0	2.0	22.71	15.94	0.60
UD209	45	85	19	9.5	2.0	24.36	17.71	0.8
UD210	50	90	20	10.0	2.0	26.98	19.84	0.83
UD211	55	100	21	10.5	2.0	33.37	25.11	1.12
UD212	60	110	22	11	2.0	36.74	27.97	1.55



UK200(Light Duty)



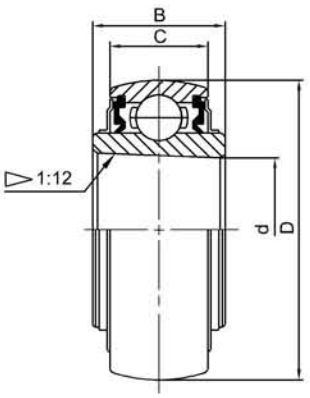
UK200G
Relubricatable type

SL TYPE SEAL

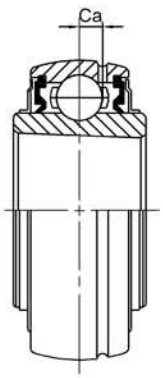
TJ TYPE SEAL

UK200 Series

Bearing No.	Dimensions(mm)						Basic Load Rating (KN)		Weight (kg)
	d1	d	D	B	C	Ca	Dynamic Cr	Static Cor	
UK205	20	25	52	23	17	4	10.78	6.98	0.21
UK206	25	30	62	26	19	5.3	14.97	10.04	0.31
UK207	30	35	72	28	20	5.8	19.75	13.67	0.46
UK208	35	40	80	29	21	6.2	22.71	15.94	0.63
UK209	40	45	85	30	22	6.5	24.36	17.71	0.68
UK210	45	50	90	32	24	7	26.98	19.84	0.78
UK211	50	55	100	36	25	7.4	33.37	25.11	1.07
UK212	55	60	110	38	27	7.6	36.74	27.97	1.51
UK213	60	65	120	40	28	8.5	44.01	34.18	1.86
UK215	65	75	130	43	30	9.2	50.85	41.26	2.21
UK216	70	80	140	45	33	9.5	55.04	45.09	2.79
UK217	75	85	150	46	35	11.1	64.01	53.28	3.38
UK218	80	90	160	47	37	11.8	73.83	60.76	4.46



UK300(Heavy Duty)



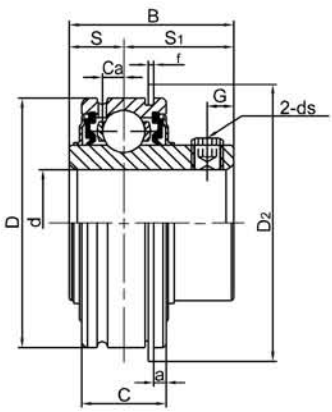
UK300G
Relubricatable type

SL TYPE SEAL

TJ TYPE SEAL

UK300 Series

Bearing No	Dimensions(mm)						Basic Load Rating (KN)		Weight (kg)
	d1	d	D	B	C	Ca	Dynamic Cr	Static Cor	
UK305	20	25	62	27	21	6.4	17.22	11.39	0.40
UK306	25	30	72	30	23	7.1	20.77	14.17	0.46
UK307	30	35	80	33	25	8	25.66	17.92	0.75
UK308	35	40	90	35	27	9	31.35	22.38	0.81
UK309	40	45	100	38	30	9.5	40.66	30	1.19
UK310	45	50	110	40	32	10.5	47.58	35.71	1.38
UK311	50	55	120	43	34	11	55.05	41.91	1.78
UK312	55	60	130	47	36	11.5	62.88	48.6	2.06
UK313	60	65	140	49	38	12.5	72.21	56.68	2.71
UK315	65	75	160	55	42	14	87.25	71.67	3.98
UK316	70	80	170	55	44	14.9	94.57	80.35	4.55
UK317	75	85	180	60	46	16	102.05	89.52	5.44
UK318	80	90	190	60	48	17.3	110.81	100.76	6.25
UK319	85	95	200	66	50	18.3	120.51	113.75	7.31
UK320	90	100	215	68	54	20	133.06	131.18	8.82

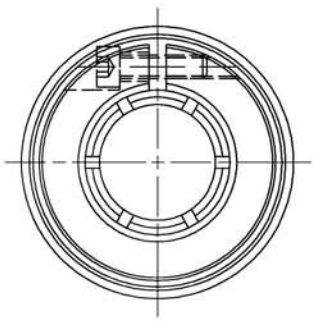


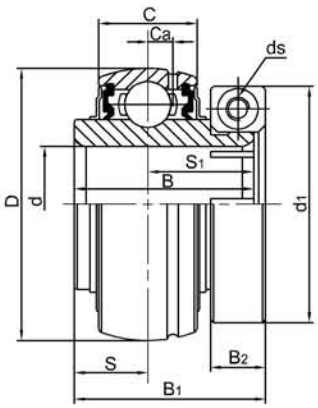

SL TYPE SEAL


TJ TYPE SEAL

SER200 Series

Bearing No.	Shaft Dia d		Dimensions (mm)									ds		Ca	Basic Load Rating KN		Weight (kg)
	(in)	(mm)	D	B	C	S	S1	a	r	D2 (Max.)	G	(mm)	(in.UNF)		Dynamic Cr	Static Cor	
SER 201 201-8	1/2	12	47	31	15.9	10.3	20.7	2.38	1.07	52.7	5	M6X1	1/4-28	4.05	9.88	6.20	0.27
SER 202 202-9 202-10	9/16 5/8	15	47	31	15.9	10.3	20.7	2.38	1.07	52.7	5	M6X1	1/4-28	4.05	9.88	6.20	0.25
SER 203 203-11	11/16	17	47	31	15.9	10.3	20.7	2.38	1.07	52.7	5	M6X1	1/4-28	4.05	9.88	6.20	0.23
SER 204 204-12	3/4	20	47	31	15.9	10.3	20.7	2.38	1.07	52.7	5	M6X1	1/4-28	4.05	9.88	6.20	0.22
SER 205 205-13 205-14 205-15 205-16	13/16 7/8 15/16 1	25	52	34.9	19	13.1	21.8	2.38	1.07	57.9	5.3	M6X1	1/4-28	5.5	10.78	6.98	0.28
SER 206 206-17 206-18 206-19 206-20	1-1/16 1-1/8 1-3/16 1-1/4	30	62	38.1	22.2	15.9	22.2	3.18	1.65	67.7	5.5	M6X1	1/4-28	5.5	14.97	10.04	0.38
SER 207 207-20 207-21 207-22 207-23	1-1/4 1-5/16 1-3/8 1-7/16	35	72	42.9	23.8	17.5	25.4	3.18	1.65	78.6	6.4	M8X1	5/16-24	6.3	19.75	13.67	0.56
SER 208 208-24 208-25	1-1/2 1-9/16	40	80	49.2	27.8	19	30.2	3.18	1.65	86.6	8	M8X1	5/16-24	7.5	22.71	15.94	0.87
SER 209 209-26 209-27 209-28	1-5/8 1-11/16 1-3/4	45	85	49.2	27.8	19	30.2	3.18	1.65	91.6	8	M8X1	5/16-24	7.5	24.36	17.71	0.95
SER 210 210-30 210-31 210-32	1-7/8 1-15/16 2	50	90	51.6	28.6	19	32.6	3.18	2.41	96.5	10	M10X1.25	3/8-24	6.8	26.98	19.84	1.03
SER 211 211-32 211-33 211-34 211-35	2 2-1/16 2-1/8 2-3/16	55	100	55.6	30.2	22.2	33.4	3.18	2.41	106.5	10	M10X1.25	3/8-24	7.6	33.37	25.11	1.21
SER 212 212-36 212-37 212-38 212-39	2-1/4 2-5/16 2-3/8 2-7/16	60	110	65.1	31.8	25.4	39.7	3.18	2.41	116.6	10	M10X1.25	3/8-24	8.4	36.74	27.97	1.68



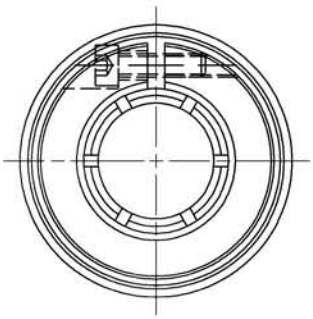


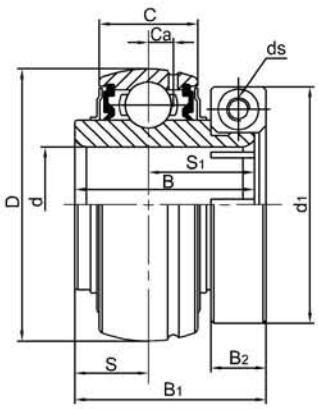

SL TYPE SEAL


TJ TYPE SEAL

UE200 Series

Bearing No.	Shaft Dia d		Dimensions (mm)										Load rating (KN)		Weight (kg)
	(in)	(mm)	D	B	C	S	S1	B1	B2	d1	ds	Ca	Dynamic Cr	Static Cor	
UE204		20	47	31	17	12.7	18.3	33.0	9.5	40.8	M4x0.7	4.3	9.88	6.20	0.18
204-12	3/4														
UE205		25	52	34.1	17	14.3	19.8	35.4	9.5	49.0	M4x0.7	4	10.78	6.98	0.21
205-13	13/16														
205-14	7/8														
205-15	15/16														
205-16	1														
UE206		30	62	38.1	19	15.9	22.2	39.8	9.5	55.5	M4x0.7	5.3	14.97	10.04	0.33
206-17	1-1/16														
206-18	1-1/8														
206-19	1-3/16														
206-20	1-1/4														
UE207		35	72	42.9	20	17.5	25.4	43.9	11.0	64.0	M5x0.8	5.8	19.75	13.67	0.51
207-20	1-1/4														
207-21	1-5/16														
207-22	1-3/8														
207-23	1-7/16														
UE208		40	80	49.2	21	19.0	30.2	50.2	11.0	68.0	M5x0.8	6.2	22.71	15.94	0.68
208-24	1-1/2														
208-25	1-9/16														
UE209		45	85	49.2	22	19.0	30.2	50.2	11.0	74.0	M5x0.8	6.5	24.36	17.71	0.78
209-26	1-5/8														
209-27	1-11/16														
209-28	1-3/4														
UE210		50	90	51.6	24	19.0	32.6	52.6	14.5	81.0	M6x1	7	26.98	19.84	0.85
210-30	1-7/8														
210-31	1-15/16														
210-32	2														
UE211		55	100	55.6	25	22.2	33.4	56.6	14.5	92.0	M6x1	7.4	33.37	25.11	1.16
211-32	2														
211-33	2-1/16														
211-34	2-1/8														
211-35	2-3/16														
UE212		60	110	65.1	27	25.4	39.7	66.6	17.5	103.0	M8x1.25	7.6	36.74	27.97	1.59
212-36	2-1/4														
212-37	2-5/16														
212-38	2-3/8														
212-39	2-7/16														



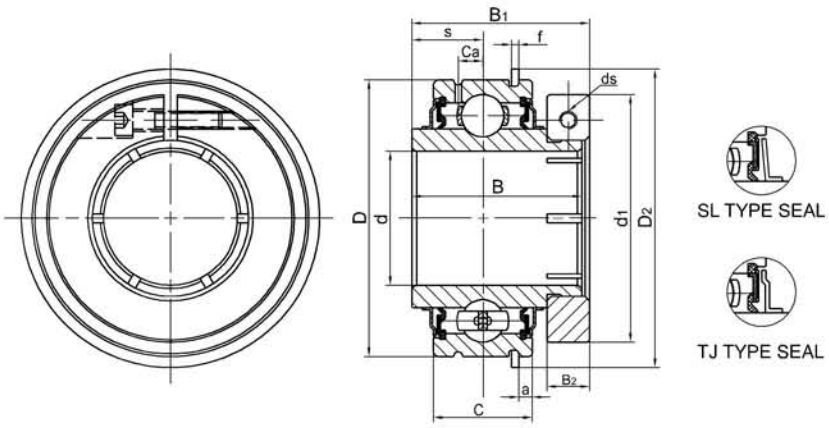



SL TYPE SEAL


TJ TYPE SEAL

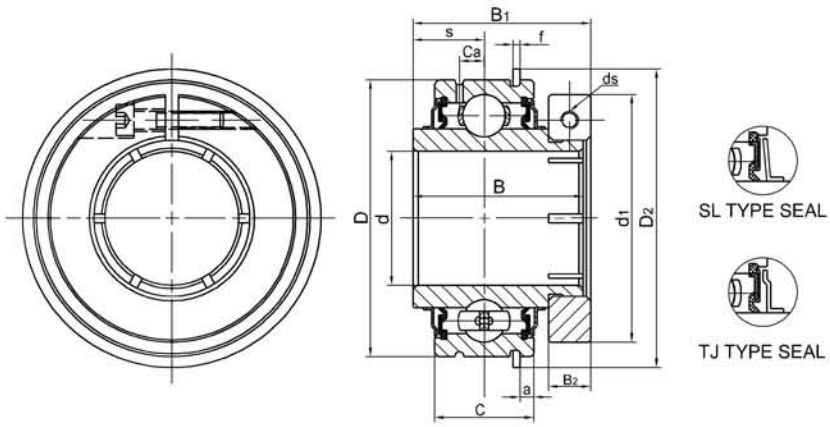
SUE200 Series

Bearing No.	Shaft Dia d		Dimensions (mm)										Load rating (KN)		Weight (kg)
	(in)	(mm)	D	B	C	S	S1	B1	B2	d1	ds	Ca	Dynamic Cr	Static Cor	
SUE204		20	47	31	17	12.7	18.3	33.0	9.5	40.8	M4x0.7	4.3	9.88	6.20	0.18
204-12	3/4														
SUE205		25	52	34.1	17	14.3	19.8	35.4	9.5	49.0	M4x0.7	4	10.78	6.98	0.21
205-13	13/16														
205-14	7/8														
205-15	15/16														
205-16	1														
SUE206		30	62	38.1	19	15.9	22.2	39.8	9.5	55.5	M4x0.7	5.3	14.97	10.04	0.33
206-17	1-1/16														
206-18	1-1/8														
206-19	1-3/16														
206-20	1-1/4														
SUE207		35	72	42.9	20	17.5	25.4	43.9	11.0	64.0	M5x0.8	5.8	19.75	13.67	0.51
207-20	1-1/4														
207-21	1-5/16														
207-22	1-3/8														
207-23	1-7/16														
SUE208		40	80	49.2	21	19.0	30.2	50.2	11.0	68.0	M5x0.8	6.2	22.71	15.94	0.68
208-24	1-1/2														
208-25	1-9/16														
SUE209		45	85	49.2	22	19.0	30.2	50.2	11.0	74.0	M5x0.8	6.5	24.36	17.71	0.78
209-26	1-5/8														
209-27	1-11/16														
209-28	1-3/4														
SUE210		50	90	51.6	24	19.0	32.6	52.6	14.5	81.0	M6x1	7	26.98	19.84	0.85
210-30	1-7/8														
210-31	1-15/16														
210-32	2														
SUE211		55	100	55.6	25	22.2	33.4	56.6	14.5	92.0	M6x1	7.4	33.37	25.11	1.16
211-32	2														
211-33	2-1/16														
211-34	2-1/8														
211-35	2-3/16														
SUE212		60	110	65.1	27	25.4	39.7	66.6	17.5	103.0	M8x1.25	7.6	36.74	27.97	1.59
212-36	2-1/4														
212-37	2-5/16														
212-38	2-3/8														
212-39	2-7/16														



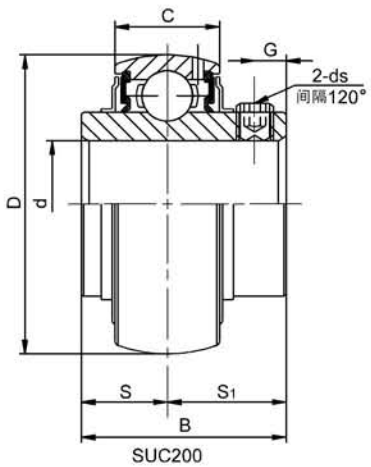
UER200 Series

Bearing No.	Shaft Dia d		Dimensions (mm)												Load rating (KN)		Weight kg
	(in)	(mm)	D	B	C	S	B1	B2	a	f	D2 (max)	d1	ds	Ca	Dynamic	Static	
UER204		20	47	31	15.9	10.3	33	9.5	2.38	1.07	52.7	40.8	M4	4.05	9.88	6.20	0.22
204-12	3/4																
UER205		25	52	34.9	19	13.1	35.4	9.5	2.38	1.07	57.9	49	M4	5.5	10.78	6.98	0.28
205-13	13/16																
205-14	7/8																
205-15	15/16																
205-16	1																
UER206		30	62	38.1	22.2	15.9	39.8	9.5	3.18	1.65	67.7	55.5	M4	5.5	14.97	10.04	0.38
206-17	1-1/16																
206-18	1-1/8																
206-19	1-3/16																
206-20	1-1/4																
UER207		35	72	42.9	23.8	17.5	43.9	11	3.18	1.65	78.6	64	M5	6.3	19.75	13.67	0.56
207-20	1-1/4																
207-21	1-5/16																
207-22	1-3/8																
207-23	1-7/16																
UER208		40	80	49.2	27.8	19	50.2	11	3.18	1.65	86.6	68	M5	7.5	22.71	15.94	0.87
208-24	1-1/2																
208-25	1-9/16																
UER209		45	85	49.2	27.8	19	50.2	11	3.18	1.65	91.6	74	M5	7.5	24.36	17.71	0.95
209-26	1-5/8																
209-27	1-11/16																
209-28	1-3/4																
UER210		50	90	51.6	28.6	19	52.6	14.5	3.18	2.41	96.5	81	M6	6.8	26.98	19.84	1.03
210-30	1-7/8																
210-31	1-15/16																
210-32	2																
UER211		55	100	55.6	30.2	22.2	55.6	14.5	3.18	2.41	106.5	92	M6	7.6	33.37	25.11	1.21
211-32	2																
211-33	2-1/16																
211-34	2-1/8																
211-35	2-3/16																
UER212		60	110	65.1	31.8	25.4	66.6	17.4	3.18	2.41	116.6	103	M8	8.4	36.74	27.97	1.68
212-36	2-1/4																
212-37	2-5/16																
212-38	2-3/8																
212-39	2-7/16																

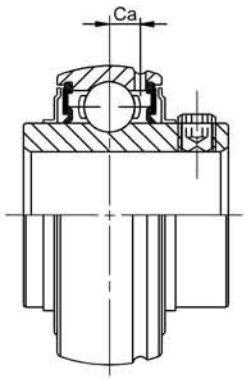


SUER200 Series

Bearing No.	Shaft Dia d		Dimensions (mm)												Load rating (KN)		Weight kg
	(in)	(mm)	D	B	C	S	B1	B2	a	f	D2 (max)	d1	ds	Ca	Dynamic	Static	
SUER204		20	47	31	15.9	10.3	33	9.5	2.38	1.07	52.7	40.8	M4	4.05	9.88	6.20	0.22
204-12	3/4																
SUER205		25	52	34.9	19	13.1	35.4	9.5	2.38	1.07	57.9	49	M4	5.5	10.78	6.98	0.28
205-13	13/16																
205-14	7/8																
205-15	15/16																
205-16	1																
SUER206		30	62	38.1	22.2	15.9	39.8	9.5	3.18	1.65	67.7	55.5	M4	5.5	14.97	10.04	0.38
206-17	1-1/16																
206-18	1-1/8																
206-19	1-3/16																
206-20	1-1/4																
SUER207		35	72	42.9	23.8	17.5	43.9	11	3.18	1.65	78.6	64	M5	6.3	19.75	13.67	0.56
207-20	1-1/4																
207-21	1-5/16																
207-22	1-3/8																
207-23	1-7/16																
SUER208		40	80	49.2	27.8	19	50.2	11	3.18	1.65	86.6	68	M5	7.5	22.71	15.94	0.87
208-24	1-1/2																
208-25	1-9/16																
SUER209		45	85	49.2	27.8	19	50.2	11	3.18	1.65	91.6	74	M5	7.5	24.36	17.71	0.95
209-26	1-5/8																
209-27	1-11/16																
209-28	1-3/4																
SUER210		50	90	51.6	28.6	19	52.6	14.5	3.18	2.41	96.5	81	M6	6.8	26.98	19.84	1.03
210-30	1-7/8																
210-31	1-15/16																
210-32	2																
SUER211		55	100	55.6	30.2	22.2	55.6	14.5	3.18	2.41	106.5	92	M6	7.6	33.37	25.11	1.21
211-32	2																
211-33	2-1/16																
211-34	2-1/8																
211-35	2-3/16																
SUER212		60	110	65.1	31.8	25.4	66.6	17.4	3.18	2.41	116.6	103	M8	8.4	36.74	27.97	1.68
212-36	2-1/4																
212-37	2-5/16																
212-38	2-3/8																
212-39	2-7/16																



SUC200



SUC200G

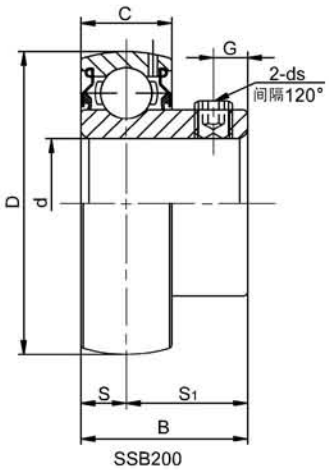

SL TYPE SEAL


TJ TYPE SEAL

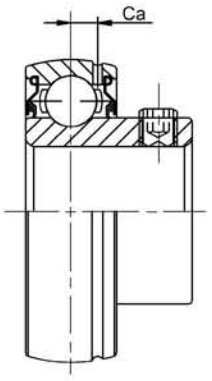

L3 TYPE SEAL

SUC200 SUC200L3Series

Bearing No.	Shaft Dia		Dimensions(mm)								Load rating (KN)		Weight (kg)
	d		D	B	C	S	S1	G	ds	Ca	Dynamic Cr	Static Cor	
	(in)	(mm)							(mm) (in.UNF)				
SUC201		12	47	31	17	12.7	18.3	5	M6x1	4.3	9.88	6.20	0.21
201-8	1/2								1/4-28				
SUC202		15	47	31	17	12.7	18.3	5	M6x1	4.3	9.88	6.20	0.19
202-9	9/16								1/4-28				
202-10	5/8												
SUC203		17	47	31	17	12.7	18.3	5	M6x1	4.3	9.88	6.20	0.18
203-11	11/16								1/4-28				
SUC204		20	47	31	17	12.7	18.3	5	M6x1	4.3	9.88	6.20	0.16
204-12	3/4								1/4-28				
SUC205		25	52	34.1	17	14.3	19.8	5.4	M6x1	4.2	10.78	6.98	0.18
205-13	13/16								1/4-28				
205-14	7/8												
205-15	15/16												
205-16	1												
SUC206		30	62	38.1	19	15.9	22.2	5.5	M6x1	5.3	14.97	10.04	0.33
206-17	1-1/16								1/4-28				
206-18	1-1/8												
206-19	1-3/16												
206-20	1-1/4												
SUC207		35	72	42.9	20	17.5	25.4	6.9	M8x1	5.8	19.75	13.67	0.49
207-20	1-1/4								5/16-24				
207-21	1-5/16												
207-22	1-3/8												
207-23	1-7/16												
SUC208		40	80	49.2	21	19	30.2	8	M8x1	6.2	22.71	15.94	0.65
208-24	1-1/2								5/16-24				
208-25	1-9/16												
SUC209		45	85	49.2	22	19	30.2	8	M8x1	6.5	24.36	17.71	0.71
209-26	1-5/8								5/16-24				
209-27	1-11/16												
209-28	1-3/4												
SUC210		50	90	51.6	24	19	32.6	10	M10x1.25	7	26.98	19.84	0.80
210-30	1-7/8								3/8-24				
210-31	1-15/16												
210-32	2												
SUC211		55	100	55.6	25	22.2	33.4	10	M10x1.25	7.4	33.37	25.11	1.08
211-32	2								3/8-24				
212-33	2-1/16												
211-34	2-1/8												
211-35	2-3/16												
SUC212		60	110	65.1	27	25.4	39.7	10	M10x1.25	7.6	36.74	27.97	1.51
212-36	2-1/4								3/8-24				
212-37	2-5/16												
212-38	2-3/8												
212-39	2-7/16												



SSB200



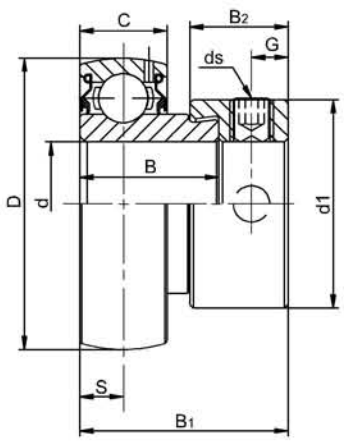
SSB200G


H TYPE SEAL


J TYPE SEAL

SSB200 Series

Bearing No.	Shaft Dia d		Dimensions(mm)								Load rating (KN)		Weight (kg)
	(in)	(mm)	D	B	C	S	S_1	G	ds (mm)	ds (in.UNF)	Ca	Dynamic Cr	Static Cor	
SSB204		20	47	25	14	7	18	5	M6x1		4	9.88	6.20	0.12
204-12	3/4									1/4-28				
SSB205		25	52	27	15	7.5	19.5	5.5	M6x1		4	10.78	6.98	0.18
205-13	13/16									1/4-28				
205-14	7/8													
205-15	15/16													
205-16	1													
SSB206		30	62	30	16	8	22	5.9	M6x1		4.9	14.97	10.04	0.26
206-17	1-1/16									1/4-28				
206-18	1-1/8													
206-19	1-3/16													
206-20	1-1/4													
SSB207		35	72	32	17	8.5	23.5	8	M8x1		5.4	19.75	13.67	0.43
207-20	1-1/4									5/16-24				
207-21	1-5/16													
207-22	1-3/8													
207-23	1-7/16													
SSB208		40	80	34	18	9	25	8	M8x1		5.8	22.71	15.94	0.60
208-24	1-1/2									5/16-24				
208-25	1-9/16													
SSB209		45	85	36	19	9.5	26.5	8	M8x1		6.1	24.36	17.71	0.8
209-26	1-5/8									5/16-24				
209-27	1-11/16													
209-28	1-3/4													
SSB210		50	90	38	20	10	28	10	M10x1.25		6.5	26.98	19.84	0.83
210-30	1-7/8									3/8-24				
210-31	1-15/16													
210-32	2													
SSB211		55	100	40	21	10.5	29.5	10	M10x1.25		7	33.37	25.11	1.12
211-32	2									3/8-24				
212-33	2-1/16													
211-34	2-1/8													
211-35	2-3/16													
SSB212		60	110	42	22	11	31	10	M10x1.25		7.3	36.74	27.97	1.55
212-36	2-1/4									3/8-24				
212-37	2-5/16													
212-38	2-3/8													
212-39	2-7/16													



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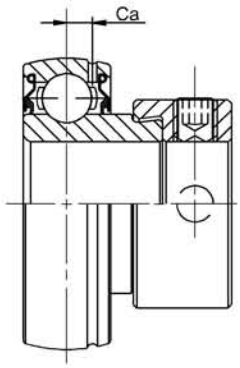


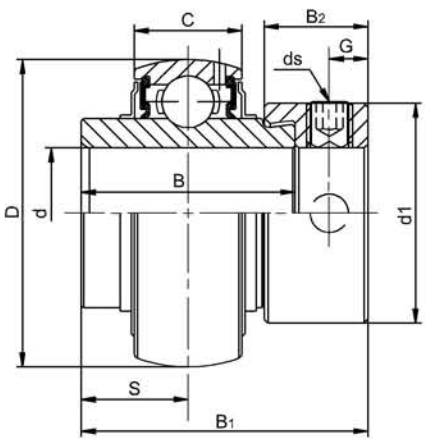
SSA200G


H TYPE SEAL


J TYPE SEAL

SSA200 Series

Bearing No.	Shaft Dia d		Dimensions(mm)								ds		Ca	Load rating (KN)		Weight (kg)
	(in)	(mm)	D	B	C	S	B1	B2	d1	G	(mm)	(in.UNF)		Dynamic Cr	Static Cor	
SSA204		20	47	21.5	14	7	31	13.5	33.3	5	M6x1		4	9.88	6.20	0.21
204-12	3/4											1/4-28				
SSA205		25	52	22	15	7.5	31.5	13.5	38.1	5	M6x1		4	10.78	6.98	0.25
205-13	13/16											1/4-28				
205-14	7/8															
205-15	15/16															
205-16	1															
SSA206		30	62	23.8	16	8	35.7	15.9	44.5	6	M6x1		4.9	14.97	10.04	0.39
206-17	1-1/16											1/4-28				
206-18	1-1/8															
206-19	1-3/16															
206-20	1-1/4															
SSA207		35	72	25.4	17	8.5	38.9	17.5	55.6	6.5	M8x1		5.4	19.75	13.67	0.6
207-20	1-1/4											5/16-24				
207-21	1-5/16															
207-22	1-3/8															
207-23	1-7/16															
SSA208		40	80	30.2	18	9	43.7	18.3	60.3	6.5	M8x1		5.8	22.71	15.94	0.77
208-24	1-1/2											5/16-24				
208-25	1-9/16															
SSA209		45	85	30.2	19	9.5	43.7	18.3	63.5	6.5	M8x1		6.1	24.36	17.71	0.84
209-26	1-5/8											5/16-24				
209-27	1-11/16															
209-28	1-3/4															
SSA210		50	90	30.2	20	10	43.7	18.3	69.9	6.5	M8x1		6.5	26.98	19.84	1.02
210-30	1-7/8											5/16-24				
210-31	1-15/16															
210-32	2															
SSA211		55	100	32.5	21	10.5	48.4	20.7	76.2	8	M10x1.25		7	33.37	25.11	1.37
211-32	2											3/8-24				
211-33	2-1/16															
211-34	2-1/8															
211-35	2-3/16															
SSA212		60	110	37.2	22	11	53.1	22.3	84.2	8	M10x1.25		7.3	36.74	27.97	1.85
212-36	2-1/4											3/8-24				
212-37	2-5/16															
212-38	2-3/8															
212-39	2-7/16															



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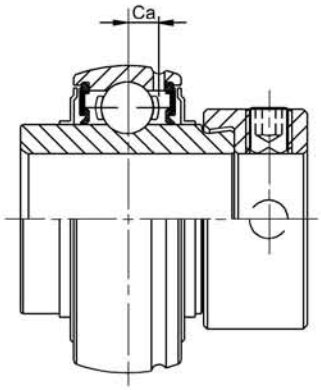


SNA200G

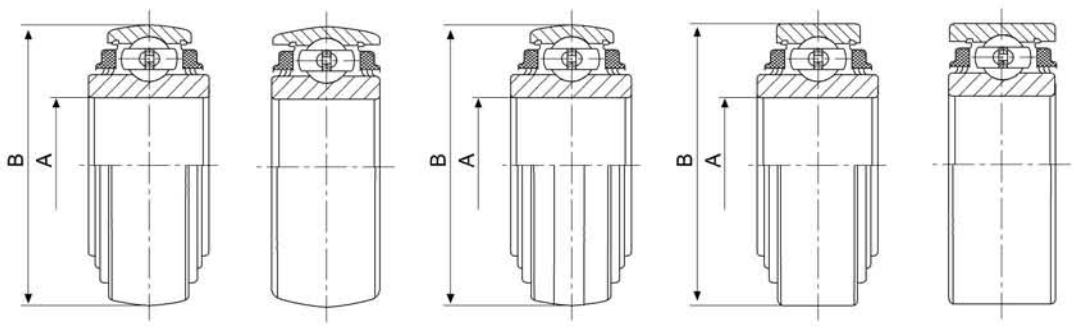

SL TYPE SEAL


TJ TYPE SEAL


L3 TYPE SEAL

SNA200 SNA200L3 Series

Bearing No.	Shaft Dia d		Dimensions(mm)								ds		Ca	Load rating (KN)		Weight (kg)
	(in)	(mm)	D	B	C	S	B1	B2	d1	G	(mm)	(in.UNF)		Dynamic Cr	Static Cor	
SNA204		20	47	34.2	17	17.1	43.7	13.5	33.3	5	M6x1					
204-12	3/4											1/4-28	4.3	9.88	6.20	0.21
SNA205		25	52	34.9	17	17.5	44.4	13.5	38.1	5	M6x1					
205-13	13/16											1/4-28	4.2	10.78	6.98	0.25
205-14	7/8															
205-15	15/16															
205-16	1															
SNA206		30	62	36.5	19	18.3	48.4	15.9	44.5	6	M6x1					
206-17	1-1/16											1/4-28	5.3	14.97	10.04	0.39
206-18	1-1/8															
206-19	1-3/16															
206-20	1-1/4															
SNA207		35	72	37.6	20	18.8	51.1	17.5	55.6	6.5	M8x1					
207-20	1-1/4											5/16-24	5.8	19.75	13.67	0.6
207-21	1-5/16															
207-22	1-3/8															
207-23	1-7/16															
SNA208		40	80	42.8	21	21.4	56.3	18.3	60.3	6.5	M8x1					
208-24	1-1/2											5/16-24	6.2	22.71	15.94	0.77
208-25	1-9/16															
SNA209		45	85	42.8	22	21.4	56.3	18.3	63.5	6.5	M8x1					
209-26	1-5/8											5/16-24	6.5	24.36	17.71	0.84
209-27	1-11/16															
209-28	1-3/4															
SNA210		50	90	49.2	24	24.6	62.7	18.3	69.9	6.5	M8x1					
210-30	1-7/8											5/16-24	7	26.98	19.84	1.02
210-31	1-15/16															
210-32	2															
SNA211		55	100	55.5	25	27.8	71.4	20.7	76.2	8	M10x1.25					
211-32	2											3/8-24	7.4	33.37	25.11	1.37
212-33	2-1/16															
211-34	2-1/8															
211-35	2-3/16															
SNA212		60	110	61.9	27	31	77.8	22.3	84.2	8	M10x1.25					
212-36	2-1/4											3/8-24	7.6	36.74	27.97	1.85
212-37	2-5/16															
212-38	2-3/8															
212-39	2-7/16															



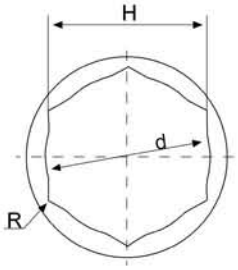
Type1 Type2 Type3 Type4 Type5

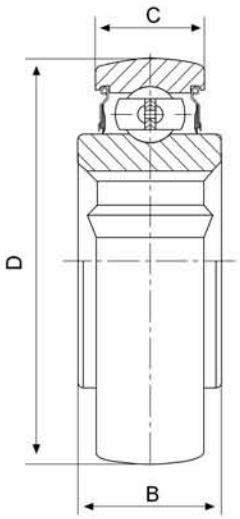
ROUND BORE

Bearing No.	Type	Bearing Bore Size A		Outside Dia. B		Ring Width Inner Ring		Ring Width Outer Ring	
		(in.)	(mm)	(in.)	(mm)	(in.)	(mm)	(in.)	(mm)
205PPB7	1	0.9375	23.813	2.0472	52	1.3748	34.92	0.591	15
W208PPB7	1	1.1880	30.175	3.1496	80	1.189	30.2	0.709	18
W208PP10	4	1.5005	38.113	3.1496	80	1.691	42.96	0.827	21
W208PPB23	1	1.5005	38.113	3.1496	80	1.691	42.96	1.189	30.2
W209PPB2	2	1.7717	45	3.3460	85	1.189	30.2	1.189	30.2
W209PPB4	2	1.5350	39	3.3460	85	1.189	30.2	1.189	30.2
W210PP2	5	1.9380	49.225	3.5433	90	1.189	30.2	1.189	30.2
W210PPB2	2	1.9380	49.225	3.5433	90	1.189	30.2	1.189	30.2
W211PP2	5	2.1880	55.575	3.9370	100	1.313	33.34	1.313	33.34
W211PPB2	2	2.1880	55.575	3.9370	100	1.313	33.34	1.313	33.34

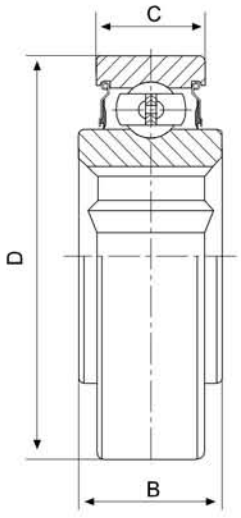
SQUARE BORE

Bearing No.	Type	Square Shaft Size	Square Bore Size	Outside Dia. B		Ring Width Inner Ring		Ring Width Outer Ring	
		(in.)	(mm)	(in.)	(mm)	(in.)	(mm)	(in.)	(mm)
W208PPB13	1	7/8	23.117	3.1496	80	1.437	36.5	0.709	18
W208PPB6	1	1	26.162	3.1496	80	1.437	36.5	0.709	18
W208PP5	4	1-1/8	29.972	3.1496	80	1.437	36.5	0.709	18
W208PPB5	1	1-1/8	29.972	3.1496	80	1.437	36.5	0.709	18
W208PP8	4	1-1/8	29.972	3.1496	80	1.437	36.5	1.189	30.2
W208PPB8	1	1-1/8	29.972	3.1496	80	1.437	36.5	1.189	30.2
W208PPB11	3	7/8	23.117	3.3760	85.75	1.437	36.5	1.189	30.2
W208PPB12	3	1-1/8	29.972	3.3760	85.75	1.437	36.5	1.189	30.2
W209PPB5	1	1-1/4	32.766	3.3460	85	1.437	36.5	1.189	30.2
W210PP4	5	1-1/8	29.972	3.5433	90	1.189	30.2	1.189	30.2
W210PPB4	2	1-1/8	29.972	3.5433	90	1.189	30.2	1.189	30.2
W211PP3	5	1-1/2	38.89	3.9370	100	1.313	33.34	1.313	33.34
W211PPB3	2	1-1/2	38.89	3.9370	100	1.313	33.34	1.313	33.34
W211PP5	4	1-1/2	38.89	4.0000	101.6	1.750	44.45	1.438	36.52
W211PPB6	3	1-1/2	38.89	4.0772	103.56	1.750	44.45	1.438	36.52





Type1



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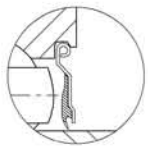
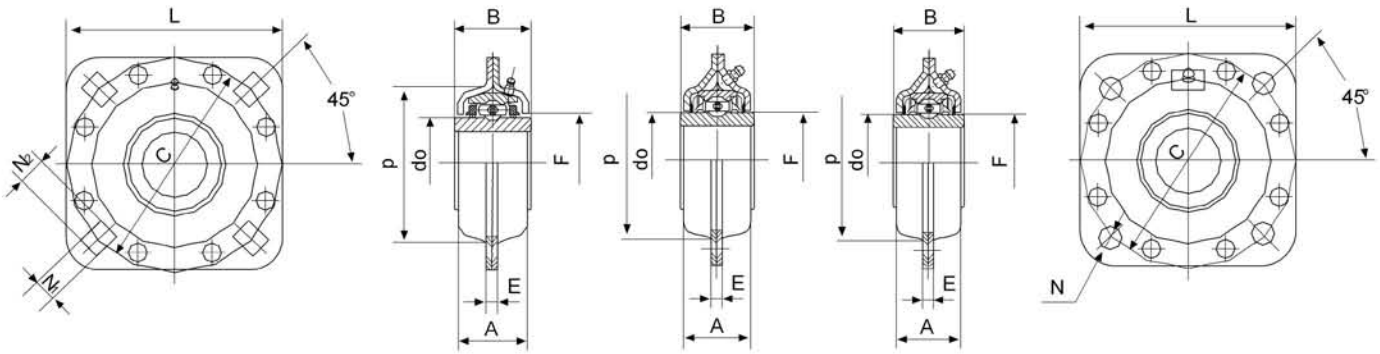
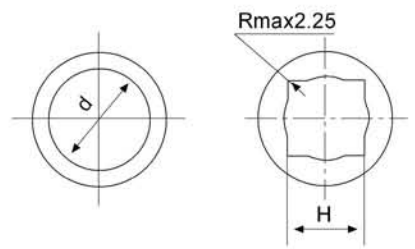


Hex-bore

Bearing No.	Type	Dimensions (mm)/(in.)						Basic load ratings (N)		Mass (kg)
		H	d	R	D	B	C	Dynarmic Cr	Static Cor	
205NPPB AH02	1	22.25 0.8760	22.7 0.8937	0.2 0.0079	52 2.0472	25.4 1.0000	15 0.5906	14000	7880	0.20
206NPPB AH02	1	22.25 0.8760	22.7 0.8937	0.2 0.0079	62 2.4409	24 0.9449	18 0.7087	19500	11200	0.37
206NPPB AH04	1	25.43 1.0012	26 1.0236	0.2 0.0079	62 2.4409	24 0.9449	18 0.7087	19500	11200	0.35
207NPPB AH09	1	28.6 1.1260	29.4 1.1575	0.2 0.0079	72 2.8346	37.7 1.4843	17 0.6693	25700	15200	0.48
207KPP3	2	31.77 1.2508	32.5 1.2795	0.2 0.0079	72 2.8346	37.7 1.4843	17 0.6693	25700	15200	0.45
207KPP17	2	28.6 1.1260	29.4 1.1575	0.2 0.0079	72 2.8346	25 0.9843	17 0.6693	25700	15200	0.42
207KPPB3	1	31.77 1.2508	32.5 1.2795	0.2 0.0079	72 2.8346	25 0.9843	17 0.6693	25700	15200	0.40





ROUND BORE(RD) SQUARE BORE(SQ)

The disk harrow unit is available in two basic size groups. one incorporating a 209 and one a 211 bearing, both size groups offer these outstanding features.

※ Dynamic aligmment capability(±3°).
※ Shroud effect from close clearance of stamping to inner ring.
※ Relubrication
※ One unit piece for ease of handling and assembly.
※ Fitting flange mates with outer ring milled recess, preventing possbility of outer ring circumferenial movement.

209 Series

Bearing No.	Type	Bearing Bore Size (mm)		Dimensions (mm)									Basic load ratings (N)	
		H (SQ)	d (RD)	L	P	B	A	F	do	E	C	N(N1XN2)	Dynarmic Cr	Static Cor
ST491A	1	--	45	127	98	42.8	42	60	57.547	7	127	Ø13.5	31850	17500
ST491A-I	2	--					37							
ST491A-II	3	--												
DHU45R-209	1	--					42					13.5X16.7		
ST491B	1	--	38.86									Ø13.5		
ST491B-I	2	--					37					13.5X16.7		
ST491B-II	3	--												
ST209-1 1/8	1	29.927	--				42							
ST209-1 1/8-I	2		--				37							
ST209-1 1/8-II	3		--											

211 Series

Bearing No.	Type	Bearing Bore Size (mm)		Dimensions (mm)									Basic load ratings (N)	
		H (SQ)	d (RD)	L	P	B	A	F	do	E	C	N(N1XN2)	Dynarmic Cr	Static Cor
DHU55R-211	1	--	55	139.7	113.5	51	46.4	73	69	9	139.7	13.5X15.1	43550	25000
DHU55R-211-I	2	--					42	71		8				
ST211-1 3/4	1	--	45.212			55.5	46.4	73		9		Ø13.5		
ST211-2 3/16	1	--	55.575											
ST211-2 3/16-I	2	--					42	71		8				
DHU40S-211	1	40.878	--			51	46.4	73		9		13.5X15.1		
FD211-1 1/2	2	38.89	--				42	71		8				

LDK® Surface treatment to bearings and housings

Surface treatment to insert ball bearings

Zinc plated insert ball bearings

52100 steel

4-6um thick

Prefix "Z" : Example ZUC205

Black Oxide insert ball bearings

52100 steel ,

Prefix "B" : Example BUC205

Electroless Nickel plated bearing units

Electroless Nickel plated over cast iron, ductile iron and stainless steel

Housings plated with 0.001" thick electroless, high phosphorous(+10%) nickel.

Suffix "NP" Example: P205-NP

LDK® High Temperature Bearing Units

High Temperature grease : Soap/Fluoride based, Maximum operating temperatures of the grease at 200°C, 300°C upon request. Please check with us.

Internal Clearance

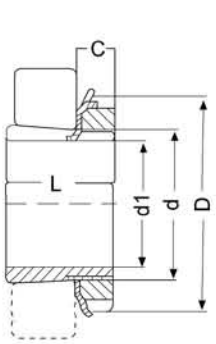
In the manufacturing of ball bearings, it's a standard practice for LDK assemble its rings and balls with a specified internal clearance. In the case of high-temperature inserts, internal clearance is even more important in compensating for thermal expansion of bearings, shafts, and housings. LDK uses an internal clearance standard of C4 on all of its high temp inserts.

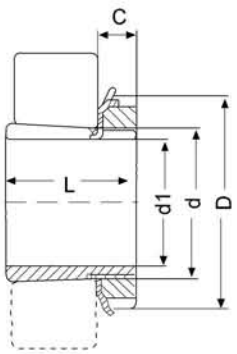
Silicon Rubber Seals

Most standard units are supplied with a nitrile rubber seal. Nitrile rubber is an excellent seal at temperatures ranging from 0-100°C.Soon after that temperature, nitrile rubber starts to breakdown, leaving no sealing element to retain high-temperature lubrication. Silicon seals have excellent high temperature stability, exceptional high temperature sticking, resistance to aging, ozone, sunlight and outstanding water repellence. The use of Silicone seals insures that the high-temperature lube stays where it belongs, in the bearing!

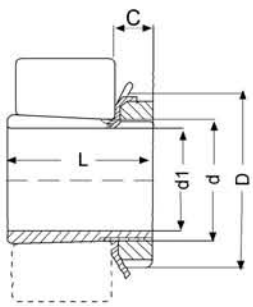
Zinc Coated Slinger

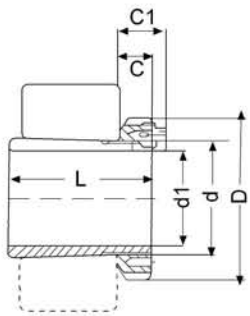
In order to allow the silicon to properly do it job as a seal, LDK uses the Zinc coated slinger to protect it. The purpose of a slinger is not only to protect the seal, but also to provide the first line of defense for the balls and retainer against contaminants. Using a standard slinger in a high temperature application may initially provide protection, but quite possibly corrode and lead to premature bearing failure . LDK's process of Zinc plating produces a slinger with two key attributes.. Heat and Abrasion resistance. A resistance that will maintain its properties well past the operating temperature of the bearing.





d<180mm





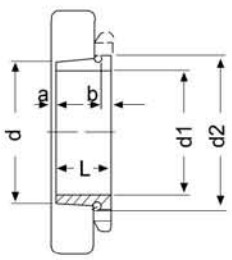
d>180mm

H (HE, HA) Series

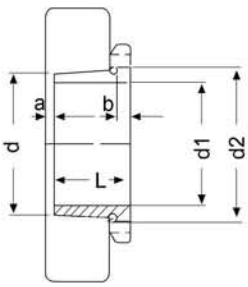
Item No.	d	d1			L	D	C	Item No. (KM/MB)	Weight (kg)
		H	HE	HA					
H204	20	17	--	--	24	32	7	4	0.041
H205	25	20	3/4	13/16	26	38	8	5	0.070
H206	30	25	1	15/16	27	45	8	6	0.099
H207	35	30	1-1/4	1-3/16	29	52	9	7	0.125
H208	40	35	1-1/4	1-5/16	31	58	10	8	0.174
H209	45	40	1-1/2	1-7/16	33	65	11	9	0.227
H210	50	45	1-3/4	1-11/16	35	70	12	10	0.274
H211	55	50	2	1-15/16	37	75	12	11	0.308
H212	60	55	2-1/4	2-1/16	38	80	13	12	0.346
H213	65	60	2-1/4	2-3/16	40	85	14	13	0.401
H214	70	60	--	--	41	92	14	14	0.593
H215	75	65	2-1/2	2-7/16	43	98	15	15	0.707
H216	80	70	2-3/4	2-11/16	46	105	17	16	0.882
H217	85	75	3	2-15/16	50	110	18	17	1.02
H218	90	80	3-1/4	3-3/16	52	120	18	18	1.19
H219	95	85	3-1/4	3-5/16	55	125	19	19	1.37
H220	100	90	3-1/2	3-7/16	58	130	20	20	1.49
H221	105	95	--	--	60	140	20	21	1.72
H222	110	100	4	3-15/16	63	145	21	22	1.93
H304	20	17	--	--	28	32	7	4	0.045
H305	25	20	3/4	13/16	29	38	8	5	0.075
H306	30	25	1	15/16	31	45	8	6	0.109
H307	35	30	1-1/4	1-3/16	35	52	9	7	0.142
H308	40	35	1-1/4	1-5/16	36	58	10	8	0.189
H309	45	40	1-1/2	1-7/16	39	65	11	9	0.248
H310	50	45	1-3/4	1-11/16	42	70	12	10	0.303
H311	55	50	2	1-15/16	45	75	12	11	0.345
H312	60	55	2-1/4	2-1/16	47	80	13	12	0.394
H313	65	60	2-1/4	2-3/16	50	85	14	13	0.458
H314	70	60	--	--	52	92	14	14	0.723
H315	75	65	2-1/2	2-7/16	55	98	15	15	0.831
H316	80	70	2-3/4	2-11/16	59	105	17	16	1.03
H317	85	75	3	2-15/16	63	110	18	17	1.18
H318	90	80	3-1/4	3-3/16	65	120	18	18	1.37
H319	95	85	3-1/4	3-5/16	68	125	19	19	1.56

H (HE, HA) Series

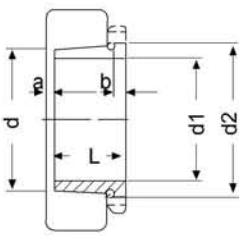
Item No.	d	d1			L	D	C	C1	Item No. (KM/MB)	Weight (kg)
		H	HE	HA						
H320	100	90	3-1/2	3-7/16	71	130	20	--	20	1.69
H321	105	95	--	--	74	140	20	--	21	1.95
H322	110	100	4	3-15/16	77	145	21	--	22	2.18
H2304	20	17	--	--	31	32	7	--	4	0.049
H2305	25	20	3/4	13/16	35	38	8	--	5	0.087
H2306	30	25	1	15/16	38	45	8	--	6	0.126
H2307	35	30	1-1/4	13/16	43	52	9	--	7	0.165
H2308	40	35	1-1/4	15/16	46	58	10	--	8	0.224
H2309	45	40	1-1/2	17/16	50	65	11	--	9	0.280
H2310	50	45	1-3/4	1-11/16	55	70	12	--	10	0.382
H2311	55	50	2	1-15/16	59	75	12	--	11	0.420
H2312	60	55	2-1/4	2-1/16	62	80	13	--	12	0.481
H2313	65	60	2-1/4	2-3/16	65	85	14	--	13	0.557
H2314	70	60	--	--	68	92	14	--	14	0.897
H2315	75	65	2-1/2	2-7/16	73	98	15	--	15	1.05
H2316	80	70	2-3/4	2-11/16	78	105	17	--	16	1.28
H2317	85	75	3	2-15/16	82	110	18	--	17	1.45
H2318	90	80	3-1/4	3-3/16	86	120	18	--	18	1.69
H2319	95	85	3-1/4	3-5/16	90	125	19	--	19	1.93
H2320	100	90	3-1/2	3-7/16	97	130	20	--	20	2.15
H2321	105	95	--	--	101	140	20	--	21	2.46
H2322	110	100	4	3-15/16	105	145	21	--	22	2.74
H2324	120	110	4-1/4	4-3/16	112	155	22	--	24	3.19
H2326	130	115	4-1/2	4-7/16	121	165	23	--	26	4.60
H2328	140	125	5	4-15/16	131	180	24	--	28	5.55
H2330	150	135	5-1/4	5-3/16	139	195	26	--	30	6.63
H2332	160	140	5-1/2	5-7/16	147	210	28	--	32	9.14
H2334	170	150	6	5-15/16	154	220	29	--	34	10.2
H2336	180	160	6-1/2	6-7/16	161	230	30	--	36	11.3
H2338	190	170	6-3/4	6-15/16	169	240	31	--	38	12.6
H2340	200	180	7	7-3/16	176	250	32	--	40	13.9
H2344	220	200	--	--	186	280	35	44	44	16.7
H2348	240	220	--	--	199	300	37	46	48	19.7
H2352	260	240	--	--	211	330	39	49	52	24.2
H2356	280	260	--	--	224	350	41	51	56	27.8



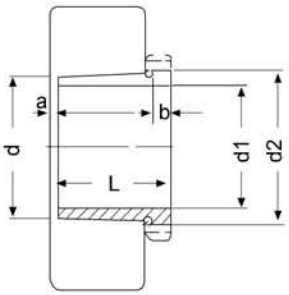
Series: AH2



AH3, AHX3



AH23,AHX23



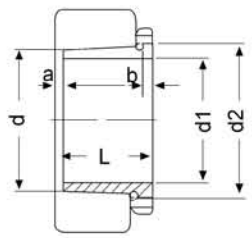
AH30,AHX30

Quit Sleeve

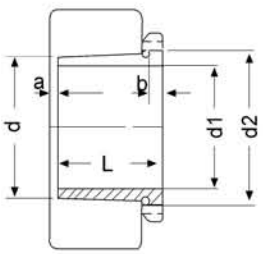
Item No.	d	d1	L	b	a	d2	Weight (kg)
AH208	40	35	25	6	2	M45x1.5	0.081
AH209	45	40	26	6	3	M50x1.5	0.095
AH210	50	45	28	7	3	M55x2	0.114
AH211	55	50	29	7	3	M60x2	0.132
AH212	60	55	32	8	3	M65x2	0.161
AH213	65	60	32.5	8	3.5	M75x2	0.213
AH214	70	65	33.5	8	3.5	M80x2	0.240
AH215	75	70	34.5	8	3.5	M85x2	0.259
AH216	80	75	35.5	8	3.5	M90x2	0.284
AH217	85	80	38.5	9	3.5	M95x2	0.314
AH218	90	85	40	9	4	M100x2	0.351
AH219	95	90	43	10	4	M105x2	0.403
AH220	100	95	45	10	4	M110x2	0.481
AH222	110	105	50	11	4	M120x3	0.547
AH224	120	115	53	12	4	M130x2	0.679
AH226	130	125	53	12	4	M140x2	0.725
AH228	140	135	56	13	5	M150x2	0.818
AH230	150	145	60	14	5	M160x3	0.963
AH232	160	150	64	15	5	M170x3	1.70
AH234	170	160	69	16	5	M180x3	1.98
AH236	180	170	69	16	5	M190x3	2.14
AH238	190	180	73	17	5	Tr205x4	2.52
AH240	200	190	77	18	5	Tr215x4	2.87
AH244	220	200	85	18	6	Tr235x4	5.49
AH248	240	220	96	22	6	Tr260x4	7.34
AH252	260	240	105	23	6	Tr280x4	8.80
AH256	280	260	105	23	8	Tr300x4	9.42
AH308	40	35	29	6	3	M45x1.5	0.090
AH309	45	40	31	6	3	M50x1.5	0.109
AHX310	50	45	35	7	3	M55x2	0.137
AHX311	55	50	37	7	3	M60x2	0.161
AHX312	60	55	40	8	3	M65x2	0.189
AH313	65	60	42	8	3	M75x2	0.253
AH314	70	65	43	8	4	M80x2	0.280
AH315	75	70	45	8	4	M85x2	0.313
AH316	80	75	48	8	4	M90x2	0.365
AHX317	85	80	52	9	4	M95x2	0.429
AHX318	90	85	53	9	4	M100x2	0.461
AHX319	95	90	57	10	4	M105x2	0.532
AHX320	100	95	59	10	4	M110x2	0.582
AHX322	110	105	63	12	4	M120x2	0.663
AHX324	120	115	69	13	4	M130x2	0.866
AHX326	130	125	74	14	4	M140x2	1.02
AHX328	140	135	77	14	5	M150x2	1.16
AHX330	150	145	83	15	5	M165x3	1.50
AH332	160	150	88	16	5	M180x3	2.69
AH334	170	160	93	17	5	M190x3	3.07
AH2308	40	35	40	7	3	M45x1.5	0.128
AH2309	45	40	44	7	3	M50x1.5	0.164

Quit Sleeve

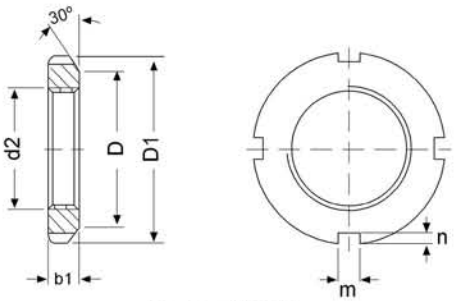
Item No.	d	d1	L	b	a	d2	Weight (kg)
AHX2310	50	45	50	9	3	M55x2	0.209
AHX2311	55	50	54	10	3	M60x2	0.253
AHX2312	60	55	58	11	3	M65x2	0.297
AH2313	65	60	61	12	3	M75x2	0.395
AHX2314	70	65	64	12	4	M80x2	0.466
AHX2315	75	70	68	12	4	M85x2	0.534
AHX2316	80	75	71	12	4	M90x2	0.597
AHX2317	85	80	74	13	4	M95x2	0.670
AHX2318	90	85	79	14	4	M100x2	0.779
AHX2319	95	90	85	16	4	M105x2	0.886
AHX2320	100	95	90	16	4	M110x2	0.998
AHX2322	110	105	98	16	4	M125x2	3.35
AHX2324	120	115	105	17	4	M135x2	1.60
AHX2326	130	125	115	19	4	M145x2	1.97
AHX2328	140	135	125	20	5	M155x3	2.33
AHX2330	150	145	135	24	5	M165x3	2.82
AH2332	160	150	140	24	6	M180x3	4.72
AH2334	170	160	146	24	6	M190x3	5.25
AH2336	180	170	154	26	6	M200x3	5.83
AH2338	190	180	160	26	7	Tr210x4	6.63
AH2340	200	190	170	30	7	Tr220x4	7.54
AH2344	220	200	181	30	8	Tr240x4	13.5
AH2348	240	220	189	30	8	Tr260x4	15.5
AH2352	260	240	205	30	8	Tr290x4	19.6
AH2356	280	260	212	30	8	Tr310x5	21.6
AHX3024	120	115	60	13	4	M130x2	0.750
AHX3026	130	125	67	14	4	M140x2	0.930
AHX3028	140	135	68	14	5	M150x2	1.01
AHX3030	150	145	72	15	5	M160x3	1.15
AH3032	160	150	77	16	5	M170x3	2.06
AH3034	170	160	85	17	5	M180x3	2.43
AH3036	180	170	92	17	6	M190x3	2.81
AH3038	190	180	96	18	6	Tr205x4	3.32
AH3040	200	190	102	19	6	Tr215x4	3.80
AH3044	220	200	111	20	6	Tr235x4	7.40
AH3048	240	220	116	21	7	Tr260x4	8.75
AH3052	260	240	128	23	7	Tr280x4	10.7
AH3056	280	260	131	24	8	Tr300x4	12.0
AH3060	300	280	145	26	8	Tr320x5	14.4
AH3064	320	300	149	27	8	Tr345x5	16.0
AH3068	340	320	162	28	9	Tr365x5	19.5
AH3072	360	340	167	30	9	Tr385x5	21.0
AH3076	380	360	170	31	10	Tr410x5	23.2
AH3080	400	380	183	33	10	Tr430x5	27.3
AH3084	420	400	186	34	10	Tr450x5	29.0
AHX3088	440	420	194	35	11	Tr470x5	32.0
AHX3092	460	440	202	37	11	Tr490x5	35.2
AHX3096	480	460	205	38	12	Tr520x6	39.2



Series: AH31, AHX31



AH22, AH32, AHX32



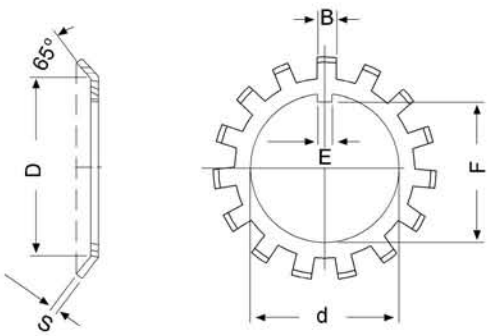
Series: AN/KM

Quit Sleeve

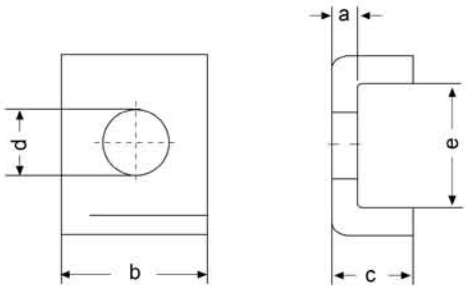
Item No.	d	d1	L	b	a	d2	Weight (kg)
AHX3120	100	95	64	11	4	M110x2	0.650
AHX3122	110	105	68	11	4	M125x2	0.760
AHX3124	120	115	75	12	4	M130x2	0.950
AHX3126	130	125	78	12	4	M140x2	1.08
AHX3128	140	135	83	14	5	M150x2	1.28
AHX3130	150	145	96	15	5	M165x3	1.79
AH3132	160	150	103	16	5	M180x3	3.21
AH3134	170	160	104	16	5	M190x3	3.40
AH3136	180	170	116	19	6	M200x3	4.22
AH3138	190	180	125	20	6	Tr210x4	4.89
AH3140	200	190	134	21	6	Tr220x4	5.49
AH3144	220	200	145	23	6	Tr240x4	10.4
AH3148	240	220	154	25	7	Tr260x4	12.0
AH3152	260	240	172	26	7	Tr290x4	16.2
AH3156	280	260	175	28	8	Tr310x5	17.5
AH3160	300	280	192	30	8	Tr330x5	20.8
AH3164	320	300	209	31	8	T350x5	24.5
AH3168	340	320	225	33	9	Tr370x5	29.0
AH3172	360	340	229	35	9	Tr400x5	33.0
AH3176	380	360	232	36	10	Tr420x5	35.7
AH3180	400	380	240	38	10	Tr440x5	39.5
AH3184	420	400	266	40	10	Tr460x5	46.5
AHX3188	440	420	270	42	11	Tr480x5	49.8
AHX3192	460	440	285	43	11	Tr510x6	57.9
AHX3196	480	460	295	45	12	Tr530x6	63.1
AHX3218	90	85	63	10	4	M100x2	0.576
AHX3219	95	90	67	11	4	M105x2	0.655
AHX3220	100	95	73	11	4	M110x2	0.767
AHX3222	110	105	82	11	4	M125x2	1.04
AHX3224	120	115	90	13	4	M135x2	1.30
AHX3226	130	125	98	15	4	M145x2	1.58
AHX3228	140	135	104	15	5	M155x3	1.84
AHX3230	150	145	114	17	5	M165x3	2.22
AH3232	160	150	124	20	6	M180x3	4.08
AH3234	170	160	134	24	6	M190x3	4.80
AH3236	180	170	140	25	6	M200x3	5.32
AH3238	190	180	145	25	7	Tr210x4	5.90
AH3240	200	190	153	34	7	Tr220x4	6.68
AH3260	300	280	228	34	8	Tr330x5	26.0
AH3264	320	300	246	36	8	Tr350x5	30.6
AH2236	180	170	105	17	5	M200x3	3.73
AH2238	190	180	112	18	5	Tr210x4	4.25
AH2240	200	190	118	19	5	Tr220x4	4.68
AH2244	220	200	130	20	6	Tr240x4	9.10
AH2248	240	220	144	21	6	Tr260x4	11.1
AH2252	260	240	155	23	6	Tr290x4	14
AH2256	280	260	155	24	8	Tr310x5	15.2
AH2260	300	280	170	26	8	Tr330x5	18.1
AH2264	320	300	180	27	10	Tr350x5	20.2

Lock Nut

Item No.	d2	D1	b1	D	m	n	Weight (kg)
AN/KM0	M10x0.75	18	4	13.5	3	2	0.004
AN/KM1	M12x1	22	4	17	3	2	0.007
AN/KM2	M15x1	25	5	21	4	2	0.010
AN/KM3	M17x1	28	5	24	4	2	0.013
AN/KM4	M20x1	32	6	26	4	2	0.019
AN/KM5	M25x1.5	38	7	32	5	2	0.025
AN/KM6	M30x1.5	45	7	38	5	2	0.043
AN/KM7	M35x1.5	52	8	44	6	2	0.053
AN/KM8	M40x1.5	58	9	50	6	2.5	0.085
AN/KM9	M45x1.5	65	10	56	6	2.5	0.119
AN/KM10	M50x1.5	70	11	61	6	2.5	0.148
AN/KM11	M55x2	75	11	67	7	3	0.158
AN/KM12	M60x2	80	11	73	7	3	0.174
AN/KM13	M65x2	85	12	79	7	3	0.203
AN/KM14	M70x2	92	12	85	8	3.5	0.242
AN/KM15	M75x2	98	13	90	8	3.5	0.287
AN/KM16	M80x2	105	15	95	8	3.5	0.397
AN/KM17	M85x2	110	16	102	8	3.5	0.451
AN/KM18	M90x2	120	16	108	10	4	0.556
AN/KM19	M95x2	125	17	113	10	4	0.658
AN/KM20	M100x2	130	18	120	10	4	0.698
AN/KM21	M105x2	140	18	126	12	5	0.845
AN/KM22	M110x2	145	19	133	12	5	0.965
AN/KM23	M115x2	150	19	137	12	5	1.01
AN/KM24	M120x2	155	20	138	12	5	1.08
AN/KM25	M125x2	160	21	148	12	5	1.19
AN/KM26	M130x2	165	21	149	12	5	1.25
AN/KM27	M135x2	175	22	160	14	6	1.55
AN/KM28	M140x2	180	22	160	14	6	1.56
AN/KM29	M145x2	190	24	172	14	6	1.80
AN/KM30	M150x2	195	24	171	14	6	2.03
AN/KM31	M155x3	200	25	182	16	7	2.30
AN/KM32	M160x3	210	25	182	16	7	2.59
AN/KM33	M165x3	210	26	193	16	7	2.70
AN/KM34	M170x3	220	26	193	16	7	2.80
AN/KM36	M180x3	230	27	203	18	8	3.07
AN/KM38	M190x3	240	28	214	18	8	3.39
AN/KM40	M200x3	250	29	226	18	8	3.69
AN/KML24	M120x2	145	20	135	12	5	0.780
AN/KML26	M130x2	155	21	145	12	5	0.880
AN/KML28	M140x2	165	22	155	12	5	0.990
AN/KML30	M150x2	180	24	170	14	5	1.38
AN/KML32	M160x3	190	25	180	14	5	1.56
AN/KML34	M170x3	200	26	190	16	5	1.72
AN/KML36	M180x3	210	27	200	16	5	1.95
AN/KML38	M190x3	220	28	210	16	5	2.08
AN/KML40	M200x3	240	29	222	18	8	2.98



Series: MB



Series: AL/MS ALL/MS

Lock Washer

Item No.	d2	D	S	E	F	B	Weight (100pcs/kg)
MB0	10	13.5	1	3	8.5	3	0.131
MB1	12	17	1	3	10.5	3	0.192
MB2	15	21	1	4	13.5	4	0.253
MB3	17	24	1	4	15.5	4	0.313
MB4	20	26	1	4	18.5	4	0.350
MB5	25	32	1.25	5	23	5	0.640
MB6	30	38	1.25	5	27.5	5	0.780
MB7	35	44	1.25	6	32.5	5	1.04
MB8	40	50	1.25	6	37.5	6	1.23
MB9	45	56	1.25	6	42.5	6	1.52
MB10	50	61	1.25	6	47.5	6	1.60
MB11	55	67	1.25	8	52.5	7	1.96
MB12	60	73	1.5	8	57.5	7	2.53
MB13	65	79	1.5	8	62.5	7	2.90
MB14	70	85	1.5	8	66.5	8	3.34
MB15	75	90	1.5	8	71.5	8	3.56
MB16	80	95	1.75	10	76.5	8	4.64
MB17	85	102	1.75	10	81.5	8	5.24
MB18	90	108	1.75	10	86.5	10	6.23
MB19	95	113	1.75	10	91.5	10	6.70
MB20	100	120	1.75	12	96.5	10	7.65
MB21	105	126	1.75	12	100.5	12	8.26
MB22	110	133	1.75	12	105.5	12	9.40
MB23	115	137	2	12	110.5	12	10.8
MB24	120	138	2	14	115	12	10.5
MB25	125	148	2	14	120	12	11.8
MB26	130	149	2	14	125	12	11.3
MB27	135	160	2	14	130	14	14.4
MB28	140	160	2	16	135	14	14.2
MB29	145	172	2	16	140	14	16.8
MB30	150	171	2	16	145	14	15.5
MB31	155	182	2.5	16	147.5	16	20.9
MB32	160	182	2.5	18	154	16	22.2
MB33	165	193	2.5	18	157.5	16	24.1
MB34	170	193	2.5	18	164	16	24.7
MB36	180	203	2.5	20	174	18	26.8
MB38	190	214	2.5	20	184	18	27.8
MB40	200	226	2.5	20	194	18	29.3
MB44	220	250	3	24	213	20	40.0
MB48	240	270	3	24	233	20	40.0
MB52	260	300	3	28	253	24	60.0
MB56	280	320	3	28	273	24	62.0

Lock Device

Item No.	a	b	c	d	e	Weight (100pcs/kg)
AL/MS3144	4	20	12	9	22.5	2.60
AL/MS3148	4	20	12	9	22.5	2.60
AL/MS3152	4	24	12	12	25.5	3.39
AL/MS3156	4	24	12	12	25.5	3.39
AL/MS3160	4	24	12	12	30.5	3.79
AL/MS3164	5	24	15	12	31	5.35
AL/MS3168	5	28	15	14	38	6.65
AL/MS3172	5	28	15	14	38	6.65
AL/MS3176	5	32	15	14	40	7.96
AL/MS3180	5	32	15	18	45	8.20
AL/MS3184	5	32	15	18	45	8.20
AL/MS3188	5	36	15	18	43	9.00
AL/MS3192	5	36	15	18	43	9.00
AL/MS3196	5	36	15	18	53	10.4
ALL/MS3044	4	20	12	7	13.5	2.12
ALL/MS3048	4	20	12	9	17.5	2.29
ALL/MS3052	4	20	12	9	17.5	2.29
ALL/MS3056	4	24	12	9	17.5	2.92
ALL/MS3060	4	24	12	9	20.5	3.16
ALL/MS3064	5	24	15	9	21	4.56
ALL/MS3068	5	24	15	9	21	4.56
ALL/MS3072	5	28	15	9	20	5.03
ALL/MS3076	5	28	15	12	24	5.28
ALL/MS3080	5	28	15	12	24	5.28
ALL/MS3084	5	32	15	12	24	6.11
ALL/MS3088	5	32	15	14	28	6.45
ALL/MS3092	5	32	15	14	28	6.45
ALL/MS3096	5	36	15	14	28	7.29

HOUSED UNIT AND INSERT BEARING INTERCHANGE

Description	LDK Bearings	AMI	SKF	FYH	NTN	Peer	IPTCI	Browning	Dodge	Fafnir	Hub City	Link Belt	McGill MB	Sealmaster
Pillow Blocks	UCP205-16	UCP205-16	SY 1 TM	UCP205-16	UCP205-100D1	UCP205-16	UCP205-16	VPS-216	P2B-SC-100	YAS-1	PB251W-1	P3-U216N	C-25-1	NP-16
	NAP205-16	UGP205-16	----	NAP205-16	UELP205-100D1	HCP205-16	NAP205-16	VPE-216	P2B-SXR-100	RAS-1	PB221W-1	P3-Y216N	-----	RP-16E
	UCLP205-16	UCLP205-16	----	SL205-16	UCLP205-100D1	UCLP205-16	UCPL205-16	VPLS-216	P2B-SCB-100	YAK-1	PB250W-1	PL3-U216N	CL-25-1	NPL-16
	NAAK205-16	UGAK205-16	SYH 1 WM	NAPK205-16	UELPL205-100D1	HCLP205-16	NAPL205-16	VPLE-216	P2B-SXRB-100	RAK-1	PB220W-1	PL3-Y216N	-----	RPL-16E
	SBP205-16	BP205-16	----	SBP205-16	ASP205-100D1	FHS205-16G	SBP205-16G	VPS-116	P2B-VSC-100	SAS-1	PB251-1	P3S-216N	-----	VP-16
	SBLP205-16	BLP205-16	----	SBLP205-16	ASLP205-100D1	FHSLP205-16G	SBPL205-16G	VPLS-116	PSB-VSCB-100	SAK-1	PB250-1	-----	-----	VLP-16
	SAP205-16	KHP205-16	SY 1 FM	SAP205-16	AELP205-100D1	FHP205-16G	SAP205-16G	VPE-116	PSB-SXV-100	VAS-1	PB221-1	P3-W216U	-----	VP-16E
	UCPX05-16	UCPX05-16	SYM 1 TM	UCPX05-16	UCPX05-100D1	UCPX05-16	UCPX05-16	VPS-316	PSB-SCM-100	YASM-1	PB350-1	-----	C-35-1	MP-16
	SBLP205-16	BLLP5-16	----	SBLP205-16	ASLP205-100D1	FHSPWC205-16	SBLP205-16G	------	-----	-----	-----	-----	-----	-----
	SALP205-16	KHLP205-16	----	SALP205-16	AELLP205-100D1	FHPWC205-16	SALP205-16G	------	-----	-----	-----	-----	-----	-----
	UCPA205-16A	UCTB205-16	----	UCPAN205-16	UCUP205-100D1	UCPA205-16	UCPA205-16	VTBS-216	TB-SC-100	YTB-2	TPB250W-1	PT3-U216N	TBC-25-1	TB-16
	SBPP205-16	BPP205-16	----	SBPP205-16	ASPP205-100	FHSPPZ205-16		SSPS 116						SSP16E
	SAPP205-16	KHPP205-16	S 1 FM	SAPP205-16	AELPP205-100	FHPPZ205-16		SSPE 116		PB 1				
4-Bolt Flanges	UCF205-16	UCF205-16	FY 1 TM	UCF205-16	UCF205-100D1	UCF205-16	UCF205-16	VF4S-216	F4B-SC-100	YCJ-1	-----	F3-U216N	FC4-25-1	SF-16
	NAFU205-16	UGSLF205-16	FY 1 WM	NANF205-16	UELFS205-100D1	HCFS205-16	NANF205-16	VF4E-216	F4B-SXR-100	RCJ-1	-----	F3-Y216N	-----	RF-16E
	SBF205-16	BF205-16	----	SBF205-16	ASF205-100D1	FHSF205-16G	SBF205-16	VF4S-116	F4B-VSC-100	SCJ-1	FB250-1	-----	-----	VF-16
	SAF205-16	KHF205-16	FY 1 FM	SAF205-16	AELF205-100D1	FHF205-16G	SAF205-16G	VF4E-116	F4B-SXV-100	VCJ-1	FB220-1	F3-W216U	-----	VF-16E
	UCFX05-16	UCFX05-16	FYM 1 TM	UCFX05-16	UCFX05-100D1	USCX05-16	UCFX05-16	VF4S-316	F4B-SCM-100	YCJM-1	-----	-----	FC4-35-1	MSF-16
	SBPF205-16	BPF205-16		SBPF205-16	ASPF205-100	FHSPFZ205-16								SSF-16E
	SAPF205-16	KHPF205-16		SAPF205-16	AELPF205-100	FHPFZ205-16				PA 1				
3-Bolt Flanges	SBFCT205-16	BTM205-16	----	----	----	FHSF3X205-16G	SBRFB205-16G	VF3S-116	LF-SC-100	GSFD-1	FB150-1	-----	----	LF-16
	SAFCT205-16	KHTM205-16	----	----	----	FHF3X205-16G	SARFB205-16G	VF3E-116	LF-SXV-100	GVFD-1	-----	F-WG216U	----	LF-16E
2-Bolt Flanges	UCFL205-16	UCFT205-16	FYT 1 TM	UCFL205-16	UCFL205-100D1	UCFT205-16	UCFL205-16	VF2S-216	F2B-SC-100	YCJT-1	FB260W-1	FX3-U216N	FC2-25-1	SFT-16
	NAFLU205-16	UGFJT205-16	FYT 1 WM	NANFL205-16	UELFLU205-100D1	HCFTS205-16	NANFL205-16	VF2E-216	F2B-SXR-100	RCJT-1	FB230W-1	FX3-Y216N	-----	RFT-16E
	SBFL205-16	BFT205-16		SBFL205-16	ASFL205-100D1	FHSFT205-16	SBFL205-16	VF2S-116	F2B-VSC-100	SCJT-1	FB260-1	FX3-216E	-----	VFT-16
	SAFL205-16	KHFT205-16	FYT 1 FM	VAFL205-16	AELFL205-100D1	FHFT205-16G	SAFL205-16G	VF2E-116	F2B-SXV-100	VCJT-1	FB230-1	FX3-W216U	-----	VFT-16E
	UCFLX05-16	UCFLX05-16	----	UCFLX05-16	UCFLX05-100D1	UCFTX05-16	UCFLX05-16	VF2S-316	F2B-SCM-100	YCJTM-1	-----	-----	FC2-35-1	MSFT-16
	SBLF205-16	BLFL5-16	----	SBLF205-16	ASLF205-100D1	FHSLF205-16G	SBLF205-16G	-----	-----	-----	-----	-----	-----	----
	SALF205-16	KHLFL205-16	----	SALF205-16	AELLF205-100D1	FHLF205-16G	SALF205-16G	-----	-----	-----	-----	-----	-----	----
	SBPFTD205-16	BFX205-16	----	-----	-----	FHSFX205-16G	SBLF205-16GH4	VF2S-116M	LFT-SC-100	GSFTD-1	FB110/160-1	FX-UG216N	-----	----
	SAPFTD205-16	KHFX205-16	----	-----	-----	FXFX205-16G	SALF205-16GH4	VF2E-116M	-----	GVFTD-1	-----	FXR-UG216N	-----	----
	SBPFL205-16	BPFL205-16	FT 1 FM	SBPFL205-16	ASPFL205-100	FHSPFLZ205-16		SSF2S-116						SSFT-16E
	SAPFL205-16	KHPFL205-16	----	SAPFL205-16	AELPFL205-100	FHPFLZ205-16		SSF2E-116		PAT 1				
Piloted Flanges	UCFC205-16	UCFC205-16	----	UCFC205-16	UCFC205-100D1	UCFC205-16	UCFC205-16	VFC-216	FC-SC-100	----	----	----	----	----
Flange Brackets	UCFB205-16	UCFB205-16	----	UCFB205-16	UCFB205-100D1	UCFB205-16	UCFB205-16	----	FB-SC-100	----	----	FB3-U216N	MFB-1	----

*** All units and inserts shown with a 1* bore size ***

*** Manufacturers may locate grease holes and anti-rotation devices at different locations ***

*** Some manufacturers locking devices and bolt holes may differ in style or shape ***

HOUSED UNIT AND INSERT BEARING INTERCHANGE

Description	LDK Bearings	AMI	SKF	FYH	NTN	Peer	IPTCI	Browning	Dodge	Fafnir	Hub City	Link Belt	McGill MB	Sealmaster
Take-Up Units	UCT205-16	UCST205-16	TBY 1 TM	UCT205-16	UCT205-100D1	UCT205-16	UCT205-16	VTWS-216	WSTU-SC-100	YTU-1	WSTU250-1	TH3-U200N	-----	ST-16
	NAT205-16	UGST205-16	----	NAT205-16	UELT205-100D1	HCT205-16	NAT205-16	VTWE-216	WSTU-SXR-100	RTU-1	WSTU220-1	-----	-----	RT-16E
Hanger Units	UCHA205-16	UCECH205-16	----	UCHA205-16	UCHB205-100D1	UCHA205-16	UCHA205-16	----	SCHB-SC-100	RHC-1	----	----	MEHB-1	SEHB-16
Insert Bearings	UC205-16	UC205-16	YAR 205-100	UC205-16	UC205-100D1	UC205-16	UC/UCW205-16	VS-216	INS-SC-100	GY1100KRRB	YW250-1	UG216NL	MB-25-1	CR-16
	NA205-16	UG205-16	YEL 205-100	NA205-16	UEL205-100D1	HC205-16	NA/NAW205-16	VE-216	INS-SXR-100	G1100KRRB	YW220-1	YG216NL	-----	R-16E
	UCX05-16	UCX05-16	YAR 206-100	UCX05-16	UCX05-100D1	UCX05-16	UCX05-16	VS-316	INS-SCM-100	GYM100KRRB	B350-1	-----	MB-35-1	3-1
	UC205-16 L3	----	----	UC205-16 L3	UC205-100D1LLJ	UC205-16-TRL	UC205-16L3	----	----	GY1100KPPB3	----	UG216E3	----	----
	SER205-16	SER205-16		ER205-16	UCS205-100D1	SER-16	ER205-16	VER-216	-----	ER-16	-----	-----	ER-16	ER-16
	SB205-16	B5-16	YAT 205-100	SB205-16KP8	AS205-100D1	FHS205-16	SB205-16G	VS-116	INS-VSC-100	GYA100RRB	B250-1	SG216EL	-----	V-16
	CSB205-16	BR5-16	----	SBB205-16	ASS205-100D1	FHSR205-16	CSB205-16	SLS-116	INS-CC-100	YA100RR	-----	-----	-----	SL-16
	SA205-16	KH205-16	YET 205-100	SA205-16FP9	AEL205-100D1	FH205-16	SA205-16G	VE-116	INS-SXV-100	GRA100RRB	B220-1	WG216UL	-----	V-16E
	CSA205-16	KHR205-16	YET 205-100CW	SAA205-16	AELS205-100D1	FHR205-16	CSA205-16N	SLE-116	-----	RA100RR	-----	WBG216UL	-----	SL-16E
	UE205-16	UE205-16	----	NC205-16	----	GR205-16	----	VB-216	IINS-DL-100	----	----	----	----	2-1T
	SUC205-16	MUC205-16	----	UC205-16S6PL	F-UC205-100D1	SUC205-16	SUC205-16	VS-S216	----	----	----	----	----	----
	SSB205-16	MB205-16	----	----	----	----	SSB205-16	----	----	----	----	----	----	----
	SSA205-16			----	----	----	----	----	----	----	----	----	----	----
	SNA205-16			----	----	----	SNA205-16	----	----	----	----	----	----	----
	SSER205-16	MSER205-16	----	ER205-16S6	----	----	SSER205-16	----	----	----	----	----	----	----
Corrosion Resistant All Stainless Steel	SSUCP205-16	MUCP205-16	-----	UCSP205-16S6H1	F-UCPM205-100/LP03	SSUCP205-16	SUCSP205-16	SPS-S216	----	----	----	----	----	----
	SSUCPA205-16	MUCTB205-16	-----	UCPAN205-16S6H1	----	SSUCPAS205-16	SUCSPA205-16	----	----	----	----	----	----	----
	SSUCF205-16	MUCF205-16	-----	UCSF205-16S6H1	F-UCFM205-100D/LP03	SSUCF205-16	SUCSF205-16	SF4S-S216	----	----	----	----	----	----
	SSUCFB205-16	MUCFB205-16	-----	UCSFB205-16S6H1	----	SSUCFB205-16	SUCSFB205-16	----	----	----	----	----	----	----
	SSUCFL205-16	MUCFL205-16	-----	UCSFL205-16S6H1	----	SSUCFT205-16	SUCSFL205-16	SF2S-S216	----	----	----	----	----	----
	SSUCHA205-16		-----		----	SSUCHA205-16	SUCSHA205-6	----	----	----	----	----	----	----
	SSUCT205-16	MUCT205-16	-----	UCST205-16S6H1	----	SSUCT205-16	SUCST205-16	----	----	----	----	----	----	----
Stainless Insert Thermoplastic Housing	TP-SUCP205-16	MUCPPL205-16	SY 1 TR	UCVP205-16ES7	F-UCPR205-100/LP03	SUCP205-16-PBT	SUCTP205-16	----	P2B-SCEZ-100-PCR	YAS 1 PT	----	----	----	----
	TP-SUCPA205-16	MUCTBL205-16	----	UCPAN205-16S6PL	----	SUCPAS205-16-PBT	SUCTPA205-16	----	TB-SCEZ-100-CR	STB 1	----	----	----	----
	TP-SUCF205-16	MUCFPL205-16	FY 1 TR	UCVF205-16ES7	----	SUCF205-16-PBT	SUCTF205-16	CF4S-S216	F4B-SCEZ-100-PCR	YCJ 1 PT	----	----	----	----
	TP-SUCFB205-16	MUCFBL205-16	----	UCFB205-16S6PL	----	SUCFB205-16-PBT	SUCTFB205-16	----	FB-SCEZ-100-CR	----	----	----	----	----
	TP-SUCFL205-16	MUCNFL205-16	FYTB 1 TR	UCVFL205-16ES7	F-UCFLR205-100/LP03	SUCFT205-16-PBT	SUCTFL205-16	CF2S-S216	F2B-SCEZ-100-PCR	YCJT 1 PT	----	----	----	----
	TP-SUCT205-16	MUCTPL205-16	----	----	----	SUCT205-16-PBT	----	----	NTSU-SCEZ-100-CR	----	----	----	----	----
	TP-SUCHA205-16	MUCHPL205-16	----	----	----	SUCHA205-16-PBT	----	CTBS-S216	----	----	----	----	----	----

*** All units and inserts shown with a 1* bore size ***
*** Manufacturers may locate grease holes and anti-rotation devices at different locations ***
*** Some manufacturers locking devices and bolt holes may differ in style or shape ***

LDK®

BEARINGS

INCH/METRIC CONVERSION TABLE

INCH		MM	INCH		MM	INCH		MM	INCH		MM
Fraction	Decimal		Fraction	Decimal		Fraction	Decimal		Fraction	Decimal	
	0.00004	0.001	17/64	0.2656	6.746		0.6693	17.0		1.3780	35.0
	0.00039	0.010		0.2756	7.0	43/64	0.6719	17.066		1.4173	36.0
	0.0010	0.025	9/32	0.2812	7.1437	11/16	0.6875	17.4625	1-1/2	1.5000	38.1
	0.0020	0.051	19/64	0.2969	7.5406	45/64	0.7031	17.859		1.5354	39.0
	0.0030	0.0762	5/16	0.3125	7.9375		0.7086	18		1.5748	40.0
	0.00394	0.1		0.3150	8.0	23/32	0.7187	18.256		1.6535	42.0
	0.0050	0.1270	21/64	0.3281	8.334	47/64	0.7344	18.653	1-3/4	1.7500	44.45
	0.00984	0.25	11/32	0.3437	8.731		0.7480	19.0		1.7717	45.0
	0.0100	0.254		0.3543	9.0	3/4	0.7500	19.05		1.8898	48.0
1/64	0.0156	0.396	23/64	0.3594	9.1281	49/64	0.7656	19.446		1.9685	50.0
1/32	0.0312	0.793	3/8	0.3750	9.525	25/32	0.7812	19.843	2	2.0000	50.8
	0.03937	1.0	25/64	0.3906	9.9219		0.7874	20.0		2.0472	52.0
3/64	0.0469	1.191		0.3937	10.0	51/64	0.7969	20.240		2.1654	55.0
	0.0591	1.5	13/32	0.4062	10.318	13/16	0.8125	20.6375		2.2047	56.0
1/16	0.0625	1.5875	27/64	0.4219	10.716		0.8268	21.0	2-1/4	2.2500	57.15
5/64	0.0781	1.984		0.4331	11.0	53/64	0.8281	21.034		2.3622	60.0
	0.0787	2.0	7/16	0.4375	11.1125	27/32	0.8437	21.431	2-1/2	2.5000	63.5
3/32	0.0937	2.381	29/64	0.4531	11.509	55/64	0.8594	21.828		2.5197	64.0
	0.0984	2.5	15/32	0.4687	11.906		0.8661	22.0	2-3/4	2.7500	69.85
	0.1000	2.54		0.4724	12.0	7/8	0.8750	22.225		2.8346	72.0
7/64	0.1094	2.778	31/64	0.4844	12.303	57/64	0.8906	22.621		2.9528	75.0
	0.1181	3.0	1/2	0.5000	12.7		0.9055	23.0	3.0	3.0000	76.2
1/8	0.125	3.175		0.5118	13.0	29/32	0.9062	23.018		3.1496	80.0
	0.1378	3.5	33/64	0.5156	13.096	59/64	0.9219	23.416	3-1/4	3.2500	82.55
9/64	0.1406	3.571	17/32	0.5312	13.493	15/16	0.9375	23.8125	3-1/2	3.5000	88.9
5/32	0.1562	3.968	35/64	0.5469	13.891		0.9449	24.0		3.5433	90.0
	0.1575	4.0		0.5512	14.0	61/64	0.9531	24.209	3-3/4	3.7500	95.25
11/64	0.1719	4.366	9/16	0.5625	14.2875	31/32	0.9687	24.606		3.9370	100.0
	0.1772	4.5	37/64	0.5781	14.684		0.9843	25.0	4	4.0000	101.6
3/16	0.1875	4.7625		0.5906	15.0	63/64	0.9844	25.003	4-1/4	4.2500	107.95
	0.1969	5.0	19/32	0.5937	15.081	1	1.0000	25.4		4.3307	110.0
13/64	0.2031	5.159	39/64	0.6094	15.478		1.0630	27.0	4-1/2	4.5000	114.3
7/32	0.2187	5.556	5/8	0.6250	15.875		1.1024	28.0		4.7244	120.0
15/64	0.2344	5.953		0.6299	16.0		1.1811	30.0	4-3/4	4.7500	120.65
	0.2362	6.0	41/64	0.6406	16.271	1-1/4	1.2500	31.75	5	5.0000	127.0
1/4	0.2500	6.35	21/32	0.6562	16.668		1.2992	33.0	5-1/2	5.5000	139.7

CONVERSION FACTORS

Inches	x 25.4	=Millimeters	Lbs. per in^2	x .0703	=Kg per cm^2
Millimeters	x .03937	=Inches	Kg per cm^2	x 14.2231	=Lbs. per in^2
Sq. Inches	x 6.4515	=Sq.Centimeters	Pounds (Force)	x 4.448	=Newtons
Sq.Centimeters	x .155	=Sq. Inches	Newtons	x .2248	=Pounds (Force)
Pounds	x .4536	=Kilograms	Degress C= (Degrees F -32) x .5556		
Kilograms	x 2.2046	=Pounds	Degress F= (Degrees C x 1.8) + 32		

CERTIFICATES

Our company has set up the quality system and environmental management system according to the international standard of ISO9001 and ISO14001.

Environmental Management System Certificate

Certificate Number: 15-2005-867

CQM hereby certifies that

Quanzhou Deyuan Bearing Industrial Co.,Ltd.

Xipu Industrial Zone, Heshi Town, Luojiang District, Quanzhou City, Fujian, P.R.China(362011)

has implemented and maintains an Environmental Management System which fulfils the requirements of the following standards

GB/T 24001-2004 idt ISO 14001:2004

for the scope

Production and relevant management activities of ball bearing units, bearing block and spherical plain bearing

Issue Date: 2005-12-23 Date of Expiry: 2008-12-22

The validity of the certificate can be checked on Certificate Confirmation and CQM website.

Zhang Wei CEO of CQM

Address: 12th Floor, Building B of Keyuan Plaza,A-105 Xitaishan North Road, Haidian District, Beijing, 100037, P.R. China
Tel: +86 10 8841 1888 Fax: +86 10 8841 4325 Website: http://www.cqm.com.cn

Quality Management System Certificate

Certificate Number: 0205Q14481R2M

CQM hereby certifies that

Quanzhou Deyuan Bearing Industrial CO.,LTD.

Xipu Industrial Zone, Heshi Town, Luojiang District, Quanzhou City, Fujian, P.R.China(362011)

has implemented and maintains a Quality Management System which fulfils the requirements of the following standards

GB/T 19001-2000 idt ISO 9001:2000

for the scope

Production of ball bearing units, bearing block and spherical plain bearing

Issue Date: 2005-09-15 Date of Expiry: 2008-09-14

The validity of the certificate can be checked on Certificate Confirmation and CQM website.

Zhang Wei CEO of CQM

Address: 12th Floor, Building B of Keyuan Plaza,A-105 Xitaishan North Road, Haidian District, Beijing, 100037, P.R. China
Tel: +86 10 8841 1888 Fax: +86 10 8841 4325 Website: http://www.cqm.com.cn

Occupational Health and Safety Management System Certificate

Certificate Number: 2005-407

CQM hereby certifies that

Quanzhou Deyuan Bearing Industrial Co.,Ltd.

Xipu Industrial Zone, Heshi Town, Luojiang District, Quanzhou City, Fujian, P.R.China(362011)

has implemented and maintains an Occupational Health and Safety Management System which fulfils the requirements of the following standards

GB/T 28001-2001

(The standard covers all the technical contents of OHSAS 18001:1999)

for the scope

Production and relevant management activities of ball bearing units, bearing block and spherical plain bearing

Issue Date: 2005-12-23 Date of Expiry: 2008-12-22

The validity of the certificate can be checked on Certificate Confirmation and CQM website.

Zhang Wei CEO of CQM

THE INTERNATIONAL CERTIFICATION NETWORK

CERTIFICATE

IQNet and CQM
hereby certify that the organization

Quanzhou Deyuan Bearing Industrial CO.,LTD.

Xipu Industrial Zone, Heshi Town, Luojiang District, Quanzhou City, Fujian, P.R.China
Postcode.:362011

is in conformity with

ISO 9001:2000 Standard

This certificate is valid to the following product(s)/service:
Production of ball bearing units, bearing block and spherical plain bearing

Issued on: 2005-09-15

Validity date: 2008-09-14

Registration Number: CN-0205Q14481R2M

Dr. Fabio Roversi
President of IQNet

Zhang Wei
CEO of CQM