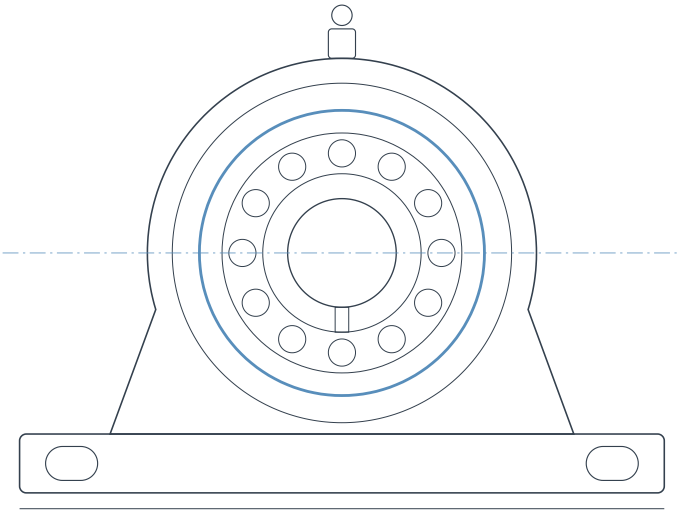


# NSK

## Ball Bearing Units

## کاتالوگ یاتاقان NSK

استعلام قیمت و خرید یاتاقان NSK ←

| BRAND<br>برند | ORIGIN<br>کشور سازنده | PRODUCTS<br>محصولات | PAGES<br>تعداد صفحات | LANGUAGE<br>زبان |
|---|---|---|---|---|
| NSK | Japan | Bearing units | 211 | English |

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MOTION & CONTROL™

NSK

# Ball Bearing Units



# Dimension Table

| HOUSING / BEARING | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Page Nos. | | Page Nos. | | Page Nos. | | Page Nos. | | Page Nos. | | Page Nos. | | Page Nos. | | Page Nos. | | Page Nos. | | Page Nos. | |
| Set screw type |  | UC2 | B312 | UCP2<br>UCPL2 | B4<br>B22 | UCHP2<br>UCUP2 | B26<br>B30 | | | | | UCF2 | B42 | UCFC2 | B66 | UCFL2 | B78 | UCFA2<br>UCFH2 | B92<br>B96 | | | UCHB2 | B110 | UCT2 | B114 | UCT2-<br>UCL2-<br>UCM2- | B130<br>B132<br>B134 | UCC2 | B140 |
| |  | UC3 | B318 | UCP3 | B10 | | | | | | | UCF3<br>UCFS3 | B48<br>B60 | | | UCFL3 | B84 | | | | | | | UCT3 | B120 | UCM3- | B136 | UCC3 | B142 |
| |  | UCX | B324 | UCPX | B16 | | | | | | | UCFX | B54 | UCFCX | B72 | UCFLX | B90 | | | | | | | UCTX | B126 | | | UCCX | B146 |
| |  | AS2 | B328 | ASPL2 | B34 | | | ASPP2<br>ASRPP2 | B38<br>B40 | | | | | | | ASFB2<br>ASFD2 | B100<br>B102 | | | ASPF2<br>ASRPF2<br>ASPFL2 | B104<br>B106<br>B108 | | | | | ASPT2- | B138 | | |
| Eccentric locking collar type |  | UEL2 | B336 | UELP2<br>UELPL2 | B148<br>B158 | UELHP2<br>UELUP2 | B162<br>B164 | | | | | UELF2<br>UELFU2 | B174<br>B184 | UELFC2 | B194 | UELFL2<br>UELFLU2 | B198<br>B208 | | | | | | | UELT2 | B228 | | | UELC2 | B242 |
| |  | UEL3 | B340 | UELP3 | B152 | | | | | | | UELF3<br>UELFS3 | B178<br>B188 | | | UELFL3 | B202 | | | | | | | UELT3 | B232 | | | UELC3 | B244 |
| |  | AEL2<br>JEL2 | B346<br>B348 | AELPL2<br>JELPL2 | B166<br>B168 | | | AELPP2<br>AELRPP2 | B170<br>B172 | | | | | | | AELFB2<br>AELFD2<br>JELFD2 | B212<br>B214<br>B216 | | | AELPF2<br>JELPF2<br>AELRPF2<br>AELPFL2<br>JELPFL2 | B218<br>B220<br>B222<br>B224<br>B226 | | | | | AELPT2-<br>JELPT2- | B238<br>B240 | | |
| Adapter type |  | UK2 | B354 | UKP2 | B248 | | | | | | | UKF2 | B260 | UKFC2 | B276 | UKFL2 | B284 | | | | | | | UKT2 | B294 | | | UKC2 | B306 |
| |  | UK3 | B358 | UKP3 | B252 | | | | | | | UKF3<br>UKFS3 | B264<br>B272 | | | UKFL3 | B288 | | | | | | | UKT3 | B298 | | | UKC3 | B308 |
| |  | UKX | B362 | UKPX | B256 | | | | | | | UKFX | B268 | UKFCX | B280 | UKFLX | B292 | | | | | | | UKTX | B302 | | | UKCX | B310 |
| Other bearings | | | | | | AR2 | B332 | REL2 | B350 | UCS2 | B366 | UCS3 | B370 | ASS2 | B374 | UELS2 | B376 | UELS3 | B380 | AELS2 | B384 | JELS2 | B386 | | | CS2 | B388 |

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# Ball Bearing Units

CAT. No. E1154f

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## 1. Construction

The **NSK** bearing unit is a combination of a radial ball bearing, seal, and a housing of high-grade cast iron or pressed steel, which comes in various shapes.

The outer surface of the bearing and the internal surface of the housing are spherical, so that the unit is self-aligning.

The inside construction of the ball bearing for the unit is such that steel balls and retainers of the same type as in series 62 and 63 of the deep groove ball bearing are used. A duplex seal consisting of a combination of an oil-proof synthetic rubber seal and a slinger is provided on both sides.

Depending on the type, the following methods of fitting to the shaft are employed:

(1) The inner ring is fastened onto the shaft in two places by set screws.

(2) The inner ring has a tapered bore and is fitted to the shaft by means of an adapter.

(3) In the eccentric locking collar system the inner ring is fastened to the shaft by means of eccentric grooves provided at the side of the inner ring and on the collar.

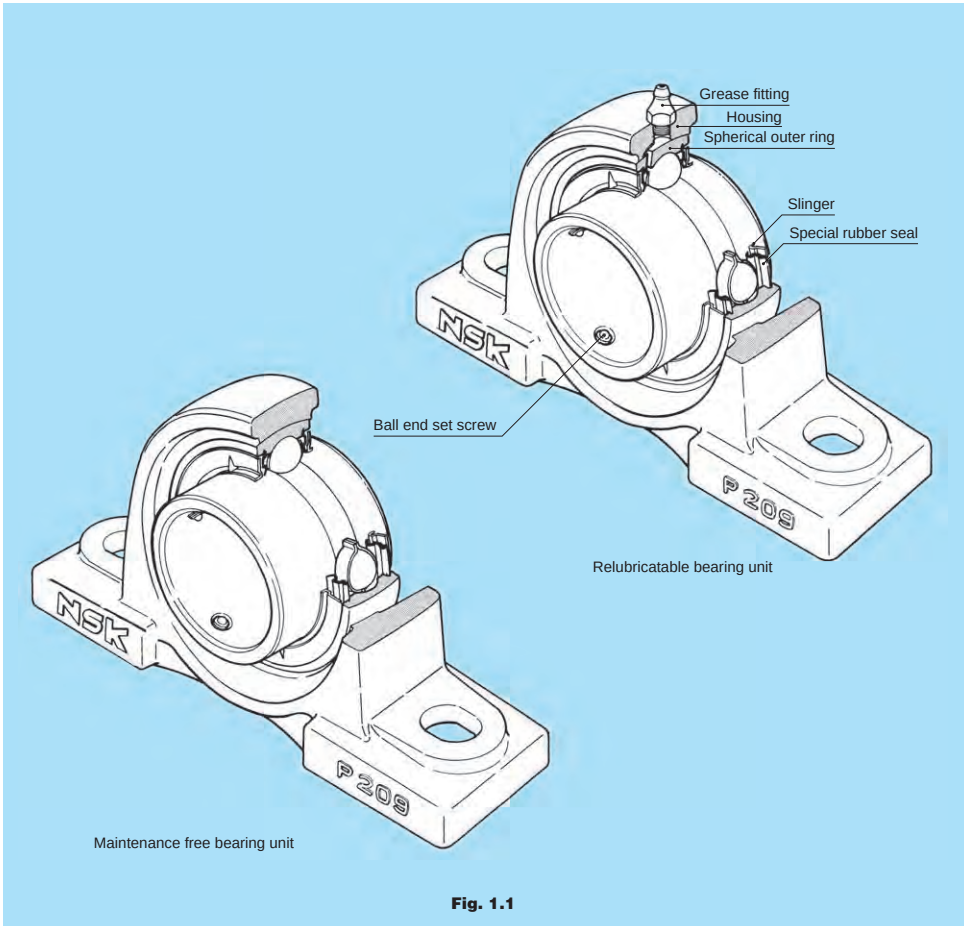



**Fig. 1.1**

# 2. Design Features and Advantages

## 2.1 Maintenance free type

The **NSK** Maintenance free bearing unit contains a high-grade lithium-based grease, good for use over a long period, which is ideally suited to sealed-type bearings. Also provided is an excellent sealing device, which prevents any leakage of grease or penetration of dust and water from outside.

It is designed so that the rotation of the shaft causes the sealed-in grease to circulate through the inside space, effectively providing maximum lubrication. The lubrication effect is maintained over a long period with no need for replenishment of grease.

To summarize the advantages of the **NSK** maintenance free bearing unit:

(1) As an adequate amount of good quality grease is sealed in at the time of manufacture, there is no need for replenishment. This means savings in terms of time and maintenance costs.
(2) Since there is no need for any regreasing facilities, such as piping, a more compact design is possible.
(3) The sealed-in design eliminates the possibility of grease leakage, which could lead to stained products.

## 2.2 Relubricatable type

The **NSK** relubricatable type bearing unit has an advantage over other simillar units being so designed as to permit regreasing even in the case of misalignment of 2° to the right or left. The hole through which the grease fitting is mounted usually causes structural weakening of the housing.

However, as a result of extensive testing, in the **NSK** bearing unit the hole is positioned so as to minimize this adverse effect. In addition, the regreasing groove has been designed to minimize weakening of the housing.

While the **NSK** maintenance free type bearing unit is satisfactory for use under normal operating conditions in-doors, in the following circumstances it is necessary to use the relubricatable type bearing unit:

(1) Cases where the temperature of the bearing rises above 100°C, 212°F:
*-Normal temperature of up to 130°C, 266°F heat-resistant bearing units.
(2) Cases where there is excessive dust, but space does not permit using a bearing unit with a cover.
(3) Cases where the bearing unit is constantly exposed to splashes of water or any other liquid, but space does not permit using a bearing unit with a cover.
(4) Cases in which the humidity is very high, and the machine in which the bearing unit is used is run only intermittently.
(5) Cases involving a heavy load of which the $C_r/P_r$ value is about 10 or below, and the speed is 10 $min^{-1}$ or below, or the movement is oscillatory.
(6) Cases where the number of revolutions is relatively high and the noise problem has to be considered; for example, when the bearing is used with the fan of an air conditioner.

## 2.3 Special sealing feature

### 2.3.1 Standard bearing units

The sealing device of the ball bearing for the **NSK** bearing unit is a combination of a heat-resistant and oil-proof synthetic rubber seal and a slinger of an exclusive design.

The seal, which is fixed in the outer ring, is steel-reinforced, and its lip, in contanct with the inner ring, is designed to minimize frictional torque.

The slinger is fixed to the inner ring of the bearing with which it rotates. There is a small clearance between its periphery and the outer ring.

These two types of seals on both sides of the bearing prevent grease leakage, and foreign matter is prevented from entering the bearing from outside.

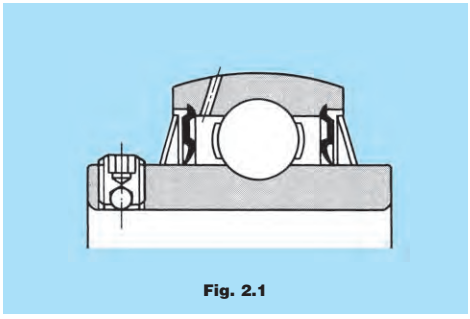


**Fig. 2.1**



### 2.3.2 Bearing units with covers

The **NSK** bearing unit with a cover consists of a standard bearing unit and an outside covering for extra protection against dust. Special consideration has been given to its design with respect to dust-proofing.

Sealing devices are provided in both the bearing and the housing, so that units of this type operate satisfactorily even in such adverse environments as flour mills, steel mills, foundries, galvanizing plants and chemical plants, where excessive dust is produced and/or liquids are used. They are also eminently suitable for outdoor environments where dust and rain are inevitable, and in heavy industrial machinery such as construction and transportation equipment.

The rubber seal of the cover contacts with the shaft by its two lips, as shown in Fig. 2.2 and 2.3 By filling the groove between the two lips with grease, an excellent sealing effect is obtained and, at the same time, the contacting portions of the lips are lubricated. Furthermore, the groove is so designed that when the shaft is inclined the rubber seal can move in the radial direction.

When bearing units are exposed to splashes of water rather than to dust, a drain hole (5 to 8 mm, 0.2 to 0.3 inches in diameter) is provided at the bottom of the cover, and grease should be applied to the side of the bearing itself instead of into the cover.

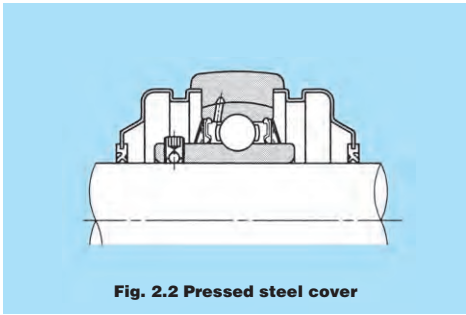


**Fig. 2.2 Pressed steel cover**

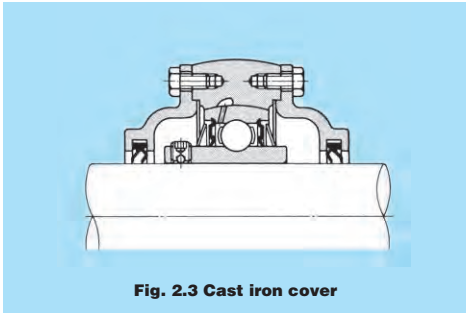


**Fig. 2.3 Cast iron cover**

## 2.4 Secure fitting

Fastening the bearing to the shaft is effected by tightening the ball-end set screw, situated on the inner ring. This is a unique feature which prevents loosening, even if the bearing is subjected to intense vibrations and shocks.

## 2.5 Self-aligning

With the **NSK** bearing unit, the outer surface of the ball bearing and the inner surface of the housing are spherical, thus this bearing unit has self-aligning characteristic. Any misalignment of axis that may arise from poor workmanship on the shaft or errors in fitting will be properly adjusted.

## 2.6 Higher rated load capacity

The bearing used in the unit is of the same internal construction as those in bearing series 62 and 63, and is capable of accommodating axial load as well as radial load, or composite load. The rated load capacity of this bearing is considerably higher than that of the corresponding self-aligning ball bearings used for standard plummer blocks.

## 2.7 Light weight yet strong housing

Housings for **NSK** bearing units come in various shapes. They consist of either high-grade cast iron, one-piece casting, or of precision finished pressed steel, the latter being lighter in weight. In either case, they are practically designed to combine lightness with maximum strength.

## 2.8 Easy mounting

The **NSK** bearing unit is an integrated unit consisting of a bearing and a housing.

As the bearing is prelubricated at manufacture with the correct amount of high-grade lithium base, it can be mounted on the shaft just as it is. It is sufficient to carry out a short test run after mounting.

## 2.9 Accurate fitting of the housing

In order to simplify the fitting of the pillow block and flange type bearing units, the housings are provided with a seat for a dowel pin, which may be utilized as needed.

## 2.10 Bearing replaceability

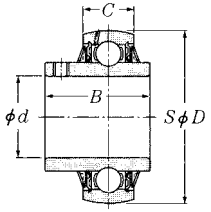
The bearing used in the **NSK** bearing unit is replaceable. In the event of bearing failure, a new bearing can be fitted to the existing housing.

# 3. Tolerance

The tolerances of the **NSK** bearing units are in accordance with the following JIS specifications:

## 3.1 Tolerances of ball bearings for the unit

The tolerances of ball bearings used in the unit are shown in the following tables, 3.1 to 3.4.




Set screw type

**Table 3.1 (1) Cylindrical bore (UC, UCS, AS, ASS, UEL, UELS, AEL, AELS)** Unit: μm/0.0001 inch

| Nominal bore diameter $d$ over | | incl. | | Cylindrical bore: Bore diameter $\Delta_{dmp}$ Deviations | | Cylindrical bore: Bore diameter $V_{dp}$ Variations | Cylindrical bore: Width $\Delta_{Bs}$,$\Delta_{Cs}$ Deviations(reference) | | Radial runout $K_{ia}$ (reference) |
|---|---|---|---|---|---|---|---|---|---|
| mm | inch | mm | inch | high | low | max. | high | low | max. |
| 10 | 0.3937 | 18 | 0.7087 | +15 | 0 | 10 | 0 | −120 | 15 |
| | | | | + 6 | 0 | 4 | 0 | − 47 | 6 |
| 18 | 0.7087 | 31.75 | 1.2500 | +18 | 0 | 12 | 0 | −120 | 18 |
| | | | | + 7 | 0 | 5 | 0 | − 47 | 7 |
| 31.75 | 1.2500 | 50.8 | 2.0000 | +21 | 0 | 14 | 0 | −120 | 20 |
| | | | | + 8 | 0 | 6 | 0 | − 47 | 8 |
| 50.8 | 2.0000 | 80 | 3.1496 | +24 | 0 | 16 | 0 | −150 | 25 |
| | | | | + 9 | 0 | 6 | 0 | − 59 | 10 |
| 80 | 3.1496 | 120 | 4.7244 | +28 | 0 | 19 | 0 | −200 | 30 |
| | | | | +11 | 0 | 7 | 0 | − 79 | 12 |
| 120 | 4.7244 | 180 | 7.0866 | +33 | 0 | 22 | 0 | −250 | 35 |
| | | | | +13 | 0 | 9 | 0 | − 98 | 14 |

**Remarks** Symbols
$\Delta_{dmp}$:Mean bore diameter deviation $V_{dp}$:Bore diameter variation $\Delta_{Bs}$:Inner ring width deviation $\Delta_{Cs}$:Outer ring width deviation

**Table 3.1 (2) Cylindrical bore (AR, JEL, JELS, REL)** Unit: μm/0.0001 inch

| Nominal bore diameter $d$ over | | incl. | | Cylindrical bore diameter: $\Delta_{dmp}$ Deviations | | $V_{dp}$ Variations |
|---|---|---|---|---|---|---|
| mm | inch | mm | inch | high | low | max. |
| 10 | 0.3937 | 18 | 0.7087 | +13 | 0 | 6 |
| | | | | + 5 | 0 | 2 |
| 18 | 0.7087 | 31.75 | 1.2500 | +13 | 0 | 6 |
| | | | | + 5 | 0 | 2 |
| 31.75 | 1.2500 | 50.8 | 2.0000 | +13 | 0 | 6 |
| | | | | + 5 | 0 | 2 |
| 50.8 | 2.0000 | 80 | 3.1496 | +15 | 0 | 8 |
| | | | | + 6 | 0 | 3 |



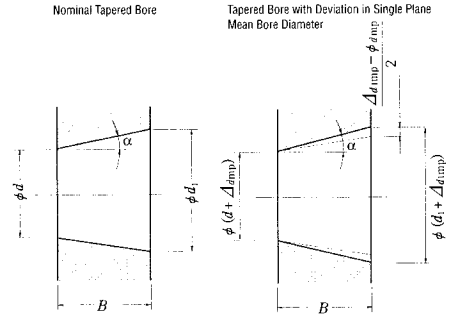
**Table 3.1 (3) Cylindrical bore (CS)** Unit: μm/0.0001 inch

| Nominal bore diameter $d$ over | | incl. | | Cylindrical bore: Bore diameter $\Delta_{dmp}$ Deviations | | Cylindrical bore: Bore diameter $V_{dp}$ Variations | Cylindrical bore: Width $\Delta_{Bs}$,$\Delta_{Cs}$ Deviations(reference) | | Radial runout $K_{ia}$ (reference) |
|---|---|---|---|---|---|---|---|---|---|
| mm | inch | mm | inch | high | low | max. | high | low | max. |
| 10 | 0.3937 | 18 | 0.7087 | 0 | − 8 | 10 | 0 | −120 | 15 |
| | | | | 0 | − 3 | 4 | 0 | − 47 | 6 |
| 18 | 0.7087 | 31.75 | 1.2500 | 0 | −10 | 12 | 0 | −120 | 18 |
| | | | | 0 | − 4 | 5 | 0 | − 47 | 7 |
| 31.75 | 1.2500 | 50.8 | 2.0000 | 0 | −12 | 14 | 0 | −120 | 20 |
| | | | | 0 | − 5 | 6 | 0 | − 47 | 8 |

**Table 3.2 Tapered bore (UK,UKS)** Unit: μm/0.0001 inch

| Nominal bore diameter $d$ over | | incl. | | $\Delta_{dmp}$ Deviations | | $\Delta_{d1mp}-\Delta_{dmp}$ | | $V_{dp}$ (1) |
|---|---|---|---|---|---|---|---|---|
| mm | inch | mm | inch | high | low | max. | min. | max. |
| 18 | 0.7087 | 30 | 1.1811 | +21 | 0 | +21 | 0 | 13 |
| | | | | + 8 | 0 | + 8 | 0 | 5 |
| 30 | 1.1811 | 50 | 1.9685 | +25 | 0 | +25 | 0 | 15 |
| | | | | +10 | 0 | +10 | 0 | 6 |
| 50 | 1.9685 | 80 | 3.1496 | +30 | 0 | +30 | 0 | 19 |
| | | | | +12 | 0 | +12 | 0 | 7 |
| 80 | 3.1496 | 120 | 4.7244 | +35 | 0 | +35 | 0 | 25 |
| | | | | +14 | 0 | +14 | 0 | 10 |
| 120 | 4.7244 | 180 | 7.0866 | +40 | 0 | +40 | 0 | 31 |
| | | | | +16 | 0 | +16 | 0 | 12 |

**Note** (1) To be applied for all radial flat surfaces of tapered hole.
**Remarks** 1. To be applied for tapered holes of 1/12.
2. Symbols of quantity or values



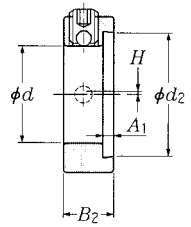

$d$ : Nominal Bore Diameter
$d_1$ : Theoretical Diameter of Larger End of Tapered Bore
$d_1 = d + 1/12\ B$
$\Delta_{dmp}$ : Single Plane Mean Bore Diameter Deviation in Theoretical Diameter of Smaller End of Bore
$\Delta_{d1mp}$ : Single Plane Mean Bore Diameter Deviation in Theoretical Diameter of Larger End of Bore
$V_{dp}$ : Bore diameter variation in a single radial plane
$B$ : Nominal Inner Ring width
$\alpha$ : Half of Taper Angle of Tapered Bore

$\alpha = 2°23'9.4''$
$= 2.38594°$
$= 0.041643$ rad

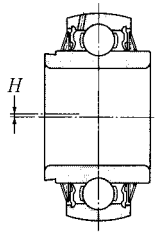
**Table 3.3 Outer ring** Unit: μm/0.0001 inch

| Nominal outside diameter $D$ over mm | over inch | incl. mm | incl. inch | Mean outside diameter deviation $\Delta_{Dm}$ high | $\Delta_{Dm}$ low | Radial runout $K_{ea}$ (reference) max. |
|---|---|---|---|---|---|---|
| 18 | 0.7087 | 30 | 1.1811 | 0 | − 9 | 15 |
| | | | | 0 | − 4 | 6 |
| 30 | 1.1811 | 50 | 1.9685 | 0 | −11 | 20 |
| | | | | 0 | − 4 | 8 |
| 50 | 1.9685 | 80 | 3.1496 | 0 | −13 | 25 |
| | | | | 0 | − 5 | 10 |
| 80 | 3.1496 | 120 | 4.7244 | 0 | −15 | 35 |
| | | | | 0 | − 6 | 14 |
| 120 | 4.7244 | 150 | 5.9055 | 0 | −18 | 40 |
| | | | | 0 | − 7 | 16 |
| 150 | 5.9055 | 180 | 7.0866 | 0 | −25 | 45 |
| | | | | 0 | −10 | 18 |
| 180 | 7.0866 | 250 | 9.8425 | 0 | −30 | 50 |
| | | | | 0 | −12 | 20 |
| 250 | 9.8425 | 315 | 12.4016 | 0 | −35 | 60 |
| | | | | 0 | −14 | 24 |

**Remarks** The low deviation of outside diameter $D_m$ does not apply within the distance of 1/4 the width of the outer ring from the side.



Eccentric locking collar



Eccentric locking collar type

**Table 3.4 Eccentric locking collar** Unit: mm/inch

| Nominal bore diameter $d$ over mm | over inch | incl. mm | incl. inch | Bore diameter deviation $\Delta_{ds}$ high | $\Delta_{ds}$ low | Small bore diameter of eccentric surface deviation $\Delta_{d2s}$ high | $\Delta_{d2s}$ low | Eccentricity deviation $\Delta_{Hs}$ high | $\Delta_{Hs}$ low | Collar width deviation $\Delta_{B2s}$ high | $\Delta_{B2s}$ low | Collar eccentric surface width deviation $\Delta_{A1s}$ high | $\Delta_{A1s}$ low |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 10 | 0.3937 | 36.512 | 1.4375 | +0.250 | +0.025 | +0.3 | 0 | +0.1 | −0.1 | +0.270 | −0.270 | 0 | −0.180 |
| | | | | +0.010 | +0.001 | +0.012 | 0 | +0.004 | −0.004 | +0.011 | −0.011 | 0 | −0.007 |
| 36.512 | 1.4375 | 55.562 | 2.1875 | +0.300 | +0.025 | +0.4 | 0 | +0.1 | −0.1 | +0.330 | −0.330 | 0 | −0.180 |
| | | | | +0.012 | +0.001 | +0.016 | 0 | +0.004 | −0.004 | +0.013 | −0.013 | 0 | −0.007 |
| 55.562 | 2.1875 | 61.912 | 2.4375 | +0.300 | +0.025 | +0.4 | 0 | +0.1 | −0.1 | +0.330 | −0.330 | 0 | −0.220 |
| | | | | +0.012 | +0.001 | +0.016 | 0 | +0.004 | −0.004 | +0.013 | −0.013 | 0 | −0.009 |



## 3.2 Tolerances of housings

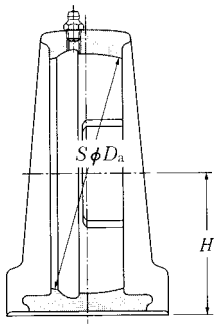
**Table 3.5 Spherical bore diameter of housings** Unit: μm/0.0001 inch

| Nominal spherical bore diameter $D_a$ over mm | over inch | incl. mm | incl. inch | $D_a$ Deviations $\Delta_{Damp}$ Tolerance class H7 high | H7 low | Tolerance class J7 high | J7 low | Tolerance class K7 high | K7 low |
|---|---|---|---|---|---|---|---|---|---|
| 30 | 1.1811 | 50 | 1.9685 | +25 | 0 | +14 | −11 | + 7 | −18 |
| | | | | +10 | 0 | + 6 | − 4 | + 3 | − 7 |
| 50 | 1.9685 | 80 | 3.1496 | +30 | 0 | +18 | −12 | + 9 | −21 |
| | | | | +12 | 0 | + 7 | − 5 | + 4 | − 8 |
| 80 | 3.1496 | 120 | 4.7244 | +35 | 0 | +22 | −13 | +10 | −25 |
| | | | | +14 | 0 | + 9 | − 5 | + 4 | −10 |
| 120 | 4.7244 | 180 | 7.0866 | +40 | 0 | +26 | −14 | +12 | −28 |
| | | | | +16 | 0 | +10 | − 6 | + 5 | −11 |
| 180 | 7.0866 | 250 | 9.8425 | +46 | 0 | +30 | −16 | +13 | −33 |
| | | | | +18 | 0 | +12 | − 6 | + 5 | −13 |
| 250 | 9.8425 | 315 | 12.4016 | +52 | 0 | +36 | −16 | +16 | −36 |
| | | | | +20 | 0 | +14 | − 6 | + 6 | −14 |

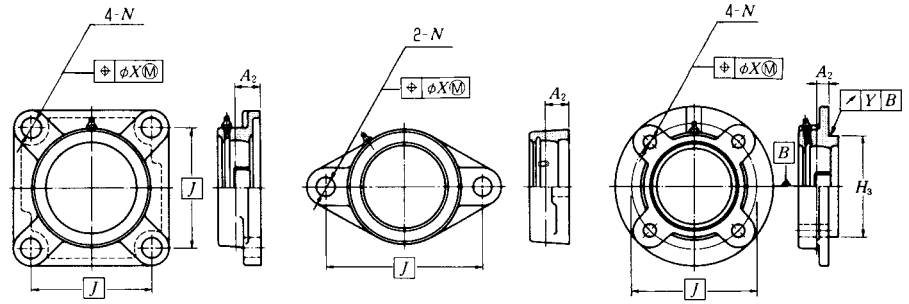
**Remarks** 1.Symbols
$\Delta_{Damp}$:Mean spherical bore diameter deviation
2.Dimensional tolerances for spherical bore diameter of housing are classified as H7 for clearance fit, and J7 for intermediate fit.
3.Spherical bore diameter of housings are finished by following tolerance classes such as 52mm or less : K7, over 52mm and 180mm or less : J7, and over 180mm : H7 respectively.

**Table 3.6 Pillow block housings (P, PL, HP, UP)** Unit: mm/inch

| Housing numbers | | | | | | $H$ Deviations $\Delta_{Hs}$ |
|---|---|---|---|---|---|---|
| P203 | — | — | — | — | — | |
| P204 | — | — | HP204 | UP204 | PL204 | |
| P205 | P305 | PX05 | HP205 | UP205 | PL205 | |
| P206 | P306 | PX06 | HP206 | UP206 | PL206 | ±0.15 |
| P207 | P307 | PX07 | HP207 | UP207 | PL207 | ±0.006 |
| P208 | P308 | PX08 | HP208 | UP208 | — | |
| P209 | P309 | PX09 | HP209 | UP209 | PL209 | |
| P210 | P310 | PX10 | HP210 | UP210 | PL210 | |
| P211 | P311 | PX11 | — | — | — | |
| P212 | P312 | PX12 | — | — | — | |
| P213 | P313 | PX13 | — | — | — | |
| P214 | P314 | PX14 | — | — | — | ±0.2 |
| P215 | P315 | PX15 | — | — | — | ±0.008 |
| P216 | P316 | PX16 | — | — | — | |
| P217 | P317 | PX17 | — | — | — | |
| P218 | P318 | PX18 | — | — | — | |
| — | P319 | — | — | — | — | |
| — | P320 | PX20 | — | — | — | |
| — | P321 | — | — | — | — | |
| — | P322 | — | — | — | — | ±0.3 |
| — | P324 | — | — | — | — | ±0.012 |
| — | P326 | — | — | — | — | |
| — | P328 | — | — | — | — | |




**Remarks** 1.$H$ is height of the shaft center line.
2.This table can be applied for bearing units with dust covers.




(F,FU,FS) (FL,FLU,FB,FD) (FC)

**Table 3.7 (1) Flange unit housings (F,FU,FC,FS,FL,FLU,FB,FD)**

Unit: mm/inch

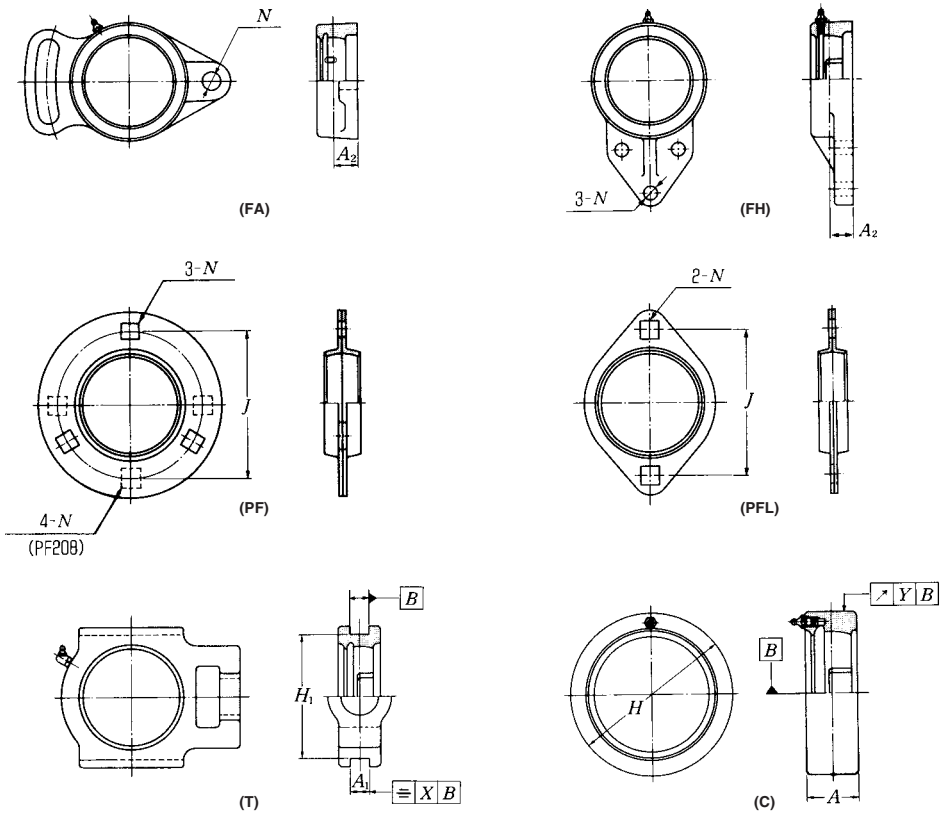
| Housing numbers | | | | | | | | location tolerance of bolt hole X | $A_2$ Deviations $\Delta_{A2s}$ | $H_3$ Deviations $\Delta_{H3s}$ FC2 high | FC2 low | FS3 high | FS3 low | FCX high | FCX low | Radial runout of spigot joint Y |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| — | — | — | — | — | — | — | FD201 | | | | | — | — | — | — | |
| F204 | — | — | FC204 | — | FL204 | — | FD204 | | | 0<br>0 | −0.046<br>−0.0018 | | | | | |
| F205 | F305 | FX05 | FC205 | FS305 | FL205 | FL305 | FD205 | | | | | 0<br>0 | −0.046<br>−0.0018 | 0<br>0 | −0.046<br>−0.0018 | |
| F206 | F306 | FX06 | FC206 | FS306 | FL206 | FL306 | FD206 | 0.7<br>0.028 | ±0.5<br>±0.020 | | | | | | | 0.2<br>0.008 |
| F207 | F307 | FX07 | FC207 | FS307 | FL207 | FL307 | FD207 | | | 0<br>0 | −0.054<br>−0.0021 | 0<br>0 | −0.054<br>−0.0021 | | | |
| F208 | F308 | FX08 | FC208 | FS308 | FL208 | FL308 | — | | | | | | | | | |
| F209 | F309 | FX09 | FC209 | FS309 | FL209 | FL309 | — | | | 0<br>0 | −0.054<br>−0.0021 | | | | | |
| F210 | F310 | FX10 | FC210 | FS310 | FL210 | FL310 | — | | | | | | | | | |
| F211 | F311 | FX11 | FC211 | FS311 | FL211 | FL311 | — | | | | | 0<br>0 | −0.063<br>−0.0025 | | | |
| F212 | F312 | FX12 | FC212 | FS312 | FL212 | FL312 | — | | | | | | | | | |
| F213 | F313 | FX13 | FC213 | FS313 | FL213 | FL313 | — | | | | | | | 0<br>0 | −0.063<br>−0.0025 | |
| F214 | F314 | FX14 | FC214 | FS314 | FL214 | FL314 | — | | | 0<br>0 | −0.063<br>−0.0025 | | | | | 0.3<br>0.012 |
| F215 | F315 | FX15 | FC215 | FS315 | FL215 | FL315 | — | | | | | 0<br>0 | −0.072<br>−0.0028 | | | |
| F216 | F316 | FX16 | FC216 | FS316 | FL216 | FL316 | — | | | | | | | | | |
| F217 | F317 | FX17 | FC217 | FS317 | FL217 | FL317 | — | | | | | | | 0<br>0 | −0.072<br>−0.0028 | |
| F218 | F318 | FX18 | FC218 | FS318 | FL218 | FL318 | — | 1<br>0.039 | ±0.8<br>±0.032 | 0<br>0 | −0.072<br>−0.0028 | | | | | |
| — | F319 | — | — | FS319 | — | FL319 | — | | | | | | | | | |
| — | F320 | FX20 | — | FS320 | — | FL320 | — | | | | | 0<br>0 | −0.081<br>−0.0032 | | | |
| — | F321 | — | — | FS321 | — | FL321 | — | | | | | | | | | 0.4<br>0.016 |
| — | F322 | — | — | FS322 | — | FL322 | — | | | — | — | | | — | — | |
| — | F324 | — | — | FS324 | — | FL324 | — | | | | | 0<br>0 | −0.089<br>−0.0035 | | | |
| — | F326 | — | — | FS326 | — | FL326 | — | | | | | | | | | |
| — | F328 | — | — | FS328 | — | FL328 | — | | | | | | | | | |

**Remarks**
1. $J$ is the bolt hole's center line dimension,and P.C.D. $A_2$ is distance between the center line of spherical bore diameter of the housing and mounting surfaces,and $H_3$ is outside diameter of the spigot joint.
2. Radial runout of spigot joint is applied for flange units with spigot joints.
3. For FU2 and FLU2 types,tolerances for F2 shall be applied.
4. For FCX and FLX types,tolerances for FX shall be applied.
5. This table can be applied for bearing units with dust covers.

**Table 3.7 (2) Flange unit housings (diameter of bolt hole)**

| Housing type | Nominal bore diameter $N$ over mm | over inch | incl. mm | incl. inch | $N$ Deviations $\Delta_{Ns}$ mm | inch |
|---|---|---|---|---|---|---|
| F,FU,FC,FS FA,FH,FLU | — | — | 30 | 1.1811 | ±0.2 | ±0.008 |
| | 30 | 1.1811 | 41 | 1.6142 | ±0.3 | ±0.012 |






(FA) (FH) (PF) (PFL) (T) (C)

**Table 3.8 Flange unit housings (FH,FA,PF,PFL)**

Unit: mm/inch

| Housing numbers | $A_2$ Deviations $\Delta_{A2s}$ | Housing numbers | $J$ Deviations $\Delta_{Js}$ | $N$ Deviations $\Delta_{Ns}$ |
|---|---|---|---|---|
| — | ±0.5<br>±0.020 | PF203 | ±0.4<br>±0.016 | ±0.25<br>±0.010 |
| FH,FA204 | | PF204 | | |
| FH,FA205 | | PF205 | | |
| FH,FA206 | | PF206 | | |
| FH,FA207 | | PF207 | | |
| FH,FA208 | | PF208 | | |
| FH,FA209 | | PFL203 | | |
| FH,FA210 | | PFL204 | | |
| | | PFL205 | | |
| FA211 | ±0.8<br>±0.032 | PFL206 | | |
| | | PFL207 | | |

**Remarks**
1. $A_2$ is distance between the center line of spherical bore diameter of housings.
2. $J$ is the bolt hole's center line dimension.

**Table 3.9 Take-up unit housings (T)** Unit: mm/inch

| Housing numbers | | | $A_1$ Deviations $\Delta_{A1s}$ | $H_1$ Deviations $\Delta_{H1s}$ high | $H_1$ Deviations $\Delta_{H1s}$ low | Parallelism of guide $X$ |
|---|---|---|---|---|---|---|
| T204 | — | — | +0.2<br>0<br>+0.008<br>0 | 0<br>0 | −0.5<br>−0.020 | 0.5<br>0.020 |
| T205 | T305 | TX05 | | | | |
| T206 | T306 | TX06 | | | | |
| T207 | T307 | TX07 | | | | |
| T208 | T308 | TX08 | | | | |
| T209 | T309 | TX09 | | | | |
| T210 | T310 | TX10 | | | | |
| T211 | T311 | TX11 | | | | 0.6<br>0.024 |
| T212 | T312 | TX12 | | | | |
| T213 | T313 | TX13 | | | | |
| T214 | T314 | TX14 | | | | |
| T215 | T315 | TX15 | | | | |
| T216 | T316 | TX16 | | | | |
| T217 | T317 | TX17 | +0.3<br>0<br>+0.012<br>0 | 0<br>0 | −0.8<br>−0.032 | |
| — | T318 | — | | | | |
| — | T319 | — | | | | 0.7<br>0.028 |
| — | T320 | — | | | | |
| — | T321 | — | | | | |
| — | T322 | — | | | | |
| — | T324 | — | | | | 0.8<br>0.032 |
| — | T326 | — | | | | |
| — | T328 | — | | | | |

**Remarks** 1. $A_1$ is the width of guide rail grooves.
2. $H_1$ is the maximum span of guide rail grooves.
3. This table can be applied for bearing units with dust covers.

**Table 3.10 Cartridge unit housings (C)** Unit: mm/inch

| Housing numbers | | | $H$ Deviations $\Delta_{Hs}$ C2 Series high | C2 Series low | C3 Series high | C3 Series low | CX Series high | CX Series low | Radial runout of outside surface $Y$ | $A$ Deviations $\Delta_{As}$ |
|---|---|---|---|---|---|---|---|---|---|---|
| C204 | — | — | 0<br>0 | −0.030<br>−0.0012 | — | — | — | — | 0.2<br>0.008 | ±0.2<br>±0.008 |
| C205 | C305 | CX05 | | | 0<br>0 | −0.035<br>−0.0014 | 0<br>0 | −0.035<br>−0.0014 | | |
| C206 | C306 | CX06 | 0<br>0 | −0.035<br>−0.0014 | | | | | | |
| C207 | C307 | CX07 | | | | | | | | |
| C208 | C308 | CX08 | | | | | 0<br>0 | −0.040<br>−0.0016 | | |
| C209 | C309 | CX09 | | | 0<br>0 | −0.040<br>−0.0016 | | | | |
| C210 | C310 | CX10 | | | | | | | | |
| C211 | C311 | CX11 | 0<br>0 | −0.040<br>−0.0016 | | | | | 0.3<br>0.012 | ±0.3<br>±0.012 |
| C212 | C312 | CX12 | | | | | | | | |
| C213 | C313 | — | | | 0<br>0 | −0.046<br>−0.0018 | — | — | | |
| — | C314 | — | — | — | | | | | | |
| — | C315 | — | | | | | | | | |
| — | C316 | — | | | | | | | | |
| — | C317 | — | | | | | | | | |
| — | C318 | — | | | | | | | | |
| — | C319 | — | | | | | | | | |
| — | C320 | — | | | 0<br>0 | −0.052<br>−0.0020 | | | 0.4<br>0.016 | |
| — | C321 | — | | | | | | | | |
| — | C322 | — | | | | | | | | |
| — | C324 | — | | | | | | | | |
| — | C326 | — | | | 0<br>0 | −0.057<br>−0.0022 | | | | |
| — | C328 | — | | | | | | | | |

**Remarks** 1. $H$ is the outside diameter of cartridge housings.
2. $A$ is width of cartridge housings.



# 4. Basic Load Rating and Life

## 4.1 Bearing life

Even in bearings operating under normal conditions, the surfaces of the raceway and rolling elements are constantly being subjected to repeated compressive stresses which cause flaking of these surfaces to occur. This flaking is due to material fatigue and will eventually cause the bearings to fail. The effective life of a bearing is usually defined in terms of the total number of revolutions a bearing can undergo before flaking of either the raceway surface or the rolling element surfaces occurs.

Other causes of bearing failure are often attributed to problems such as seizing, abrasions, cracking, chipping, gnawing, rust, etc. However, these so called "causes" of bearing failure are usually themselves caused by improper installation, insufficient or improper lubrication, faulty sealing or inaccurate bearing selection. Since the above mentioned "cause" of bearing failure can be avoided by taking the proper precautions, and are not simply caused by material fatigue, they are considered separately from the flaking aspect.

## 4.2 Basic rated life and basic dynamic load rating

A group of seemingly identical bearings when subjected to identical load and operating conditions will exhibit a wide diversity in their durability.

This "life" disparity can be accounted for by the difference in the fatigue of the bearing material itself. This disparity is considered statistically when calculating bearing life, and the basic rated life is defined as follows.

The basic rated life is based on a 90% statistical model which is expressed as the total number of revolutions 90% of the bearings, in an identical group of bearings subjected to identical operating conditions, will attain or surpass before flaking due to material fatigue occurs. For bearings operating at fixed constant speeds, the basic rated life (90% reliability) is expressed in the total number of hours of operation.

The basic dynamic load rating is an expression of the load capacity of a bearing based on a constant load which the bearing can sustain for one million revolutions (the basic life rating). For radial bearings this rating applies to pure radial loads, and for thrust bearings it refers to pure axialloads. The basic dynamic load ratings given in the bearing tables of this catalog are for bearings constructed of standard bearing materials, using standard manufacturing techniques. Please consult **NSK** for basic load ratings of bearings constructed of special materials or using special manufacturing techniques.

The relationship between the basic rated life, the basic dynamic load rating and the bearing load is given in formula (4.1).

$$L_{10} = \left(\frac{C_r}{P_r}\right)^3 \cdots\cdots (4.1)$$

where,
$L_{10}$: Basic rated life $10^6$ revolutions
$C_r$: Basic dynamic rated load, N, lbf
$P_r$: Equivalent dynamic load, N, lbf

The basic rated life can also be expressed in terms of hours of operation (revolution), and is calculated as shown in formula (4.2).

$$L_{10h} = 500 f_h^3 \cdots\cdots (4.2)$$

$$f_h = f_n \frac{C_r}{P_r} \cdots\cdots (4.3)$$

$$f_n = \left(\frac{33.3}{n}\right)^{1/3} \cdots\cdots (4.4)$$

where,
$L_{10h}$: Basic rated life, h
$f_h$: Life factor
$f_n$: Speed factor
$n$: Rotational speed, $min^{-1}$

Formula (4.2) can also be expressed as shown in formula (4.5).

$$L_{10h} = \frac{10^6}{60n}\left(\frac{C_r}{P_r}\right)^3 \cdots\cdots (4.5)$$

The relation between rotational speed $n$ and speed factor $f_n$ as well as the relation between the basic rated life $L_{10h}$ and the life factor $f_h$ is shown in Fig. 4.1.

When several bearings are incorporated in machines or equipment as complete units, all the bearings in the unit are considered as a whole when computing bearing life (see formula 4.6). The total bearing life of the unit is a life rating based on the viable lifetime of the unit before even one of the bearings fails due to rolling contact fatigue.

$$L = \frac{1}{\left(\frac{1}{L_1^{1.1}} + \frac{1}{L_2^{1.1}} + \cdots\cdots + \frac{1}{L_n^{1.1}}\right)^{1/1.1}} \quad \cdots\cdots\cdots(4.6)$$

where,
$L$ :Total life of the whole bearing assembly,h
$L_1$, $L_2$, $\cdots$ $L_n$: Rated life of bearings 1, 2,$\cdots$ $n$, h

In the case where load and the number of revolutions change at regulated intervals, after finding the rated life $L_1$, $L_2$, $\cdots$, $L_n$ under conditions of $n_1$, $P_1$: $n_2$, $P_2$: $\cdots$ $n_n$, $P_n$: the built-in life $L_m$ can be given by the formula (4.7).

$$L_1 = \frac{10^6}{60n_1}\left(\frac{C_r}{P_1}\right)^3$$
$$L_2 = \frac{10^6}{60n_2}\left(\frac{C_r}{P_1}\right)^3$$
$$\vdots$$
$$L_n = \frac{10^6}{60n_n}\left(\frac{C_r}{P_n}\right)^3$$
$$L_m = \left(\frac{\Phi_1}{L_1} + \frac{\Phi_2}{L_2} + \cdots\cdots + \frac{\Phi_n}{L_n}\right)^{-1} \quad \cdots\cdots\cdots(4.7)$$

where,
$L_1$, $L_2$, $\cdots$ $L_n$: Rated life under condition 1, 2,$\cdots$ $n$, h
$n_1$, $n_2$, $\cdots$ $n_n$ : Number of revolutions under condition 1, 2, $\cdots$ $n$, $min^{-1}$
$P_1$, $P_2$, $\cdots$ $P_n$ : Equivalent load under condition 1, 2, $\cdots$ $n$, N, lbf
$\Phi_1$, $\Phi_2$, $\cdots\Phi_n$: Ratio of condition 1, 2, $\cdots$ $n$ accounting for the total operating time
$L_m$ : Built-in life, h

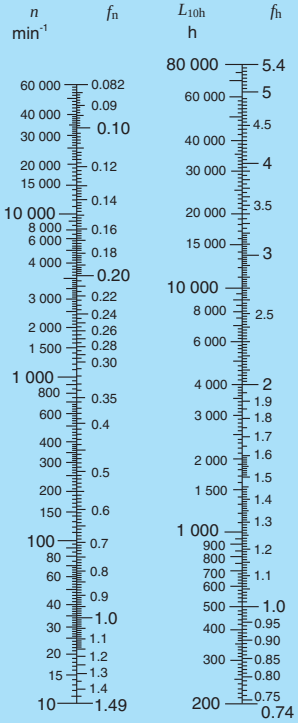



**Fig. 4.1 Bearing life rating scale**

**Table 4.1 Rating life for applications**

| Service classification | Machine application | Life time $L_n$ |
|---|---|---|
| Machines used occasionally | Door mechanisms,Garage shutter | 500 |
| Equipment for short period or intermittent service-interruption permissible | Household appliances,Electric hand tools, Agricultural machines,Lifting tackles in shops | 4 000 to 8 000 |
| Intermittent service machines-high reliability | Power-Station auxiliary equipment,Elevators, Conveyors,Deck cranes | 8 000 to 14 000 |
| Machines used for 8 hours a day,but not always in full operation | Ore wagon axles,important gear units | 14 000 to 20 000 |
| Machines fully used for 8 hours | Blowers,General machinery in shops,Continuous operation cranes | 20 000 to 30 000 |
| Machines continuously used for 24 hours a day | Compressors,Pumps | 50 000 to 60 000 |
| Machines continuously used for 24 hours a day with maximum reliability | Power-station equipment,Water-supply equlpment for urban areas,Mine ventilators | 100 000 to 200 000 |



## 4.3 Basic static load rating

When stationary rolling bearings are subjected to static loads, they suffer from partial permanent deformation of the contact surfaces at the contact point between the rolling elements and the raceway. The amount of deformity increases as the load increases, and if this increase in load exceeds certain limits, the subsequent smooth operation of the bearing is impaired.

It has been found through experience that a permanent deformity of 0.0001 times the diameter of the rolling element, occurring at the most heavily stressed contact point between the raceway and the rolling elements, can be tolerated without any impairment in running efficiency.

The basic rated static load refers to a fixed static load limit at which a specified amount of permanent deformation occurs. It applies to pure radial loads for radial bearings. The maximum applied load values for contact stress occurring at the rolling element and raceway contact points are given below.

For ball bearings (for bearing unit): 4 200 $MP_a$

## 4.4 Allowable static equivalent load

Generally the static equivalent load which can be permitted is limited by the basic static rated load as stated in Section 4.3. However, depending on requirements regarding friction and smooth operation, these limits may be greater or lesser than the basic static rated load.

In the following formula (4.8) and Table 4.2 the safety factor $S_o$ can be determined considering the maximum static equivalent load.

$$S_0 = \frac{C_0}{P_{0\,max}} \quad \cdots\cdots\cdots(4.8)$$

where,
$S_0$ : Safety factor
$C_0$ : Basic static rated load, N, lbf
$P_{0\,max}$ : Maximum static equivalent load, N, lbf

**Table 4.2 Minlmum safety factor values $S_0$**

| Operating conditions | Ball bearings |
|---|---|
| High rotational accuracy demand | 2 |
| Normal rotating accuracy demand (Universal application) | 1 |
| Siight rotational accuracy deterioration permitted (Lcw speed,heavy loading,etc.) | 0.5 |

**Remarks** When vibration and/or shock loads are present, a load factor based on the shock load needs to be included in the $P_{0\,max}$ value.

# 5. Bearing Internal Clearance

## 5.1 Bearing internal clearance

Bearing internal clearance(initial clearance)is the amount of internal clearance a bearing has before being installed on a shaft or in a housing.

As shown in Fig. 5.1, when either the inner ring or the outer ring is fixed and the other ring is free to move, displacement can take place in either an axial or radial direction. This amount of displacement (radially or axially) is termed the internal clearance and, depending on the direction, is called the radial internal clearance or the axial internal clearance.

When the internal clearance of a bearing is measured, a slight measurement load is applied to the raceway so the internal clearance may be measured accurately. However, at this time, a slight amount of elastic deformation of the bearing occurs under the measurement load, and the clearance measurement value (measured clearance) is slightly larger than the true clearance. This discrepancy between the true bearing clearance and the increased amount due to the elastic deformation must be compensated for. These compensation values are given in Table 5.1.

The internal clearance values for each bearing class are shown in Tables 5.3.

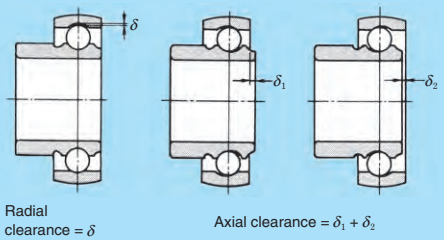



**Fig.5.1 internal clearance**

**Table 5.1 Adjustment of radial internal clearance based on measured load**

Unit μm

| Nominal Bore Diameter $d$ (mm) | | Measuring Load (N) | Radial Clearance Increase | | | | |
|---|---|---|---|---|---|---|---|
| over | incl. | | C2 | CN | C3 | C4 | C5 |
| 10 | 18 | 24.5 | 3 to 4 | 4 | 4 | 4 | 4 |
| 18 | 50 | 49 | 4 to 5 | 5 | 6 | 6 | 6 |
| 50 | 200 | 147 | 6 to 8 | 8 | 9 | 9 | 9 |

## 5.2 Internal clearance selection

The internal clearance of a bearing under operating conditions (effective clearance) is usually smaller than the same bearing's initial clearance before being installed and operated. This is due to several factors including bearing fit, the difference in temperature between the inner and outer rings, etc. As a bearing's operating clearance has an effect on bearing life, heat generation, vibration, noise, etc.; care must be taken in selecting the most suitable operating clearance.

Effective internal clearance:

The internal clearance differential between the initial clearance and the operating (effective) clearance (the amount of clearance reduction caused by interference fits, or clearance variation due to the temperature difference between the inner and outer rings) can be calculated by the following formula:

$$\delta_{eff} = \delta_o - (\delta_f + \delta_t) \quad \cdots\cdots (5.1)$$

where,

$\delta_{eff}$ : Effective internal clearance, mm
$\delta_o$ : Bearing internal clearance, mm
$\delta_f$ : Reduced amount of clearance due to interference, mm
$\delta_t$ : Reduced amount of clearance due to temperature differential of inner and outer rings, mm

Reduced clearance due to interference:

When bearings are installed with interference fits on shafts and in housings, the inner ring will expand and the outer ring will contract; thus reducing the bearings' internal clearance. The amount of expansion or contraction varies depending on the shape of the bearing, the shape of the shaft or housing, dimensions of the respective parts, and the type of materials used. The differential can range from approximately 70% to 90% of the effective interference.

$$\delta_f = (0.70 \text{ to } 0.90) \cdot \Delta d_{eff} \quad \cdots\cdots (5.2)$$

where,

$\delta_f$ : Reduced amount of clearance due to interference,mm
$\Delta d_{eff}$ : Effective interference,mm

Reduced internal clearance due to inner/outer ring temperature difference:

During operation, normally the outer ring will be from 5° to 10°C cooler than the inner ring or rotating parts. However,if the cooling effect of the housing is large, the shaft is connected to a heat source, or a heated substance is conducted through the hollow shaft; the temperature difference between the two rings can be ever greater. The amount of internal clearance is thus further reduced by the differential expansion of the two rings.

$$\delta_t = \alpha \cdot \Delta_T \cdot D_o \quad \cdots\cdots (5.3)$$

where,

$\delta_t$ : Amount of reduced clearance due to heat differential, mm
$\alpha$ : Bearing steel linear expansion coefficient $12.5\times10^{-6}$/°C
$\Delta_T$ : Inner/outer ring temperature differential,°C
$D_o$ : Outer ring raceway diameter,mm

Outer ring raceway diameter, $D_o$, values can be approximated by using formula 5.4.

For ball bearings,

$$D_o = 0.20(d+4.0D) \quad \cdots\cdots (5.4)$$

where,

$d$ : Bearing bore diameter, mm
$D$ : Bearing outside diameter, mm

## 5.3 Bearing internal clearance selection standards

Theoretically, in regard to bearing life, the optimum operating internal clearance for any bearing would be a slight negative clearance after the bearing had reached normal operating temperature.

Unfortunately, under actual operating conditions, maintaining such optimum tolerances is often difficult at best. Due to various fluctuating operating conditions this slight minus clearance can quickly become a large minus, greatly lowering the life of the bearing and causing excessive heat to be generated. Therefore, an initial internal clearance which will result in a slightly greater than negative internal operating clearance should be selected.

Under normal operating conditions (e.g. normal load, fit, speed, temperature, etc.), a standard internal clearance will give a very satisfactory operating clearance.

Table 5.2 lists non-standard clearance recommendations for various applications and operating conditions.

**Table 5.2 Examples of applications where bearing clearances other than normal clearance are used**

| Operating conditions | Appilcations | Selected clearance |
|---|---|---|
| Shaft is heated and housing is cooled. | Conveyor of casting machine | C5 |
| Shaft or inner ring is heated. | Annealing pit,Drying pit,Curing pit | C4 |
| Allows for shaft deflection and fitting errors. | Disc harrows | C4 |
| | Combines | C3 |
| Tight-fitted for both inner and outer rings. | Large blowers | C3 |
| To reduce noise and vibration when rotating. | Multi-wing fan of air conditioners | C2 |

**Table 5.3(1)Cylindrical bore bearings** Unit: μm/0.0001 inch

| Nominal bore diameter d over mm | over inch | incl. mm | incl. inch | Radial internal clearance C2 min. | C2 min. | C2 max. | C2 max. | CN min. | CN min. | CN max. | CN max. | C3 min. | C3 min. | C3 max. | C3 max. | C4 min. | C4 min. | C4 max. | C4 max. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 10 | 0.3937 | 18 | 0.7087 | 0 | 0 | 9 | 4 | 3 | 1 | 18 | 7 | 11 | 4 | 25 | 10 | 18 | 7 | 33 | 13 |
| 18 | 0.7087 | 24 | 0.9449 | 0 | 0 | 10 | 4 | 5 | 2 | 20 | 8 | 13 | 5 | 28 | 11 | 20 | 8 | 36 | 14 |
| 24 | 0.9449 | 30 | 1.1811 | 1 | 0 | 11 | 4 | 5 | 2 | 20 | 8 | 13 | 5 | 28 | 11 | 23 | 9 | 41 | 16 |
| 30 | 1.1811 | 40 | 1.5748 | 1 | 0 | 11 | 4 | 6 | 2 | 20 | 8 | 15 | 6 | 33 | 13 | 28 | 11 | 46 | 18 |
| 40 | 1.5748 | 50 | 1.9685 | 1 | 0 | 11 | 4 | 6 | 2 | 23 | 9 | 18 | 7 | 36 | 14 | 30 | 12 | 51 | 20 |
| 50 | 1.9685 | 65 | 2.5591 | 1 | 0 | 15 | 6 | 8 | 3 | 28 | 11 | 23 | 9 | 43 | 17 | 38 | 15 | 61 | 24 |
| 65 | 2.5591 | 80 | 3.1496 | 1 | 0 | 15 | 6 | 10 | 4 | 30 | 12 | 25 | 10 | 51 | 20 | 46 | 18 | 71 | 28 |
| 80 | 3.1496 | 100 | 3.9370 | 1 | 0 | 18 | 7 | 12 | 5 | 36 | 14 | 30 | 12 | 58 | 23 | 53 | 21 | 84 | 33 |
| 100 | 3.9370 | 120 | 4.7244 | 2 | 1 | 20 | 8 | 15 | 6 | 41 | 16 | 36 | 14 | 66 | 26 | 61 | 24 | 97 | 38 |
| 120 | 4.7244 | 140 | 5.5118 | 2 | 1 | 23 | 9 | 18 | 7 | 48 | 19 | 41 | 16 | 81 | 32 | 71 | 28 | 114 | 45 |

**Remarks** Heat-resistant bearings with suffix HT2 have C4 clearances.

**Table 5.3(2)Tapered bore bearings** Unit: μm/0.0001 inch

| Nominal bore diameter d over mm | over inch | incl. mm | incl. inch | Radial internal clearance C2 min. | C2 min. | C2 max. | C2 max. | CN min. | CN min. | CN max. | CN max. | C3 min. | C3 min. | C3 max. | C3 max. | C4 min. | C4 min. | C4 max. | C4 max. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 24 | 0.9449 | 30 | 1.1811 | 5 | 2 | 20 | 8 | 13 | 5 | 28 | 11 | 23 | 9 | 41 | 16 | 30 | 12 | 53 | 21 |
| 30 | 1.1811 | 40 | 1.5748 | 6 | 2 | 20 | 8 | 15 | 6 | 33 | 13 | 28 | 11 | 46 | 18 | 40 | 16 | 64 | 25 |
| 40 | 1.5748 | 50 | 1.9685 | 6 | 2 | 23 | 9 | 18 | 7 | 36 | 14 | 30 | 12 | 51 | 20 | 45 | 18 | 73 | 29 |
| 50 | 1.9685 | 65 | 2.5591 | 8 | 3 | 28 | 11 | 23 | 9 | 43 | 17 | 38 | 15 | 61 | 24 | 55 | 22 | 90 | 35 |
| 65 | 2.5591 | 80 | 3.1496 | 10 | 4 | 30 | 12 | 25 | 10 | 51 | 20 | 46 | 18 | 71 | 28 | 65 | 26 | 105 | 41 |
| 80 | 3.1496 | 100 | 3.9370 | 12 | 5 | 36 | 14 | 30 | 12 | 58 | 23 | 53 | 21 | 84 | 33 | 75 | 30 | 120 | 47 |
| 100 | 3.9370 | 120 | 4.7244 | 15 | 6 | 41 | 16 | 36 | 14 | 66 | 26 | 61 | 24 | 97 | 38 | 90 | 35 | 140 | 55 |
| 120 | 4.7244 | 140 | 5.5118 | 18 | 7 | 48 | 19 | 41 | 16 | 81 | 32 | 71 | 28 | 114 | 45 | 105 | 41 | 160 | 63 |



# 6.Lubrication

As bearings in **NSK** bearing units have sufficient high-grade grease sealed in at the time of manufacture, there is no need for replenishment while in use. The amount of grease necessary for lubrication is, in general, very small. With the **NSK** bearing units, the amount of grease occupies about a half to a third of the space inside the bearing.

## 6.1 Maximum permissible speed of rotation

The maximum speed possible while ensuring the safety and long life of ball bearings used in the unit is limited by their size, the circumferential speed at the point where the seal comes into contact, and the load acting on them.

To indicate the maximum speed permissible, it is customary to use the value of $dn$ or $d_m n$($d$ is the bore of the bearing; $d_m$ is the diameter of the pitch circle=(I.D.+O.D.) /2; $n$ is the number of revolutions).

Problem connected with the lubrication of bearings are the generation of heat and seizures occurring at the sliding parts inside the bearing, in particular at the points where the ball is in contact with the retainer, inner and outer rings. The contact pressure at the points where friction occurs on the retainer is only slightly affected by the load acting on the bearing; the amount of heat generated there is approximately in proportion to the sliding velocity. Therefore, this sliding velocity serves as a yardstick to measure the limit of the rotating speed of the bearing. In the case of a bearing unit, however, there is another large factor that has to be taken into account— the circumferential speed at the part where the seal is in contact.

The graph in Fig.6.1 indicates the maximum speed of rotation permissible, talking into account the aforementioned factors.

There are two common methods of locking the bearing unit onto the shaft— the set screw system and the eccentric collar system. However, in both of these systems high-speed operation will cause deformation of the inner ring, which may result in vibration of the bearing. For high-speed operation, therefore, it is recommended that an interference fit or a clearance fit with a near-zero clearance be used.

For standard bearing units with the contact type seal, the maximum speed permissible is 120 000/$d$. Where a higher speed is required, bearing units with the non-contact type seal, are advised. Please contact **NSK** regarding the use of the latter type. Additionally, it is necessary that the surface on which the housing is mounted be finished to as a high a degree of accuracy as possible. A regularity of within ±0.05mm, ±0.002inch is required.

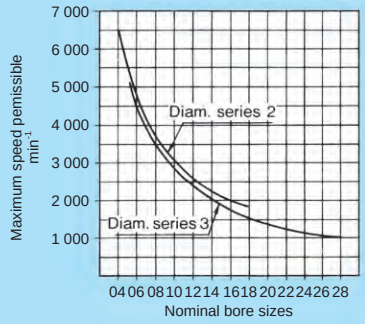



**Fig. 6.1**

## 6.2 Replenishment of grease

### 6.2.1 Sealed-in grease

With **NSK** bearing units, no relubrication is the general rule. The standard self-lubricating type of bearing units contain high-grade lithium-based grease which, being suitable for long-term use, is ideal for sealed-type bearings. Relubrication, therefore, is unnecessary under most operating conditions.

At high temperatures, or where there is exposure to: water or excessive dust, the highest quality grease is essential. Therefore. **NSK** uses its own specially selected brands which are shown in Table 6.1. It is necessary to use the same brand when replenishing grease.

**Table 6.1 Brands of grease used in NSK bearing units**

| Bearing units | Grease | | | Symbols | Operating temperature range °C,°F |
|---|---|---|---|---|---|
| | Name of grease | Thickening agent | Base oil | | |
| Standard | Alvania grease S3 | Li soap | Mineral oil | D1 | -10°to +100°C,(+14°to +212°F). |
| Heat-resistant | SH44MT | Li soap | Silicone oil | HT2D1 | Nomal temp.to + 130°C(266°F). |
| Cold-resistant | SH33L | Li soap | Silicone oil | CT1D1 | -60°C(-76°F)to nomal temp. |

### 6.2.2 Mixing of different kinds of grease

Whether or not different kinds of grease may be mixed usually depends on their thickeners. The commonly used criteria are shown in Table 6.2. Properties which are most susceptible to influences from mixing are viscosity, dropping point and penetration. Water and heat resisting properties as well as mechanical stability are also lowered. Therefore, when mixing in a grease which is different to that which is already in use, it is essential that the thickener (soap base) and the base oil be of the same group.

When relubricating **NSK** bearing units, it is advisable to use the brands of grease shown in Table 6.1

**Table 6.2 Mixing properties of grease**

| Soap base | Ca | Na | Al | Ba | Li |
|---|---|---|---|---|---|
| Ca | ○ | △ | △ | × | △ |
| Na | △ | ○ | △ | × | × |
| Al | △ | △ | ○ | × | × |
| Ba | × | × | × | ○ | × |
| Li | △ | × | × | × | ○ |

○ Mixing will not produce any appreciable change of properties.
△ Mixing may produce considerable variations of properties.
× Mixing will cause a drastic change of properties.

### 6.2.3 Relubrication frequency

Relubrication frequency varies with the kind and quality of grease used as well as the operating conditions. Therefore, it is difficult to establish a general rule, but under ordinary operating conditions, it is desirable that grease be replenished before one third (1/3) of its calculated life elapses. It is necessary, however, to take into consideration such factors as hardening of grease in the oil hole, making replenishment impossible; deterioration of grease while operation of the machine is suspended, and so forth.

In Table 6.3 below are shown standard relubrication frequencies. Irrespective of the calculated life of the grease, this list takes into consideration such factors as the rotational speed of the bearings, operating temperatures and environmental conditions, with a view to safety.

### 6.2.4 Re-greasing

The performance of a bearing is greatly influenced by the quantity of grease. In order to avoid over-filling, it is advisable to replenish the grease while the machine is in operation.

Continue to insert grease until a little oozes out from between the outer ring raceway and the periphery of the slinger, for optimum performance.

**Table 6.3 Standard relubrication frequencies**

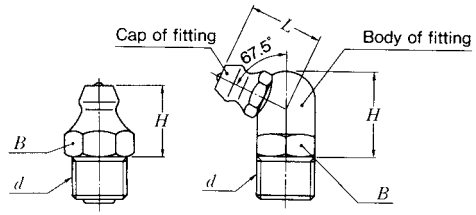
| Type of unit | Symbol | *dn* Value | Environmental conditions | Operating temp.°C,°F | Relubrication frequency | |
|---|---|---|---|---|---|---|
| | | | | | Hours | Period |
| Standard | D1 | 40 000 and below | Ordinary | −10 to +80, +14 to +176 | 1 500 to 3 000 | 6 to 12 mo. |
| Standard | D1 | 70 000 and below | Ordinary | −10 to +80, +14 to +176 | 1 000 to 2 000 | 3 to 6 mo. |
| Standard | D1 | 70 000 and below | Ordinary | +80 to +100, +176 to +212 | 500 to 700 | 1 mo. |
| Heat-resistant | HT2D1 | 70 000 and below | Ordinary | +100 to +130, +212 to +266 | 300 to 700 | 1 mo. |
| Cold-resistant | CT1D1 | 70 000 and below | Ordinary | −60 to +80, −76 to +176 | 1 000 to 2 000 | 3 to 6 mo. |
| Standard | D1 | 70 000 and below | Very dusty | −10 to +100, +14 to +212 | 100 to 500 | 1 wk.to 1 mo. |
| Standard | D1 | 70 000 and below | Exposed to water splashes | −10 to +100, +14 to +212 | 30 to 100 | 1 day to 1 wk. |



## 6.3 Grease fitting

**NSK** bearing units are, as a general rule, provided with a grease fitting, as shown in Table 6.4, and a grease gun is used for regreasing. However, button-head and pin types may also be furnished on demand.

Grease fitting dimensions and the designation of applicable bearing units are given in Table 6.5.




GA type GB type

**Table 6.4 Grease fitting types available for bearing units.**

| Types of housing | Standard grease fitting types |
|---|---|
| Pillow type | GA type |
| Flange type | GA type |
| Take-up type | GB type |
| Hanger type | GA type |
| Cartridge type | GA type |

**Table 6.5 Grease fitting dimensions and designations of applicable bearing units**

GA type(Vertical type)

| Designation | *d* | *H* | | *B* | |
|---|---|---|---|---|---|
| | | mm | inch | mm | inch |
| GA-¼-28 UNF | ¼-28 UNF | 8.5 | 0.335 | 7 | 0.276 |
| GA-PF⅛ | G⅛ | 12 | 0.472 | 10 | 0.394 |
| GA-PF¼ | G¼ | 14 | 0.551 | 14 | 0.551 |

GB type(67.5°)

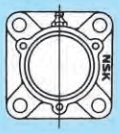
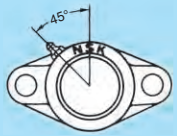
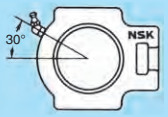
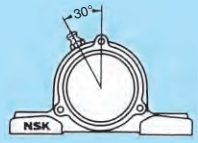
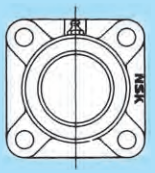
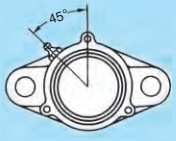
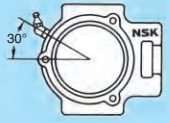
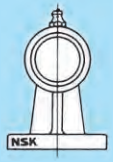
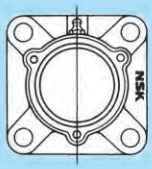
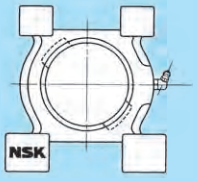
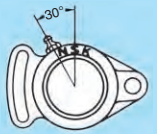
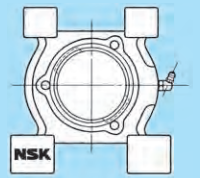
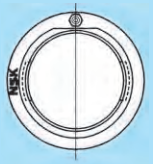
| Designation | *d* | *H* | | *L* | | *B* | |
|---|---|---|---|---|---|---|---|
| | | mm | inch | mm | inch | mm | inch |
| GB-¼-28UNF | ¼-28 UNF | 10.5 | 0.413 | 9.3 | 0.366 | 8 | 0.315 |
| GB-PF⅛ | G⅛ | 14.2 | 0.559 | 13.5 | 0.531 | 10 | 0.394 |
| GB-PF¼ | G¼ | 15 | 0.591 | 13.5 | 0.531 | 14 | 0.551 |

| Nominal screw size *d* | Series 2 | Series X | Series 3 |
|---|---|---|---|
| ¼-28 UNF | 203 - 209 | X05 - X08 | 305 - 309 |
| G⅛ | 210 - 215 | X09 - X14 | 310 - 315 |
| G¼ | 216 - 218 | X15 - X20 | 316 - 328 |

**Remarks** Screw size for the cartridge type is ¼-28 UNF.
That for C310D1 to C328D1 is G⅛(PF⅛).

### 6.4 standard location of the grease fitting

Standard location of grease fitting on the housing for the relubricatable bearing units of each type is illustrated below.

| | | | |
|---|---|---|---|
|  |  |  |  |
| P, PL, Z-P, type | C-F type | FL, FLU, Z-FL type | T, Z-T type |
|  |  F, FU, Z-F (#204, #205) |  |  |
| C-P type | FS type | C-FL type | C-T type |
|  |  |  |  |
| HP type | C-FS type | FH type | M, L, Z-M, Z-L type |
|  |  |  |  |
| UP type | FC, Z-FC type | FA type | C-M, C-L type |
|  Except (#204, #205) |  |  |  |
| F, FU, Z-F type | C-FC type | HB type | C type |



# 7. Recommended Torques for Tigtening Set Screws

**Table 7.1 Recommended torques for tightening set screws**

A)Metric series,applied to metric bore size.

| Designation of the bearings of applicable units | | | Designation of set screws | Tightening torques N·m(max.) |
|---|---|---|---|---|
| UC201 to UC205 | — | — | M 5×0.8 × 7 | 3.9 |
| UC206 | — | UC305 to UC306 | M 6×0.75 × 8 | 4.9 |
| UC207 | UCX05 | — | M 6×0.75 × 8 | 5.8 |
| UC208 to UC210 | — | — | M 8×1 ×10 | 7.8 |
| UC211 | UCX06 to UCX08 | UC307 | M 8×1 ×10 | 9.8 |
| UC212 | UCX09 | — | M10×1.25 ×12 | 16.6 |
| UC213 to UC215 | — | UC308 to UC309 | M10×1.25 ×12 | 19.6 |
| UC216 | UCX10 | — | M10×1.25 ×12 | 22.5 |
| — | UCX11 to UCX12 | — | M10×1.25 ×12 | 24.5 |
| UC217 to UC218 | UCX13 to UCX15 | UC310 to UC314 | M12×1.5 ×13 | 29.4 |
| — | UCX16 to UCX17 | — | M12×1.5 ×13 | 34.3 |
| — | UCX18 | UC315 to UC316 | M14×1.5 ×15 | 34.3 |
| — | UCX20 | UC317 to UC319 | M16×1.5 ×18 | 53.9 |
| — | — | UC320 to UC324 | M18×1.5 ×20 | 58.8 |
| — | — | UC326 to UC328 | M20×1.5 ×25 | 78.4 |

B)Inch series,applied to inch bore size.

| Designation of the bearings for the unit to which torques given are applicable | | | Designation of set screws | Tightening torques lbf·inch(max.) |
|---|---|---|---|---|
| UC201 to UC205 | — | — | No.10-32UNF | 34 |
| UC206 | — | UC305 to UC306 | 1/4-28UNF | 43 |
| UC207 | UCX05 | — | 1/4-28UNF | 52 |
| UC208 to UC210 | — | — | 5/16-24UNF | 69 |
| UC211 | UCX06 to UCX08 | UC307 | 5/16-24UNF | 86 |
| UC212 | UCX09 | — | 3/8-24UNF | 147 |
| UC213 to UC215 | — | UC308 to UC309 | 3/8-24UNF | 173 |
| UC216 | UCX10 | — | 3/8-24UNF | 199 |
| — | UCX11 to UCX12 | — | 3/8-24UNF | 216 |
| UC217 to UC218 | UCX13 to UCX15 | UC310 to UC314 | 1/2-20UNF | 260 |
| — | UCX16 to UCX17 | — | 1/2-20UNF | 303 |
| — | UCX18 | UC315 to UC316 | 9/16-18UNF | 303 |
| — | UCX20 | UC317 to UC319 | 5/8-18UNF | 477 |
| — | — | UC320 | 5/8-18UNF | 520 |

| Designation of the bearings of applicable units | Designation of set screws | Tightening torques N·m(max.) |
|---|---|---|
| AS201 to 205 | M 5×0.8 × 7 | 3.4 |
| AS206 | M 6×0.75 × 8 | 4.4 |
| AS207 | M 6×0.75 × 8 | 4.9 |
| AS208 | M 8×1 ×10 | 6.8 |

| Designation of the bearings for the unit to which torques given are applicable | Designation of set screws | Tightening torques lbf·inch(max.) |
|---|---|---|
| AS201 to 205 | No.10-32UNF | 30 |
| AS206 | 1/4-28UNF | 39 |
| AS207 | 1/4-28UNF | 43 |
| AS208 | 5/16-24UNF | 60 |

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- UCP3 ····· B10
- UCPX ····· B16
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- UCUP2 ····· B30
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- ASFD2 ····· B102

Round flanged unit, pressed steel housing
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- UELPL2 ····· B158
- UELHP2 ····· B162
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- AELPP2 ····· B170
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Square flanged unit, cast housing
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Rhombus flanged unit, cast housing
- UELFL2 ····· B198
- UELFL3 ····· B202
- UELFLU2 ····· B208
- AELFB2 ····· B212
- AELFD2 ····· B214
- JELFD2 ····· B216

Round flanged unit, pressed steel housing
- AELPF2 ····· B218
- JELPF2 ····· B220
- AELRPF2 ····· B222

Rhombus flanged unit, pressed steel housing
- AELPFL2 ····· B224
- JELPFL2 ····· B226

Take-up unit, cast housing
- UELT2 ····· B228
- UELT3 ····· B232

Take-up mini stretcher units
- AELPT2- ····· B238
- JELPT2- ····· B240

Cartridge unit, cast housing
- UELC2 ····· B242
- UELC3 ····· B244

## Adapter type

Pillow block unit, cast housing
- UKP2 ····· B248
- UKP3 ····· B252
- UKPX ····· B256

Square flanged unit, cast housing
- UKF2 ····· B260
- UKF3 ····· B264
- UKFX ····· B268
- UKFS3 ····· B272

Round flanged unit, cast housing
- UKFC2 ····· B276
- UKFCX ····· B280

Pages

Rhombus flanged unit, cast housing
- UKFL2 ····· B284
- UKFL3 ····· B288
- UKFLX ····· B292

Take-up unit, cast housing
- UKT2 ····· B294
- UKT3 ····· B298
- UKTX ····· B302

Cartridge unit, cast housing
- UKC2 ····· B306
- UKC3 ····· B308
- UKCX ····· B310

## Ball bearings

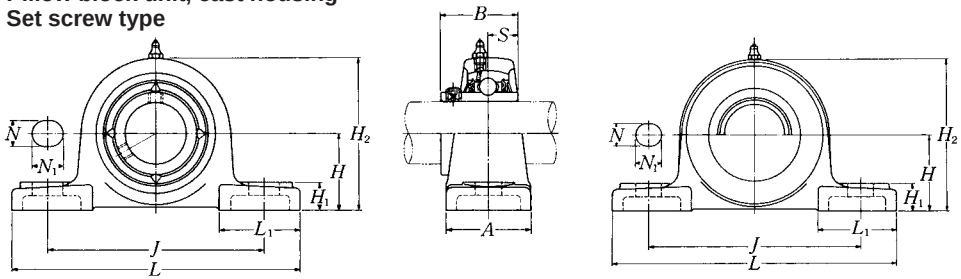
Set screw type
- UC2 ····· B312
- UC3 ····· B318
- UCX ····· B324
- AS2 ····· B328
- AR2 ····· B332

Eccentric locking collar type
- UEL2 ····· B336
- UEL3 ····· B340
- AEL2 ····· B346
- JEL2 ····· B348
- REL2 ····· B350

Adapter type
- UK2 ····· B354
- UK3 ····· B358
- UKX ····· B362

Other bearings
- UCS2 ····· B366
- UCS3 ····· B370
- ASS2 ····· B374
- UELS2 ····· B376
- UELS3 ····· B380
- AELS2 ····· B384
- JELS2 ····· B386
- CS2 ····· B388

## Pillow block unit, cast housing
## Set screw type

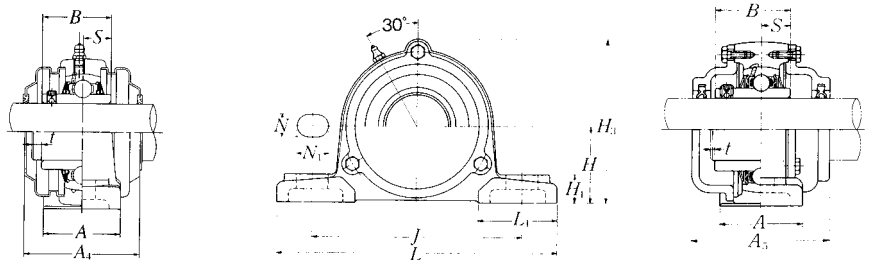



**Pressed steel dust cover type**
Open end **Z-UCP···D1**
Closed end **ZM-UCP···D1**

| Shaft dia. mm / inch | Unit number (1) | Nominal dimensions mm / inch | | | | | | | | | | | Bolt size mm / inch | Bearing number |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | $H$ | $L$ | $J$ | $A$ | $N$ | $N_1$ | $H_1$ | $H_2$ | $L_1$ | $B$ | $S$ | | |
| 12 | UCP201D1 | 30.2 | 127 | 95 | 38 | 13 | 16 | 14 | 62 | 42 | 31 | 12.7 | M10 | UC201D1 |
| 1/2 | UCP201-008D1 | 1 3/16 | 5 | 3 3/4 | 1 1/2 | 1/2 | 5/8 | 9/16 | 2 7/16 | 1 21/32 | 1.2205 | 0.500 | 3/8 | UC201-008D1 |
| 15 | UCP202D1 | 30.2 | 127 | 95 | 38 | 13 | 16 | 14 | 62 | 42 | 31 | 12.7 | M10 | UC202D1 |
| 9/16 | UCP202-009D1 | | | | | | | | | | | | | UC202-009D1 |
| 5/8 | UCP202-010D1 | 1 3/16 | 5 | 3 3/4 | 1 1/2 | 1/2 | 5/8 | 9/16 | 2 7/16 | 1 21/32 | 1.2205 | 0.500 | 3/8 | UC202-010D1 |
| 17 | UCP203D1 | 30.2 | 127 | 95 | 38 | 13 | 16 | 14 | 62 | 42 | 31 | 12.7 | M10 | UC203D1 |
| 11/16 | UCP203-011D1 | 1 3/16 | 5 | 3 3/4 | 1 1/2 | 1/2 | 5/8 | 9/16 | 2 7/16 | 1 21/32 | 1.2205 | 0.500 | 3/8 | UC203-011D1 |
| 20 | UCP204D1 | 33.3 | 127 | 95 | 38 | 13 | 16 | 14 | 65 | 42 | 31 | 12.7 | M10 | UC204D1 |
| 3/4 | UCP204-012D1 | 1 5/16 | 5 | 3 3/4 | 1 1/2 | 1/2 | 5/8 | 9/16 | 2 9/16 | 1 21/32 | 1.2205 | 0.500 | 3/8 | UC204-012D1 |
| 25 | UCP205D1 | 36.5 | 140 | 105 | 38 | 13 | 16 | 15 | 71 | 42 | 34.1 | 14.3 | M10 | UC205D1 |
| 13/16 | UCP205-013D1 | | | | | | | | | | | | | UC205-013D1 |
| 7/8 | UCP205-014D1 | | | | | | | | | | | | | UC205-014D1 |
| 15/16 | UCP205-015D1 | 1 7/16 | 5 1/2 | 4 1/8 | 1 1/2 | 1/2 | 5/8 | 19/32 | 2 25/32 | 1 21/32 | 1.3425 | 0.563 | 3/8 | UC205-015D1 |
| 1 | UCP205-100D1 | | | | | | | | | | | | | UC205-100D1 |
| 30 | UCP206D1 | 42.9 | 165 | 121 | 48 | 17 | 20 | 17 | 83 | 54 | 38.1 | 15.9 | M14 | UC206D1 |
| 1 1/16 | UCP206-101D1 | | | | | | | | | | | | | UC206-101D1 |
| 1 1/8 | UCP206-102D1 | | | | | | | | | | | | | UC206-102D1 |
| 1 3/16 | UCP206-103D1 | 1 11/16 | 6 1/2 | 4 3/4 | 1 7/8 | 21/32 | 25/32 | 21/32 | 3 9/32 | 2 1/8 | 1.5000 | 0.626 | 1/2 | UC206-103D1 |
| 1 1/4 | UCP206-104D1 | | | | | | | | | | | | | UC206-104D1 |
| 35 | UCP207D1 | 47.6 | 167 | 127 | 48 | 17 | 20 | 18 | 93 | 54 | 42.9 | 17.5 | M14 | UC207D1 |
| 1 1/4 | UCP207-104D1 | | | | | | | | | | | | | UC207-104D1 |
| 1 5/16 | UCP207-105D1 | | | | | | | | | | | | | UC207-105D1 |
| 1 3/8 | UCP207-106D1 | 1 7/8 | 6 9/16 | 5 | 1 7/8 | 21/32 | 25/32 | 23/32 | 3 21/32 | 2 1/8 | 1.6890 | 0.689 | 1/2 | UC207-106D1 |
| 1 7/16 | UCP207-107D1 | | | | | | | | | | | | | UC207-107D1 |
| 40 | UCP208D1 | 49.2 | 184 | 137 | 54 | 17 | 20 | 18 | 98 | 52 | 49.2 | 19 | M14 | UC208D1 |
| 1 1/2 | UCP208-108D1 | | | | | | | | | | | | | UC208-108D1 |
| 1 9/16 | UCP208-109D1 | 1 15/16 | 7 1/4 | 5 13/32 | 2 1/8 | 21/32 | 25/32 | 23/32 | 3 27/32 | 2 1/16 | 1.9370 | 0.748 | 1/2 | UC208-109D1 |
| 45 | UCP209D1 | 54 | 190 | 146 | 54 | 17 | 20 | 20 | 106 | 60 | 49.2 | 19 | M14 | UC209D1 |
| 1 5/8 | UCP209-110D1 | | | | | | | | | | | | | UC209-110D1 |
| 1 11/16 | UCP209-111D1 | | | | | | | | | | | | | UC209-111D1 |
| 1 3/4 | UCP209-112D1 | 2 1/8 | 7 15/32 | 5 3/4 | 2 1/8 | 21/32 | 25/32 | 25/32 | 4 3/16 | 2 3/8 | 1.9370 | 0.748 | 1/2 | UC209-112D1 |

**Note** (1) These numbers indicate relubricatable type. If maintenance free type is needed, please order without suffix "D1".
**Remarks** Please refer to page **A21** for size of grease fitting.

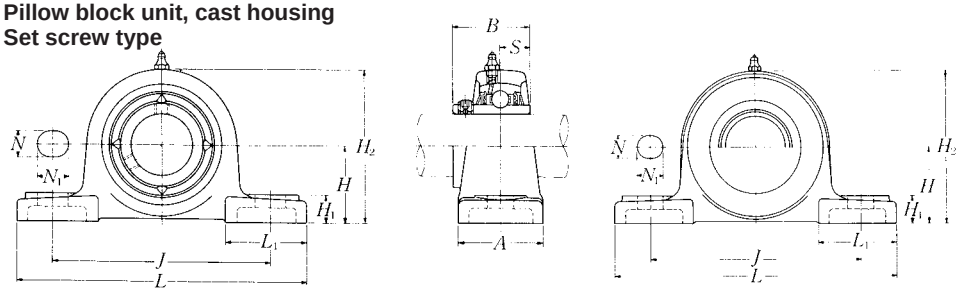





**Cast dust cover type**
Open end **C-UCP···D1**
Closed end **CM-UCP···D1**

| Housing number | Unit number (1) pressed steel dust cover type | Unit number (1) cast dust cover type | Nominal dimensions mm / inch | | | | Mass of unit kg / lb | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | $t$ max. | $A_4$ | $H_3$ | $A_5$ | UCP | Z(ZM) | C(CM) |
| P203D1 | Z(ZM)-UCP201D1 | C(CM)-UCP201D1 | 2 | 45 | 67 | 62 | 0.7 | 0.7 | 1.0 |
| P203D1 | Z(ZM)-UCP201-008D1 | C(CM)-UCP201-008D1 | 5/64 | 1 25/32 | 2 5/8 | 2 7/16 | 1.5 | 1.5 | 2.2 |
| P203D1 | Z(ZM)-UCP202D1 | C(CM)-UCP202D1 | 2 | 45 | 67 | 62 | 0.7 | 0.7 | 1.0 |
| P203D1 | Z(ZM)-UCP202-009D1 | C(CM)-UCP202-009D1 | | | | | | | |
| P203D1 | Z(ZM)-UCP202-010D1 | C(CM)-UCP202-010D1 | 5/64 | 1 25/32 | 2 5/8 | 2 7/16 | 1.5 | 1.5 | 2.2 |
| P203D1 | Z(ZM)-UCP203D1 | C(CM)-UCP203D1 | 2 | 45 | 67 | 62 | 0.7 | 0.7 | 1.0 |
| P203D1 | Z(ZM)-UCP203-011D1 | C(CM)-UCP203-011D1 | 5/64 | 1 25/32 | 2 5/8 | 2 7/16 | 1.5 | 1.5 | 2.2 |
| P204D1 | Z(ZM)-UCP204D1 | C(CM)-UCP204D1 | 2 | 45 | 70 | 62 | 0.7 | 0.7 | 0.9 |
| P204D1 | Z(ZM)-UCP204-012D1 | C(CM)-UCP204-012D1 | 5/64 | 1 25/32 | 2 3/4 | 2 7/16 | 1.5 | 1.5 | 2.0 |
| P205D1 | Z(ZM)-UCP205D1 | C(CM)-UCP205D1 | 2 | 48 | 76 | 70 | 0.8 | 0.9 | 1.1 |
| P205D1 | Z(ZM)-UCP205-013D1 | C(CM)-UCP205-013D1 | | | | | | | |
| P205D1 | Z(ZM)-UCP205-014D1 | C(CM)-UCP205-014D1 | | | | | | | |
| P205D1 | Z(ZM)-UCP205-015D1 | C(CM)-UCP205-015D1 | 5/64 | 1 29/32 | 3 | 2 3/4 | 1.8 | 2.0 | 2.4 |
| P205D1 | Z(ZM)-UCP205-100D1 | C(CM)-UCP205-100D1 | | | | | | | |
| P206D1 | Z(ZM)-UCP206D1 | C(CM)-UCP206D1 | 2 | 53 | 88 | 75 | 1.4 | 1.4 | 1.7 |
| P206D1 | Z(ZM)-UCP206-101D1 | C(CM)-UCP206-101D1 | | | | | | | |
| P206D1 | Z(ZM)-UCP206-102D1 | C(CM)-UCP206-102D1 | | | | | | | |
| P206D1 | Z(ZM)-UCP206-103D1 | C(CM)-UCP206-103D1 | 5/64 | 2 3/32 | 3 15/32 | 2 15/16 | 3.1 | 3.1 | 3.7 |
| P206D1 | — | — | | | | | | | |
| P207D1 | Z(ZM)-UCP207D1 | C(CM)-UCP207D1 | 3 | 60 | 99 | 80 | 1.6 | 1.7 | 2.0 |
| P207D1 | Z(ZM)-UCP207-104D1 | C(CM)-UCP207-104D1 | | | | | | | |
| P207D1 | Z(ZM)-UCP207-105D1 | C(CM)-UCP207-105D1 | | | | | | | |
| P207D1 | Z(ZM)-UCP207-106D1 | C(CM)-UCP207-106D1 | 1/8 | 2 3/8 | 3 29/32 | 3 5/32 | 3.5 | 3.7 | 4.4 |
| P207D1 | — | — | | | | | | | |
| P208D1 | Z(ZM)-UCP208D1 | C(CM)-UCP208D1 | 3 | 69 | 105 | 90 | 1.9 | 2.1 | 2.7 |
| P208D1 | Z(ZM)-UCP208-108D1 | C(CM)-UCP208-108D1 | | | | | | | |
| P208D1 | Z(ZM)-UCP208-109D1 | C(CM)-UCP208-109D1 | 1/8 | 2 23/32 | 4 1/8 | 3 17/32 | 4.2 | 4.6 | 6.0 |
| P209D1 | Z(ZM)-UCP209D1 | C(CM)-UCP209D1 | 3 | 69 | 113 | 95 | 2.2 | 2.4 | 3.1 |
| P209D1 | Z(ZM)-UCP209-110D1 | C(CM)-UCP209-110D1 | | | | | | | |
| P209D1 | Z(ZM)-UCP209-111D1 | C(CM)-UCP209-111D1 | | | | | | | |
| P209D1 | Z(ZM)-UCP209-112D1 | C(CM)-UCP209-112D1 | 1/8 | 2 23/32 | 4 7/16 | 3 3/4 | 4.9 | 5.3 | 6.8 |

## Pillow block unit, cast housing
## Set screw type

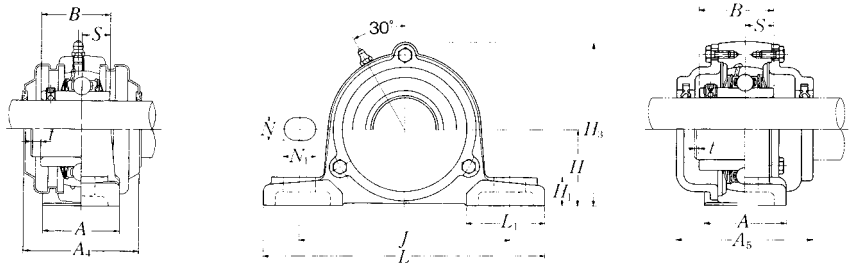



**Pressed steel dust cover type**
Open end **Z-UCP···D1**
Closed end **ZM-UCP···D1**

| Shaft dia. mm / inch | Unit number (1) | Nominal dimensions mm / inch: H | L | J | A | N | $N_1$ | $H_1$ | $H_2$ | $L_1$ | B | S | Bolt size mm / inch | Bearing number |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 50 | UCP210D1 | 57.2 | 206 | 159 | 60 | 20 | 23 | 21 | 114 | 65 | 51.6 | 19 | M16 | UC210D1 |
| 1 13/16 | UCP210-113D1 | | | | | | | | | | | | | UC210-113D1 |
| 1 7/8 | UCP210-114D1 | 2 1/4 | 8 1/8 | 6 1/4 | 2 3/8 | 25/32 | 29/32 | 13/16 | 4 1/2 | 2 9/16 | 2.0315 | 0.748 | 5/8 | UC210-114D1 |
| 1 15/16 | UCP210-115D1 | | | | | | | | | | | | | UC210-115D1 |
| 2 | UCP210-200D1 | | | | | | | | | | | | | UC210-200D1 |
| 55 | UCP211D1 | 63.5 | 219 | 171 | 60 | 20 | 23 | 23 | 126 | 65 | 55.6 | 22.2 | M16 | UC211D1 |
| 2 | UCP211-200D1 | | | | | | | | | | | | | UC211-200D1 |
| 2 1/16 | UCP211-201D1 | 2 1/2 | 8 5/8 | 6 23/32 | 2 3/8 | 25/32 | 29/32 | 29/32 | 4 31/32 | 2 9/16 | 2.1890 | 0.874 | 5/8 | UC211-201D1 |
| 2 1/8 | UCP211-202D1 | | | | | | | | | | | | | UC211-202D1 |
| 2 3/16 | UCP211-203D1 | | | | | | | | | | | | | UC211-203D1 |
| 60 | UCP212D1 | 69.8 | 241 | 184 | 70 | 20 | 23 | 25 | 138 | 70 | 65.1 | 25.4 | M16 | UC212D1 |
| 2 1/4 | UCP212-204D1 | | | | | | | | | | | | | UC212-204D1 |
| 2 5/16 | UCP212-205D1 | 2 3/4 | 9 1/2 | 7 1/4 | 2 3/4 | 25/32 | 29/32 | 31/32 | 5 7/16 | 2 3/4 | 2.5630 | 1.000 | 5/8 | UC212-205D1 |
| 2 3/8 | UCP212-206D1 | | | | | | | | | | | | | UC212-206D1 |
| 2 7/16 | UCP212-207D1 | | | | | | | | | | | | | UC212-207D1 |
| 65 | UCP213D1 | 76.2 | 265 | 203 | 70 | 25 | 28 | 27 | 151 | 77 | 65.1 | 25.4 | M20 | UC213D1 |
| 2 1/2 | UCP213-208D1 | 3 | 10 7/16 | 8 | 2 3/4 | 31/32 | 1 3/32 | 1 1/16 | 5 15/16 | 3 1/32 | 2.5630 | 1.000 | 3/4 | UC213-208D1 |
| 2 9/16 | UCP213-209D1 | | | | | | | | | | | | | UC213-209D1 |
| 70 | UCP214D1 | 79.4 | 266 | 210 | 72 | 25 | 28 | 27 | 157 | 77 | 74.6 | 30.2 | M20 | UC214D1 |
| 2 5/8 | UCP214-210D1 | | | | | | | | | | | | | UC214-210D1 |
| 2 11/16 | UCP214-211D1 | 3 1/8 | 10 15/32 | 8 9/32 | 2 27/32 | 31/32 | 1 3/32 | 1 1/16 | 6 3/16 | 3 1/32 | 2.9370 | 1.189 | 3/4 | UC214-211D1 |
| 2 3/4 | UCP214-212D1 | | | | | | | | | | | | | UC214-212D1 |
| 75 | UCP215D1 | 82.6 | 275 | 217 | 74 | 25 | 28 | 28 | 163 | 80 | 77.8 | 33.3 | M20 | UC215D1 |
| 2 13/16 | UCP215-213D1 | | | | | | | | | | | | | UC215-213D1 |
| 2 7/8 | UCP215-214D1 | 3 1/4 | 10 13/16 | 8 17/32 | 2 29/32 | 31/32 | 1 3/32 | 1 3/32 | 6 13/32 | 3 5/32 | 3.0630 | 1.311 | 3/4 | UC215-214D1 |
| 2 15/16 | UCP215-215D1 | | | | | | | | | | | | | UC215-215D1 |
| 3 | UCP215-300D1 | | | | | | | | | | | | | UC215-300D1 |
| 80 | UCP216D1 | 88.9 | 292 | 232 | 78 | 25 | 28 | 30 | 175 | 85 | 82.6 | 33.3 | M20 | UC216D1 |
| 3 1/16 | UCP216-301D1 | | | | | | | | | | | | | UC216-301D1 |
| 3 1/8 | UCP216-302D1 | 3 1/2 | 11 1/2 | 9 1/8 | 3 1/16 | 31/32 | 1 3/32 | 1 3/16 | 6 7/8 | 3 11/32 | 3.2520 | 1.311 | 3/4 | UC216-302D1 |
| 3 3/16 | UCP216-303D1 | | | | | | | | | | | | | UC216-303D1 |

**Note** (1) These numbers indicate relubricatable type. If maintenance free type is needed, please order without suffix "D1".
**Remarks** Please refer to page **A21** for size of grease fitting.

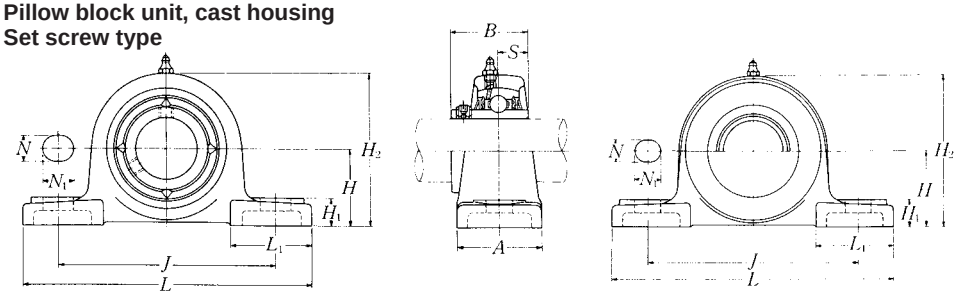





**Cast dust cover type**
Open end **C-UCP···D1**
Closed end **CM-UCP···D1**

| Housing number | Unit number (1) pressed steel dust cover type | Unit number (1) cast dust cover type | Nominal dimensions mm / inch: t max. | $A_4$ | $H_3$ | $A_5$ | Mass of unit kg / lb: UCP | Z(ZM) | C(CM) |
|---|---|---|---|---|---|---|---|---|---|
| P210D1 | Z(ZM)-UCP210D1 | C(CM)-UCP210D1 | 3 | 76 | 119 | 100 | 2.7 | 2.8 | 3.6 |
| P210D1 | Z(ZM)-UCP210-113D1 | C(CM)-UCP210-113D1 | | | | | | | |
| P210D1 | Z(ZM)-UCP210-114D1 | C(CM)-UCP210-114D1 | 1/8 | 3 | 4 11/16 | 3 15/16 | 6.0 | 6.2 | 7.9 |
| P210D1 | Z(ZM)-UCP210-115D1 | C(CM)-UCP210-115D1 | | | | | | | |
| P210D1 | – | C(CM)-UCP210-200D1 | | | | | | | |
| P211D1 | Z(ZM)-UCP211D1 | C(CM)-UCP211D1 | 4 | 77 | 130 | 100 | 3.5 | 3.5 | 4.4 |
| P211D1 | Z(ZM)-UCP211-200D1 | C(CM)-UCP211-200D1 | | | | | | | |
| P211D1 | Z(ZM)-UCP211-201D1 | C(CM)-UCP211-201D1 | 5/32 | 3 1/32 | 5 1/8 | 3 15/16 | 7.7 | 7.7 | 9.7 |
| P211D1 | Z(ZM)-UCP211-202D1 | C(CM)-UCP211-202D1 | | | | | | | |
| P211D1 | Z(ZM)-UCP211-203D1 | C(CM)-UCP211-203D1 | | | | | | | |
| P212D1 | Z(ZM)-UCP212D1 | C(CM)-UCP212D1 | 4 | 89 | 143 | 115 | 4.7 | 5.0 | 6.0 |
| P212D1 | Z(ZM)-UCP212-204D1 | C(CM)-UCP212-204D1 | | | | | | | |
| P212D1 | Z(ZM)-UCP212-205D1 | C(CM)-UCP212-205D1 | 5/32 | 3 1/2 | 5 5/8 | 4 17/32 | 10 | 11 | 13 |
| P212D1 | Z(ZM)-UCP212-206D1 | C(CM)-UCP212-206D1 | | | | | | | |
| P212D1 | – | C(CM)-UCP212-207D1 | | | | | | | |
| P213D1 | Z(ZM)-UCP213D1 | C(CM)-UCP213D1 | 4 | 91 | 155 | 120 | 5.6 | 5.8 | 7.2 |
| P213D1 | Z(ZM)-UCP213-208D1 | C(CM)-UCP213-208D1 | 5/32 | 3 19/32 | 6 3/32 | 4 23/32 | 12 | 13 | 16 |
| P213D1 | Z(ZM)-UCP213-209D1 | C(CM)-UCP213-209D1 | | | | | | | |
| P214D1 | – | C(CM)-UCP214D1 | 4 | – | 162 | 135 | 6.5 | – | 8.3 |
| P214D1 | | C(CM)-UCP214-210D1 | | | | | | | |
| P214D1 | – | C(CM)-UCP214-211D1 | 5/32 | – | 6 3/8 | 5 5/16 | 14 | – | 18 |
| P214D1 | | C(CM)-UCP214-212D1 | | | | | | | |
| P215D1 | – | C(CM)-UCP215D1 | 4 | – | 168 | 135 | 7.2 | – | 9.3 |
| P215D1 | | C(CM)-UCP215-213D1 | | | | | | | |
| P215D1 | | C(CM)-UCP215-214D1 | | | | | | | |
| P215D1 | – | C(CM)-UCP215-215D1 | 5/32 | – | 6 5/8 | 5 5/16 | 16 | – | 21 |
| P215D1 | | C(CM)-UCP215-300D1 | | | | | | | |
| P216D1 | – | C(CM)-UCP216D1 | 4 | – | 181 | 145 | 8.7 | – | 11 |
| P216D1 | | C(CM)-UCP216-301D1 | | | | | | | |
| P216D1 | – | C(CM)-UCP216-302D1 | 5/32 | – | 7 1/8 | 5 23/32 | 19 | – | 24 |
| P216D1 | | C(CM)-UCP216-303D1 | | | | | | | |

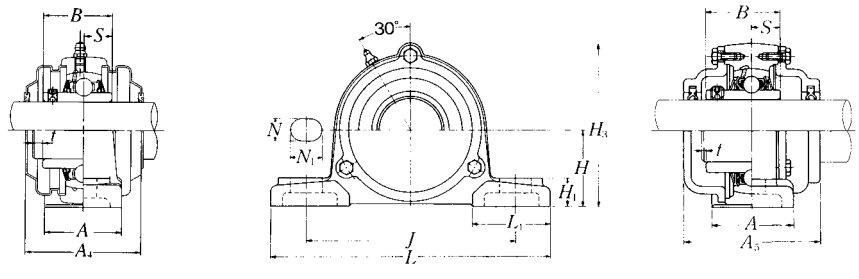
## Pillow block unit, cast housing
## Set screw type




**Pressed steel dust cover type**
Open end **Z-UCP···D1**
Closed end **ZM-UCP···D1**

| Shaft dia. mm / inch | Unit number (1) | Nominal dimensions mm / inch | | | | | | | | | | | Bolt size mm / inch | Bearing number |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | *H* | *L* | *J* | *A* | *N* | $N_1$ | $H_1$ | $H_2$ | $L_1$ | *B* | *S* | | |
| 85 | **UCP217D1** | 95.2 | 310 | 247 | 83 | 25 | 28 | 32 | 187 | 85 | 85.7 | 34.1 | M20 | UC217D1 |
| 3 1/4 | **UCP217-304D1** | | | | | | | | | | | | | UC217-304D1 |
| 3 5/16 | **UCP217-305D1** | 3 3/4 | 12 7/32 | 9 23/32 | 3 9/32 | 31/32 | 1 3/32 | 1 1/4 | 7 3/8 | 3 11/32 | 3.3740 | 1.343 | 3/4 | UC217-305D1 |
| 3 7/16 | **UCP217-307D1** | | | | | | | | | | | | | UC217-307D1 |
| 90 | **UCP218D1** | 101.6 | 327 | 262 | 88 | 27 | 30 | 33 | 200 | 90 | 96 | 39.7 | M22 | UC218D1 |
| 3 1/2 | **UCP218-308D1** | 4 | 12 7/8 | 10 5/16 | 3 15/32 | 1 1/16 | 1 3/16 | 1 5/16 | 7 7/8 | 3 17/32 | 3.7795 | 1.563 | 7/8 | UC218-308D1 |

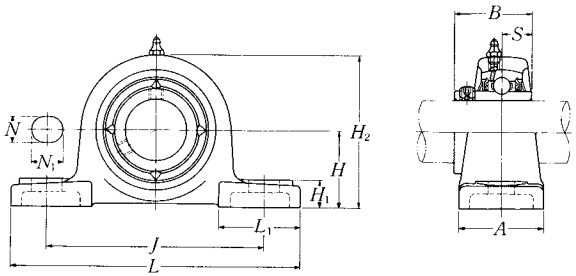
**Note** (1) These numbers indicate relubricatable type. If maintenance free type is needed, please order without suffix "D1".
**Remarks** Please refer to page **A21** for size of grease fitting.




**Cast dust cover type**
Open end **C-UCP···D1**
Closed end **CM-UCP···D1**

| Housing number | Unit number (1) pressed steel dust cover type | Unit number (1) cast dust cover type | Nominal dimensions mm / inch | | | | Mass of unit kg / lb | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | *t* max. | $A_4$ | $H_3$ | $A_5$ | UCP | Z(ZM) | C(CM) |
| P217D1 | – | **C(CM)-UCP217D1** | 5 | – | 191 | 155 | 11 | – | 13 |
| P217D1 | | **C(CM)-UCP217-304D1** | | | | | | | |
| P217D1 | – | **C(CM)-UCP217-305D1** | 13/64 | – | 7 17/32 | 6 3/32 | 24 | – | 29 |
| P217D1 | | **C(CM)-UCP217-307D1** | | | | | | | |
| P218D1 | – | **C(CM)-UCP218D1** | 5 | – | 204 | 165 | 13 | – | 16 |
| P218D1 | – | **C(CM) UCP218-308D1** | 13/64 | – | 8 1/32 | 6 1/2 | 29 | – | 35 |

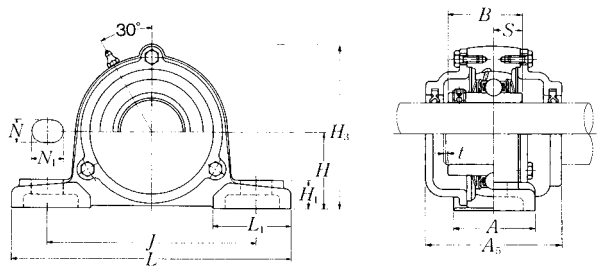
## Pillow block unit, cast housing
## Set screw type




| Shaft dia. mm / inch | Unit number (1) | Nominal dimensions mm / inch H | L | J | A | N | N1 | H1 | H2 | L1 | B | S | Bolt size mm / inch |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 25 | UCP305D1 | 45 | 175 | 132 | 45 | 17 | 20 | 15 | 85 | 54 | 38 | 15 | M14 |
| 13/16 | UCP305-013D1 | | | | | | | | | | | | |
| 7/8 | UCP305-014D1 | 1 49/64 | 6 7/8 | 5 3/16 | 1 25/32 | 21/32 | 25/32 | 19/32 | 3 11/32 | 2 1/8 | 1.4961 | 0.591 | 1/2 |
| 15/16 | UCP305-015D1 | | | | | | | | | | | | |
| 1 | UCP305-100D1 | | | | | | | | | | | | |
| 30 | UCP306D1 | 50 | 180 | 140 | 50 | 17 | 20 | 18 | 95 | 54 | 43 | 17 | M14 |
| 1 1/16 | UCP306-101D1 | | | | | | | | | | | | |
| 1 1/8 | UCP306-102D1 | 1 31/32 | 7 3/32 | 5 1/2 | 1 31/32 | 21/32 | 25/32 | 23/32 | 3 3/4 | 2 1/8 | 1.6929 | 0.669 | 1/2 |
| 1 3/16 | UCP306-103D1 | | | | | | | | | | | | |
| 35 | UCP307D1 | 56 | 210 | 160 | 56 | 17 | 25 | 20 | 106 | 60 | 48 | 19 | M14 |
| 1 1/4 | UCP307-104D1 | | | | | | | | | | | | |
| 1 5/16 | UCP307-105D1 | 2 13/64 | 8 9/32 | 6 5/16 | 2 7/32 | 21/32 | 31/32 | 25/32 | 4 3/16 | 2 3/8 | 1.8898 | 0.748 | 1/2 |
| 1 3/8 | UCP307-106D1 | | | | | | | | | | | | |
| 1 7/16 | UCP307-107D1 | | | | | | | | | | | | |
| 40 | UCP308D1 | 60 | 220 | 170 | 60 | 17 | 27 | 22 | 116 | 60 | 52 | 19 | M14 |
| 1 1/2 | UCP308-108D1 | 2 23/64 | 8 21/32 | 6 11/16 | 2 3/8 | 21/32 | 1 1/16 | 7/8 | 4 9/16 | 2 3/8 | 2.0472 | 0.748 | 1/2 |
| 1 9/16 | UCP308-109D1 | | | | | | | | | | | | |
| 45 | UCP309D1 | 67 | 245 | 190 | 67 | 20 | 30 | 24 | 129 | 65 | 57 | 22 | M16 |
| 1 5/8 | UCP309-110D1 | | | | | | | | | | | | |
| 1 11/16 | UCP309-111D1 | 2 41/64 | 9 21/32 | 7 15/32 | 2 5/8 | 25/32 | 1 3/16 | 15/16 | 5 3/32 | 2 9/16 | 2.2441 | 0.866 | 5/8 |
| 1 3/4 | UCP309-112D1 | | | | | | | | | | | | |
| 50 | UCP310D1 | 75 | 275 | 212 | 75 | 20 | 35 | 27 | 143 | 75 | 61 | 22 | M16 |
| 1 13/16 | UCP310-113D1 | | | | | | | | | | | | |
| 1 7/8 | UCP310-114D1 | 2 61/64 | 10 13/16 | 8 11/32 | 2 15/16 | 25/32 | 1 3/8 | 1 1/16 | 5 5/8 | 2 15/16 | 2.4016 | 0.866 | 5/8 |
| 1 15/16 | UCP310-115D1 | | | | | | | | | | | | |
| 55 | UCP311D1 | 80 | 310 | 236 | 80 | 20 | 38 | 30 | 154 | 85 | 66 | 25 | M16 |
| 2 | UCP311-200D1 | | | | | | | | | | | | |
| 2 1/16 | UCP311-201D1 | 3 5/32 | 12 7/32 | 9 9/32 | 3 5/32 | 25/32 | 1 1/2 | 1 3/16 | 6 1/16 | 3 11/32 | 2.5984 | 0.984 | 5/8 |
| 2 1/8 | UCP311-202D1 | | | | | | | | | | | | |
| 2 3/16 | UCP311-203D1 | | | | | | | | | | | | |

**Note** (1) These numbers indicate relubricatable type. If maintenance free type is needed, please order without suffix "D1".
**Remarks** Please refer to page **A21** for size of grease fitting.

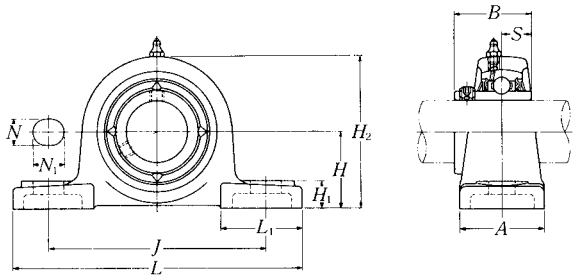





**Cast dust cover type**
Open end **C-UCP···D1**
Closed end **CM-UCP···D1**

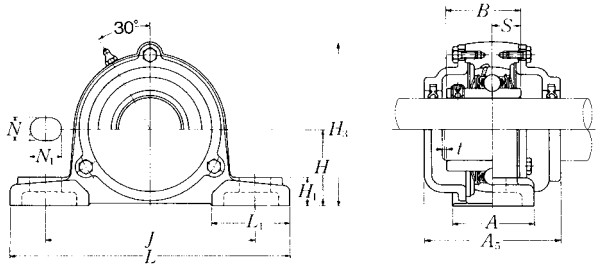
| Bearing number | Housing number | Unit number (1) cast dust cover type | Nominal dimensions mm / inch t max. | H3 | A5 | Mass of unit kg / lb UCP | C(CM) |
|---|---|---|---|---|---|---|---|
| UC305D1 | P305D1 | C(CM)-UCP305D1 | 2 | 91 | 80 | 1.4 | 1.8 |
| UC305-013D1 | P305D1 | C(CM)-UCP305-013D1 | | | | | |
| UC305-014D1 | P305D1 | C(CM)-UCP305-014D1 | 5/64 | 3 19/32 | 3 5/32 | 3.1 | 4.0 |
| UC305-015D1 | P305D1 | C(CM)-UCP305-015D1 | | | | | |
| UC305-100D1 | P305D1 | C(CM)-UCP305-100D1 | | | | | |
| UC306D1 | P306D1 | C(CM)-UCP306D1 | 2 | 105 | 85 | 1.8 | 2.5 |
| UC306-101D1 | P306D1 | C(CM)-UCP306-101D1 | | | | | |
| UC306-102D1 | P306D1 | C(CM)-UCP306-102D1 | 5/64 | 4 1/8 | 3 11/32 | 4.0 | 5.5 |
| UC306-103D1 | P306D1 | C(CM)-UCP306-103D1 | | | | | |
| UC307D1 | P307D1 | C(CM)-UCP307D1 | 3 | 115 | 95 | 2.5 | 3.2 |
| UC307-104D1 | P307D1 | C(CM)-UCP307-104D1 | | | | | |
| UC307-105D1 | P307D1 | C(CM)-UCP307-105D1 | 1/8 | 4 17/32 | 3 3/4 | 5.5 | 7.1 |
| UC307-106D1 | P307D1 | C(CM)-UCP307-106D1 | | | | | |
| UC307-107D1 | P307D1 | C(CM)-UCP307-107D1 | | | | | |
| UC308D1 | P308D1 | C(CM)-UCP308D1 | 3 | 125 | 105 | 3.1 | 4.0 |
| UC308-108D1 | P308D1 | C(CM)-UCP308-108D1 | 1/8 | 4 29/32 | 4 1/8 | 6.8 | 8.8 |
| UC308-109D1 | P308D1 | C(CM)-UCP308-109D1 | | | | | |
| UC309D1 | P309D1 | C(CM)-UCP309D1 | 3 | 140 | 110 | 4.1 | 5.4 |
| UC309-110D1 | P309D1 | C(CM)-UCP309-110D1 | | | | | |
| UC309-111D1 | P309D1 | C(CM)-UCP309-111D1 | 1/8 | 5 1/2 | 4 11/32 | 9.0 | 12 |
| UC309-112D1 | P309D1 | C(CM)-UCP309-112D1 | | | | | |
| UC310D1 | P310D1 | C(CM)-UCP310D1 | 3 | 156 | 120 | 5.6 | 7.0 |
| UC310-113D1 | P310D1 | C(CM)-UCP310-113D1 | | | | | |
| UC310-114D1 | P310D1 | C(CM)-UCP310-114D1 | 1/8 | 6 5/32 | 4 23/32 | 12 | 15 |
| UC310-115D1 | P310D1 | C(CM)-UCP310-115D1 | | | | | |
| UC311D1 | P311D1 | C(CM)-UCP311D1 | 4 | 166 | 125 | 7.3 | 8.8 |
| UC311-200D1 | P311D1 | C(CM)-UCP311-200D1 | | | | | |
| UC311-201D1 | P311D1 | C(CM)-UCP311-201D1 | 5/32 | 6 17/32 | 4 29/32 | 16 | 19 |
| UC311-202D1 | P311D1 | C(CM)-UCP311-202D1 | | | | | |
| UC311-203D1 | P311D1 | C(CM)-UCP311-203D1 | | | | | |

## Pillow block unit, cast housing
## Set screw type




| Shaft dia. mm / inch | Unit number (1) | Nominal dimensions mm / inch | | | | | | | | | | | Bolt size mm / inch |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | H | L | J | A | N | $N_1$ | $H_1$ | $H_2$ | $L_1$ | B | S | |
| 60 | UCP312D1 | 85 | 330 | 250 | 85 | 25 | 38 | 32 | 165 | 95 | 71 | 26 | M20 |
| $2\frac{1}{4}$ | UCP312-204D1 | | | | | | | | | | | | |
| $2\frac{5}{16}$ | UCP312-205D1 | $3\frac{11}{32}$ | 13 | $9\frac{27}{32}$ | $3\frac{11}{32}$ | $\frac{31}{32}$ | $1\frac{1}{2}$ | $1\frac{1}{4}$ | $6\frac{1}{2}$ | $3\frac{3}{4}$ | 2.7953 | 1.024 | $\frac{3}{4}$ |
| $2\frac{3}{8}$ | UCP312-206D1 | | | | | | | | | | | | |
| $2\frac{7}{16}$ | UCP312-207D1 | | | | | | | | | | | | |
| 65 | UCP313D1 | 90 | 340 | 260 | 90 | 25 | 38 | 33 | 176 | 105 | 75 | 30 | M20 |
| $2\frac{1}{2}$ | UCP313-208D1 | $3\frac{35}{64}$ | $13\frac{3}{8}$ | $10\frac{1}{4}$ | $3\frac{17}{32}$ | $\frac{31}{32}$ | $1\frac{1}{2}$ | $1\frac{5}{16}$ | $6\frac{15}{16}$ | $4\frac{1}{8}$ | 2.9528 | 1.181 | $\frac{3}{4}$ |
| $2\frac{9}{16}$ | UCP313-209D1 | | | | | | | | | | | | |
| 70 | UCP314D1 | 95 | 360 | 280 | 90 | 27 | 40 | 35 | 187 | 105 | 78 | 33 | M22 |
| $2\frac{5}{8}$ | UCP314-210D1 | | | | | | | | | | | | |
| $2\frac{11}{16}$ | UCP314-211D1 | $3\frac{47}{64}$ | $14\frac{3}{16}$ | $11\frac{1}{32}$ | $3\frac{17}{32}$ | $1\frac{1}{16}$ | $1\frac{9}{16}$ | $1\frac{3}{8}$ | $7\frac{3}{8}$ | $4\frac{1}{8}$ | 3.0709 | 1.299 | $\frac{7}{8}$ |
| $2\frac{3}{4}$ | UCP314-212D1 | | | | | | | | | | | | |
| 75 | UCP315D1 | 100 | 380 | 290 | 100 | 27 | 40 | 35 | 198 | 110 | 82 | 32 | M22 |
| $2\frac{13}{16}$ | UCP315-213D1 | | | | | | | | | | | | |
| $2\frac{7}{8}$ | UCP315-214D1 | $3\frac{15}{16}$ | $14\frac{31}{32}$ | $11\frac{13}{32}$ | $3\frac{15}{16}$ | $1\frac{1}{16}$ | $1\frac{9}{16}$ | $1\frac{3}{8}$ | $7\frac{25}{32}$ | $4\frac{11}{32}$ | 3.2283 | 1.260 | $\frac{7}{8}$ |
| $2\frac{15}{16}$ | UCP315-215D1 | | | | | | | | | | | | |
| 3 | UCP315-300D1 | | | | | | | | | | | | |
| 80 | UCP316D1 | 106 | 400 | 300 | 110 | 27 | 40 | 40 | 210 | 110 | 86 | 34 | M22 |
| $3\frac{1}{16}$ | UCP316-301D1 | | | | | | | | | | | | |
| $3\frac{1}{8}$ | UCP316-302D1 | $4\frac{11}{64}$ | $15\frac{3}{4}$ | $11\frac{13}{16}$ | $4\frac{11}{32}$ | $1\frac{1}{16}$ | $1\frac{9}{16}$ | $1\frac{9}{16}$ | $8\frac{9}{32}$ | $4\frac{11}{32}$ | 3.3858 | 1.339 | $\frac{7}{8}$ |
| $3\frac{3}{16}$ | UCP316-303D1 | | | | | | | | | | | | |
| 85 | UCP317D1 | 112 | 420 | 320 | 110 | 33 | 45 | 40 | 220 | 120 | 96 | 40 | M27 |
| $3\frac{1}{4}$ | UCP317-304D1 | | | | | | | | | | | | |
| $3\frac{5}{16}$ | UCP317-305D1 | $4\frac{13}{32}$ | $16\frac{17}{32}$ | $12\frac{19}{32}$ | $4\frac{11}{32}$ | $1\frac{5}{16}$ | $1\frac{25}{32}$ | $1\frac{9}{16}$ | $8\frac{21}{32}$ | $4\frac{23}{32}$ | 3.7795 | 1.575 | 1 |
| $3\frac{7}{16}$ | UCP317-307D1 | | | | | | | | | | | | |
| 90 | UCP318D1 | 118 | 430 | 330 | 110 | 33 | 45 | 45 | 235 | 120 | 96 | 40 | M27 |
| $3\frac{7}{16}$ | UCP318-307D1 | $4\frac{41}{64}$ | $16\frac{15}{16}$ | 13 | $4\frac{11}{32}$ | $1\frac{5}{16}$ | $1\frac{25}{32}$ | $1\frac{25}{32}$ | $9\frac{1}{4}$ | $4\frac{23}{32}$ | 3.7795 | 1.575 | 1 |
| $3\frac{1}{2}$ | UCP318-308D1 | | | | | | | | | | | | |

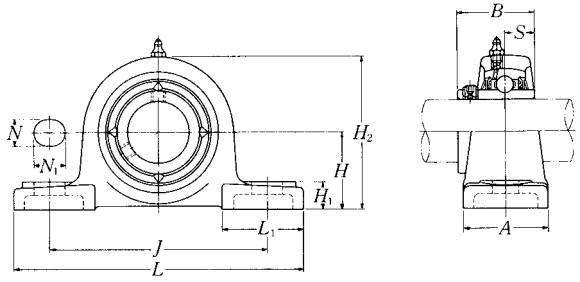
**Note** (1) These numbers indicate relubricatable type. If maintenance free type is needed, please order without suffix "D1".
**Remarks** Please refer to page **A21** for size of grease fitting.




**Cast dust cover type**
Open end **C-UCP···D1**
Closed end **CM-UCP···D1**

| Bearing number | Housing number | Unit number (1) cast dust cover type | Nominal dimensions mm / inch | | | Mass of unit kg / lb | |
|---|---|---|---|---|---|---|---|
| | | | t max. | $H_3$ | $A_5$ | UCP | C(CM) |
| UC312D1 | P312D1 | **C(CM)-UCP312D1** | 4 | 179 | 135 | 9.4 | 11 |
| UC312-204D1 | P312D1 | **C(CM)-UCP312-204D1** | | | | | |
| UC312-205D1 | P312D1 | **C(CM)-UCP312-205D1** | $\frac{5}{32}$ | $7\frac{1}{16}$ | $5\frac{5}{16}$ | 21 | 24 |
| UC312-206D1 | P312D1 | **C(CM)-UCP312-206D1** | | | | | |
| UC312-207D1 | P312D1 | **C(CM)-UCP312-207D1** | | | | | |
| UC313D1 | P313D1 | **C(CM)-UCP313D1** | 4 | 190 | 140 | 10 | 12 |
| UC313-208D1 | P313D1 | **C(CM)-UCP313-208D1** | $\frac{5}{32}$ | $7\frac{15}{32}$ | $5\frac{1}{2}$ | 22 | 26 |
| UC313-209D1 | P313D1 | **C(CM)-UCP313-209D1** | | | | | |
| UC314D1 | P314D1 | **C(CM)-UCP314D1** | 4 | 200 | 140 | 12 | 14 |
| UC314-210D1 | P314D1 | **C(CM)-UCP314-210D1** | | | | | |
| UC314-211D1 | P314D1 | **C(CM)-UCP314-211D1** | $\frac{5}{32}$ | $7\frac{7}{8}$ | $5\frac{1}{2}$ | 26 | 31 |
| UC314-212D1 | P314D1 | **C(CM)-UCP314-212D1** | | | | | |
| UC315D1 | P315D1 | **C(CM)-UCP315D1** | 4 | 210 | 150 | 14 | 17 |
| UC315-213D1 | P315D1 | **C(CM)-UCP315-213D1** | | | | | |
| UC315-214D1 | P315D1 | **C(CM)-UCP315-214D1** | $\frac{5}{32}$ | $8\frac{9}{32}$ | $5\frac{29}{32}$ | 31 | 37 |
| UC315-215D1 | P315D1 | **C(CM)-UCP315-215D1** | | | | | |
| UC315-300D1 | P315D1 | **C(CM)-UCP315-300D1** | | | | | |
| UC316D1 | P316D1 | **C(CM)-UCP316D1** | 4 | 221 | 155 | 17 | 21 |
| UC316-301D1 | P316D1 | **C(CM)-UCP316-301D1** | | | | | |
| UC316-302D1 | P316D1 | **C(CM)-UCP316-302D1** | $\frac{5}{32}$ | $8\frac{11}{16}$ | $6\frac{3}{32}$ | 37 | 46 |
| UC316-303D1 | P316D1 | **C(CM)-UCP316-303D1** | | | | | |
| UC317D1 | P317D1 | **C(CM)-UCP317D1** | 5 | 235 | 170 | 19 | 24 |
| UC317-304D1 | P317D1 | **C(CM)-UCP317-304D1** | | | | | |
| UC317-305D1 | P317D1 | **C(CM)-UCP317-305D1** | $\frac{13}{64}$ | $9\frac{1}{4}$ | $6\frac{11}{16}$ | 42 | 53 |
| UC317-307D1 | P317D1 | **C(CM)-UCP317-307D1** | | | | | |
| UC318D1 | P318D1 | **C(CM)-UCP318D1** | 5 | 246 | 170 | 22 | 27 |
| UC318-307D1 | P318D1 | **C(CM)-UCP318-307D1** | | | | | |
| UC318-308D1 | P318D1 | **C(CM)-UCP318-308D1** | $\frac{13}{64}$ | $9\frac{11}{16}$ | $6\frac{11}{16}$ | 49 | 60 |

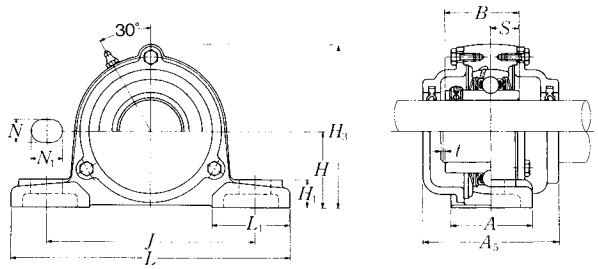
## Pillow block unit, cast housing
## Set screw type




| Shaft dia. mm / inch | Unit number (1) | Nominal dimensions mm / inch | | | | | | | | | | | Bolt size mm / inch |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | $H$ | $L$ | $J$ | $A$ | $N$ | $N_1$ | $H_1$ | $H_2$ | $L_1$ | $B$ | $S$ | |
| 95 | **UCP319D1** | 125 | 470 | 360 | 120 | 36 | 50 | 45 | 250 | 125 | 103 | 41 | M30 |
| $3\frac{5}{8}$ | **UCP319-310D1** | | | | | | | | | | | | |
| $3\frac{11}{16}$ | **UCP319-311D1** | $4\frac{59}{64}$ | $18\frac{1}{2}$ | $14\frac{3}{16}$ | $4\frac{23}{32}$ | $1\frac{13}{32}$ | $1\frac{31}{32}$ | $1\frac{25}{32}$ | $9\frac{27}{32}$ | $4\frac{29}{32}$ | 4.0551 | 1.614 | $1\frac{1}{8}$ |
| $3\frac{3}{4}$ | **UCP319-312D1** | | | | | | | | | | | | |
| 100 | **UCP320D1** | 140 | 490 | 380 | 120 | 36 | 50 | 50 | 275 | 130 | 108 | 42 | M30 |
| $3\frac{13}{16}$ | **UCP320-313D1** | | | | | | | | | | | | |
| $3\frac{7}{8}$ | **UCP320-314D1** | $5\frac{33}{64}$ | $19\frac{9}{32}$ | $14\frac{31}{32}$ | $4\frac{23}{32}$ | $1\frac{13}{32}$ | $1\frac{31}{32}$ | $1\frac{31}{32}$ | $10\frac{13}{16}$ | $5\frac{1}{8}$ | 4.2520 | 1.654 | $1\frac{1}{8}$ |
| $3\frac{15}{16}$ | **UCP320-315D1** | | | | | | | | | | | | |
| 4 | **UCP320-400D1** | | | | | | | | | | | | |
| 105 | **UCP321D1** | 140 | 490 | 380 | 120 | 36 | 50 | 50 | 280 | 130 | 112 | 44 | M30 |
| 110 | **UCP322D1** | 150 | 520 | 400 | 140 | 40 | 55 | 55 | 300 | 135 | 117 | 46 | M33 |
| 120 | **UCP324D1** | 160 | 570 | 450 | 140 | 40 | 55 | 65 | 320 | 140 | 126 | 51 | M33 |
| 130 | **UCP326D1** | 180 | 600 | 480 | 140 | 40 | 55 | 75 | 355 | 140 | 135 | 54 | M33 |
| 140 | **UCP328D1** | 200 | 620 | 500 | 140 | 40 | 55 | 75 | 390 | 140 | 145 | 59 | M33 |

**Note** (1) These numbers indicate relubricatable type. If maintenance free type is needed, please order without suffix "D1".
**Remarks** Please refer to page **A21** for size of grease fitting.

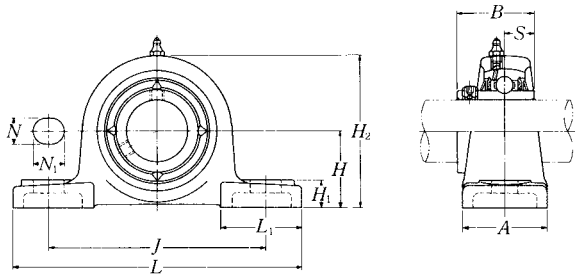





**Cast dust cover type**
Open end **C-UCP···D1**
Closed end **CM-UCP···D1**

| Bearing number | Housing number | Unit number (1) cast dust cover type | Nominal dimensions mm / inch | | | Mass of unit kg / lb | |
|---|---|---|---|---|---|---|---|
| | | | $t$ max. | $H_3$ | $A_5$ | UCP | C(CM) |
| UC319D1 | P319D1 | **C(CM)-UCP319D1** | 5 | 258 | 180 | 26 | 32 |
| UC319-310D1 | P319D1 | **C(CM)-UCP319-310D1** | | | | | |
| UC319-311D1 | P319D1 | **C(CM)-UCP319-311D1** | $\frac{13}{64}$ | $10\frac{5}{32}$ | $7\frac{3}{32}$ | 57 | 71 |
| UC319-312D1 | P319D1 | **C(CM)-UCP319-312D1** | | | | | |
| UC320D1 | P320D1 | **C(CM)-UCP320D1** | 5 | 283 | 190 | 33 | 39 |
| UC320-313D1 | P320D1 | **C(CM)-UCP320-313D1** | | | | | |
| UC320-314D1 | P320D1 | **C(CM)-UCP320-314D1** | $\frac{13}{64}$ | $11\frac{5}{32}$ | $7\frac{15}{32}$ | 73 | 86 |
| UC320-315D1 | P320D1 | **C(CM)-UCP320-315D1** | | | | | |
| UC320-400D1 | P320D1 | **C(CM)-UCP320-400D1** | | | | | |
| UC321D1 | P321D1 | **C(CM)-UCP321D1** | 5 | 290 | 195 | 35 | 42 |
| UC322D1 | P322D1 | **C(CM)-UCP322D1** | 5 | 313 | 200 | 43 | 52 |
| UC324D1 | P324D1 | **C(CM)-UCP324D1** | 5 | 335 | 215 | 50 | 67 |
| UC326D1 | P326D1 | **C(CM)-UCP326D1** | 6 | 375 | 225 | 69 | 83 |
| UC328D1 | P328D1 | **C(CM)-UCP328D1** | 6 | 407 | 235 | 84 | 99 |

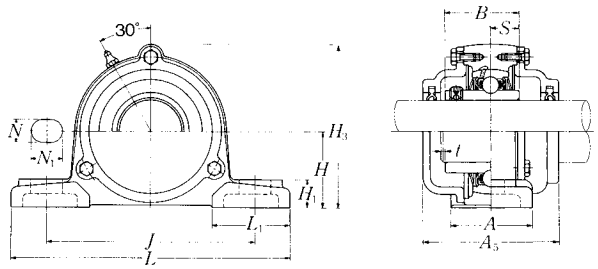
## Pillow block unit, cast housing
## Set screw type




| Shaft dia. mm / inch | Unit number (1) | Nominal dimensions mm / inch | | | | | | | | | | | Bolt size mm / inch |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | H | L | J | A | N | $N_1$ | $H_1$ | $H_2$ | $L_1$ | B | S | |
| 25 | **UCPX05D1** | 44.4 | 159 | 119 | 51 | 17 | 20 | 18 | 85 | 50 | 38.1 | 15.9 | M14 |
| 13/16 | **UCPX05-013D1** | | | | | | | | | | | | |
| 7/8 | **UCPX05-014D1** | 1 3/4 | 6 1/4 | 4 11/16 | 2 | 21/32 | 25/32 | 23/32 | 3 11/32 | 1 31/32 | 1.5000 | 0.626 | 1/2 |
| 15/16 | **UCPX05-015D1** | | | | | | | | | | | | |
| 1 | **UCPX05-100D1** | | | | | | | | | | | | |
| 30 | **UCPX06D1** | 47.6 | 175 | 127 | 57 | 17 | 20 | 20 | 93 | 54 | 42.9 | 17.5 | M14 |
| 1 1/16 | **UCPX06-101D1** | | | | | | | | | | | | |
| 1 1/8 | **UCPX06-102D1** | 1 7/8 | 6 7/8 | 5 | 2 1/4 | 21/32 | 25/32 | 25/32 | 3 21/32 | 2 1/8 | 1.6890 | 0.689 | 1/2 |
| 1 3/16 | **UCPX06-103D1** | | | | | | | | | | | | |
| 1 1/4 | **UCPX06-104D1** | | | | | | | | | | | | |
| 35 | **UCPX07D1** | 54 | 203 | 144 | 57 | 17 | 20 | 21 | 105 | 60 | 49.2 | 19 | M14 |
| 1 5/16 | **UCPX07-105D1** | | | | | | | | | | | | |
| 1 3/8 | **UCPX07-106D1** | 2 1/8 | 8 | 5 21/32 | 2 1/4 | 21/32 | 25/32 | 13/16 | 4 1/8 | 2 3/8 | 1.9370 | 0.748 | 1/2 |
| 1 7/16 | **UCPX07-107D1** | | | | | | | | | | | | |
| 40 | **UCPX08D1** | 58.7 | 222 | 156 | 67 | 20 | 23 | 26 | 111 | 65 | 49.2 | 19 | M16 |
| 1 1/2 | **UCPX08-108D1** | 2 5/16 | 8 3/4 | 6 5/32 | 2 5/8 | 25/32 | 29/32 | 1 1/32 | 4 3/8 | 2 9/16 | 1.9370 | 0.748 | 5/8 |
| 1 9/16 | **UCPX08-109D1** | | | | | | | | | | | | |
| 45 | **UCPX09D1** | 58.7 | 222 | 156 | 67 | 20 | 23 | 26 | 116 | 65 | 51.6 | 19 | M16 |
| 1 5/8 | **UCPX09-110D1** | | | | | | | | | | | | |
| 1 11/16 | **UCPX09-111D1** | 2 5/16 | 8 3/4 | 6 5/32 | 2 5/8 | 25/32 | 29/32 | 1 1/32 | 4 9/16 | 2 9/16 | 2.0315 | 0.748 | 5/8 |
| 1 3/4 | **UCPX09-112D1** | | | | | | | | | | | | |
| 1 13/16 | **UCPX09-113D1** | | | | | | | | | | | | |
| 50 | **UCPX10D1** | 63.5 | 241 | 171 | 73 | 20 | 23 | 27 | 126 | 70 | 55.6 | 22.2 | M16 |
| 1 7/8 | **UCPX10-114D1** | | | | | | | | | | | | |
| 1 15/16 | **UCPX10-115D1** | 2 1/2 | 9 1/2 | 6 23/32 | 2 7/8 | 25/32 | 29/32 | 1 1/16 | 4 31/32 | 2 3/4 | 2.1890 | 0.874 | 5/8 |
| 2 | **UCPX10-200D1** | | | | | | | | | | | | |

**Note** (1) These numbers indicate relubricatable type. If maintenance free type is needed, please order without suffix "D1".
**Remarks** Please refer to page **A21** for size of grease fitting.

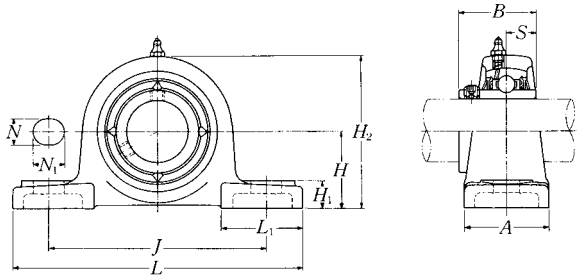





**Cast dust cover type**
Open end **C-UCP···D1**
Closed end **CM-UCP···D1**

| Bearing number | Housing number | Unit number (1) cast dust cover type | Nominal dimensions mm / inch | | | Mass of unit kg / lb | |
|---|---|---|---|---|---|---|---|
| | | | t max. | $H_3$ | $A_5$ | UCP | C(CM) |
| UCX05D1 | PX05D1 | **C(CM)-UCPX05D1** | 2 | 89 | 75 | 1.4 | 1.8 |
| UCX05-013D1 | PX05D1 | **C(CM)-UCPX05-013D1** | | | | | |
| UCX05-014D1 | PX05D1 | **C(CM)-UCPX05-014D1** | 5/64 | 3 1/2 | 2 15/16 | 3.1 | 4.0 |
| UCX05-015D1 | PX05D1 | **C(CM)-UCPX05-015D1** | | | | | |
| UCX05-100D1 | PX05D1 | **C(CM)-UCPX05-100D1** | | | | | |
| UCX06D1 | PX06D1 | **C(CM)-UCPX06D1** | 2 | 99 | 80 | 1.9 | 2.4 |
| UCX06-101D1 | PX06D1 | **C(CM)-UCPX06-101D1** | | | | | |
| UCX06-102D1 | PX06D1 | **C(CM)-UCPX06-102D1** | 5/64 | 3 29/32 | 3 5/32 | 4.2 | 5.3 |
| UCX06-103D1 | PX06D1 | **C(CM)-UCPX06-103D1** | | | | | |
| UC207-104D1 | PX06D1 | **C(CM)-UCPX06-104D1** | | | | | |
| UCX07D1 | PX07D1 | **C(CM)-UCPX07D1** | 3 | 110 | 90 | 2.4 | 3.3 |
| UCX07-105D1 | PX07D1 | **C(CM)-UCPX07-105D1** | | | | | |
| UCX07-106D1 | PX07D1 | **C(CM)-UCPX07-106D1** | 1/8 | 4 11/32 | 3 17/32 | 5.3 | 7.3 |
| UCX07-107D1 | PX07D1 | **C(CM)-UCPX07-107D1** | | | | | |
| UCX08D1 | PX08D1 | **C(CM)-UCPX08D1** | 3 | 118 | 95 | 2.9 | 3.8 |
| UCX08-108D1 | PX08D1 | **C(CM)-UCPX08-108D1** | 1/8 | 4 21/32 | 3 3/4 | 6.4 | 8.4 |
| UCX08-109D1 | PX08D1 | **C(CM)-UCPX08-109D1** | | | | | |
| UCX09D1 | PX09D1 | **C(CM)-UCPX09D1** | 3 | 120 | 100 | 3.2 | 4.2 |
| UCX09-110D1 | PX09D1 | **C(CM)-UCPX09-110D1** | | | | | |
| UCX09-111D1 | PX09D1 | **C(CM)-UCPX09-111D1** | 1/8 | 4 23/32 | 3 15/16 | 7.1 | 9.3 |
| UCX09-112D1 | PX09D1 | **C(CM)-UCPX09-112D1** | | | | | |
| UC210-113D1 | PX09D1 | **C(CM)-UCPX09-113D1** | | | | | |
| UCX10D1 | PX10D1 | **C(CM)-UCPX10D1** | 3 | 130 | 100 | 4.1 | 5.4 |
| UCX10-114D1 | PX10D1 | **C(CM)-UCPX10-114D1** | | | | | |
| UCX10-115D1 | PX10D1 | **C(CM)-UCPX10-115D1** | 1/8 | 5 1/8 | 3 15/16 | 9.0 | 12 |
| UC211-200D1 | PX10D1 | **C(CM)-UCPX10-200D1** | | | | | |

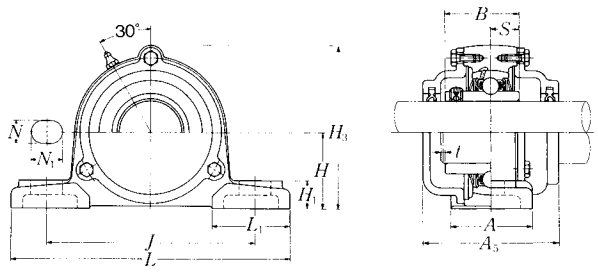
## Pillow block unit, cast housing
## Set screw type




| Shaft dia. mm / inch | Unit number (1) | Nominal dimensions mm / inch H | L | J | A | N | N1 | H1 | H2 | L1 | B | S | Bolt size mm / inch |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 55 | **UCPX11D1** | 69.8 | 260 | 184 | 79 | 25 | 28 | 30 | 137 | 75 | 65.1 | 25.4 | M20 |
| 2 1/16 | **UCPX11-201D1** | | | | | | | | | | | | |
| 2 1/8 | **UCPX11-202D1** | | | | | | | | | | | | |
| 2 3/16 | **UCPX11-203D1** | 2 3/4 | 10 1/4 | 7 1/4 | 3 1/8 | 31/32 | 1 3/32 | 1 3/16 | 5 13/32 | 2 15/16 | 2.5630 | 1.000 | 3/4 |
| 2 1/4 | **UCPX11-204D1** | | | | | | | | | | | | |
| 2 5/16 | **UCPX11-205D1** | | | | | | | | | | | | |
| 60 | **UCPX12D1** | 76.2 | 286 | 203 | 83 | 25 | 28 | 33 | 151 | 80 | 65.1 | 25.4 | M20 |
| 2 3/8 | **UCPX12-206D1** | 3 | 11 1/4 | 8 | 3 9/32 | 31/32 | 1 3/32 | 1 5/16 | 5 15/16 | 3 5/32 | 2.5630 | 1.000 | 3/4 |
| 2 7/16 | **UCPX12-207D1** | | | | | | | | | | | | |
| 65 | **UCPX13D1** | 76.2 | 286 | 203 | 83 | 25 | 28 | 33 | 154 | 80 | 74.6 | 30.2 | M20 |
| 2 1/2 | **UCPX13-208D1** | 3 | 11 1/4 | 8 | 3 9/32 | 31/32 | 1 3/32 | 1 5/16 | 6 1/16 | 3 5/32 | 2.9370 | 1.189 | 3/4 |
| 2 9/16 | **UCPX13-209D1** | | | | | | | | | | | | |
| 70 | **UCPX14D1** | 88.9 | 330 | 229 | 89 | 27 | 30 | 35 | 170 | 95 | 77.8 | 33.3 | M22 |
| 2 5/8 | **UCPX14-210D1** | | | | | | | | | | | | |
| 2 11/16 | **UCPX14-211D1** | 3 1/2 | 13 | 9 1/32 | 3 1/2 | 1 1/16 | 1 3/16 | 1 3/8 | 6 11/16 | 3 3/4 | 3.0630 | 1.311 | 7/8 |
| 2 3/4 | **UCPX14-212D1** | | | | | | | | | | | | |
| 75 | **UCPX15D1** | 88.9 | 330 | 229 | 89 | 27 | 30 | 35 | 175 | 95 | 82.6 | 33.3 | M22 |
| 2 13/16 | **UCPX15-213D1** | | | | | | | | | | | | |
| 2 7/8 | **UCPX15-214D1** | 3 1/2 | 13 | 9 1/32 | 3 1/2 | 1 1/16 | 1 3/16 | 1 3/8 | 6 7/8 | 3 3/4 | 3.2520 | 1.311 | 7/8 |
| 2 15/16 | **UCPX15-215D1** | | | | | | | | | | | | |
| 3 | **UCPX15-300D1** | | | | | | | | | | | | |
| 80 | **UCPX16D1** | 101.6 | 381 | 283 | 102 | 27 | 30 | 40 | 194 | 110 | 85.7 | 34.1 | M22 |
| 3 1/16 | **UCPX16-301D1** | | | | | | | | | | | | |
| 3 1/8 | **UCPX16-302D1** | 4 | 15 | 11 5/32 | 4 1/32 | 1 1/16 | 1 3/16 | 1 9/16 | 7 5/8 | 4 11/32 | 3.3740 | 1.343 | 7/8 |
| 3 3/16 | **UCPX16-303D1** | | | | | | | | | | | | |
| 3 1/4 | **UCPX16-304D1** | | | | | | | | | | | | |
| 85 | **UCPX17D1** | 101.6 | 381 | 283 | 102 | 27 | 30 | 40 | 200 | 110 | 96 | 39.7 | M22 |
| 3 5/16 | **UCPX17-305D1** | 4 | 15 | 11 5/32 | 4 1/32 | 1 1/16 | 1 3/16 | 1 9/16 | 7 7/8 | 4 11/32 | 3.7795 | 1.563 | 7/8 |
| 3 7/16 | **UCPX17-307D1** | | | | | | | | | | | | |

**Note** (1) These numbers indicate relubricatable type. If maintenance free type is needed, please order without suffix "D1".
**Remarks** Please refer to page **A21** for size of grease fitting.

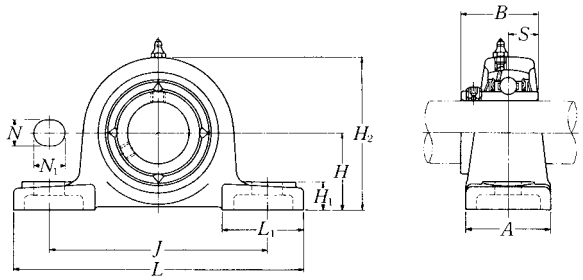





**Cast dust cover type**
Open end **C-UCP···D1**
Closed end **CM-UCP···D1**

| Bearing number | Housing number | Unit number (1) cast dust cover type | Nominal dimensions mm / inch t max. | H3 | A5 | Mass of unit kg / lb UCP | C(CM) |
|---|---|---|---|---|---|---|---|
| UCX11D1 | PX11D1 | **C(CM)-UCPX11D1** | 4 | 144 | 115 | 5.4 | 6.9 |
| UCX11-201D1 | PX11D1 | **C(CM)-UCPX11-201D1** | | | | | |
| UCX11-202D1 | PX11D1 | **C(CM)-UCPX11-202D1** | | | | | |
| UCX11-203D1 | PX11D1 | **C(CM)-UCPX11-203D1** | 5/32 | 5 21/32 | 4 17/32 | 12 | 15 |
| UC212-204D1 | PX11D1 | **C(CM)-UCPX11-204D1** | | | | | |
| UC212-205D1 | PX11D1 | **C(CM)-UCPX11-205D1** | | | | | |
| UCX12D1 | PX12D1 | **C(CM)-UCPX12D1** | 4 | 155 | 120 | 6.8 | 8.6 |
| UCX12-206D1 | PX12D1 | **C(CM)-UCPX12-206D1** | 5/32 | 6 3/32 | 4 23/32 | 15 | 19 |
| UCX12-207D1 | PX12D1 | **C(CM)-UCPX12-207D1** | | | | | |
| UCX13D1 | PX13D1 | **C(CM)-UCPX13D1** | 4 | 159 | 135 | 7.2 | 9.4 |
| UCX13-208D1 | PX13D1 | **C(CM)-UCPX13-208D1** | 5/32 | 6 1/4 | 5 5/16 | 16 | 21 |
| UCX13-209D1 | PX13D1 | **C(CM)-UCPX13-209D1** | | | | | |
| UCX14D1 | PX14D1 | **C(CM)-UCPX14D1** | 4 | 175 | 135 | 9.3 | 12 |
| UCX14-210D1 | PX14D1 | **C(CM)-UCPX14-210D1** | | | | | |
| UCX14-211D1 | PX14D1 | **C(CM)-UCPX14-211D1** | 5/32 | 6 7/8 | 5 5/16 | 21 | 26 |
| UCX14-212D1 | PX14D1 | **C(CM)-UCPX14-212D1** | | | | | |
| UCX15D1 | PX15D1 | **C(CM)-UCPX15D1** | 4 | 181 | 145 | 10 | 13 |
| UCX15-213D1 | PX15D1 | **C(CM)-UCPX15-213D1** | | | | | |
| UCX15-214D1 | PX15D1 | **C(CM)-UCPX15-214D1** | 5/32 | 7 1/8 | 5 23/32 | 22 | 29 |
| UCX15-215D1 | PX15D1 | **C(CM)-UCPX15-215D1** | | | | | |
| UCX15-300D1 | PX15D1 | **C(CM)-UCPX15-300D1** | | | | | |
| UCX16D1 | PX16D1 | **C(CM)-UCPX16D1** | 4 | 198 | 155 | 14 | 17 |
| UCX16-301D1 | PX16D1 | **C(CM)-UCPX16-301D1** | | | | | |
| UCX16-302D1 | PX16D1 | **C(CM)-UCPX16-302D1** | 5/32 | 7 25/32 | 6 3/32 | 31 | 37 |
| UCX16-303D1 | PX16D1 | **C(CM)-UCPX16-303D1** | | | | | |
| UC217-304D1 | PX16D1 | **C(CM)-UCPX16-304D1** | | | | | |
| UCX17D1 | PX17D1 | **C(CM)-UCPX17D1** | 5 | 204 | 165 | 15 | 19 |
| UCX17-305D1 | PX17D1 | **C(CM)-UCPX17-305D1** | 13/64 | 8 1/32 | 6 1/2 | 33 | 42 |
| UCX17-307D1 | PX17D1 | **C(CM)-UCPX17-307D1** | | | | | |

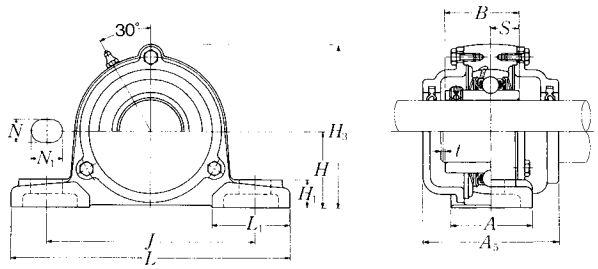
## Pillow block unit, cast housing
## Set screw type




| Shaft dia. mm / inch | Unit number (1) | Nominal dimensions mm / inch | | | | | | | | | | | Bolt size mm / inch |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | $H$ | $L$ | $J$ | $A$ | $N$ | $N_1$ | $H_1$ | $H_2$ | $L_1$ | $B$ | $S$ | |
| 90 | **UCPX18D1** | 101.6 | 381 | 283 | 111 | 27 | 30 | 40 | 206 | 110 | 104 | 42.9 | M22 |
| $3\frac{7}{16}$ | **UCPX18-307D1** | | | | | | | | | | | | |
| $3\frac{1}{2}$ | **UCPX18-308D1** | 4 | 15 | $11\frac{5}{32}$ | $4\frac{3}{8}$ | $1\frac{1}{16}$ | $1\frac{3}{16}$ | $1\frac{9}{16}$ | $8\frac{1}{8}$ | $4\frac{11}{32}$ | 4.0945 | 1.689 | $\frac{7}{8}$ |
| 100 | **UCPX20D1** | 127 | 432 | 337 | 121 | 33 | 36 | 45 | 244 | 125 | 117.5 | 49.2 | M27 |
| $3\frac{13}{16}$ | **UCPX20-313D1** | | | | | | | | | | | | |
| $3\frac{7}{8}$ | **UCPX20-314D1** | | | | | | | | | | | | |
| $3\frac{15}{16}$ | **UCPX20-315D1** | 5 | 17 | $13\frac{9}{32}$ | $4\frac{3}{4}$ | $1\frac{5}{16}$ | $1\frac{13}{32}$ | $1\frac{25}{32}$ | $9\frac{19}{32}$ | $4\frac{29}{32}$ | 4.6260 | 1.937 | 1 |
| 4 | **UCPX20-400D1** | | | | | | | | | | | | |

**Note** (1) These numbers indicate relubricatable type. If maintenance free type is needed, please order without suffix "D1".
**Remarks** Please refer to page **A21** for size of grease fitting.

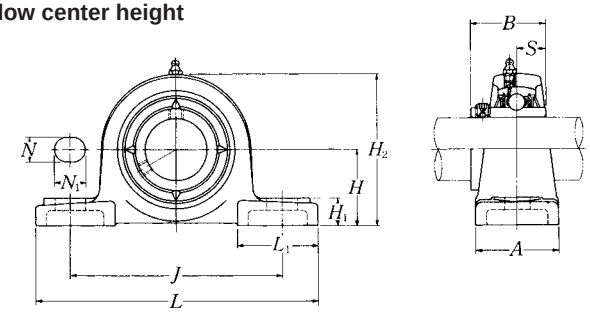





**Cast dust cover type**
Open end **C-UCP···D1**
Closed end **CM-UCP···D1**

| Bearing number | Housing number | Unit number (1) cast dust cover type | Nominal dimensions mm / inch | | | Mass of unit kg / lb | |
|---|---|---|---|---|---|---|---|
| | | | $t$ max. | $H_3$ | $A_5$ | UCP | C(CM) |
| UCX18D1 | PX18D1 | **C(CM)-UCPX18D1** | 5 | 208 | 180 | 16 | 21 |
| UCX18-307D1 | PX18D1 | **C(CM)-UCPX18-307D1** | | | | | |
| UCX18-308D1 | PX18D1 | **C(CM)-UCPX18-308D1** | $\frac{13}{64}$ | $8\frac{3}{16}$ | $7\frac{3}{32}$ | 35 | 46 |
| UCX20D1 | PX20D1 | **C(CM)-UCPX20D1** | 5 | 244 | 195 | 25 | 29 |
| UCX20-313D1 | PX20D1 | **C(CM)-UCPX20-313D1** | | | | | |
| UCX20-314D1 | PX20D1 | **C(CM)-UCPX20-314D1** | | | | | |
| UCX20-315D1 | PX20D1 | **C(CM)-UCPX20-315D1** | $\frac{13}{64}$ | $9\frac{19}{32}$ | $7\frac{11}{16}$ | 55 | 64 |
| UCX20-400D1 | PX20D1 | **C(CM)-UCPX20-400D1** | | | | | |

## Pillow block unit, cast housing low center height
## Set screw type

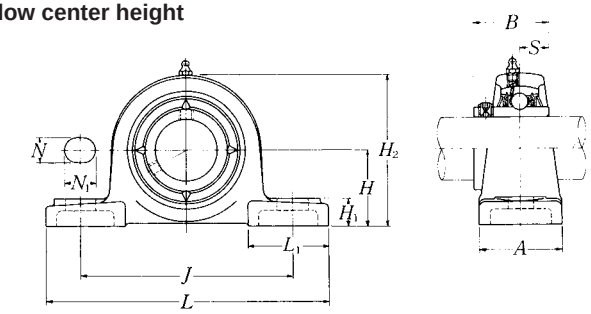



| Shaft dia. mm / inch | Unit number (1)(2)(3) | Nominal dimensions mm / inch | | | | | | | | | | | Bolt size mm / inch |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | *H* | *L* | *J* | *A* | *N* | $N_1$ | $H_1$ | $H_2$ | $L_1$ | *B* | *S* | |
| 20 | **UCPL204D1** | 31.75 | 127 | 95 | 38 | 13 | 16 | 14 | 64 | 42 | 31 | 12.7 | M10 |
| 3/4 | **UCPL204-012D1** | 1 1/4 | 5 | 3 3/4 | 1 1/2 | 1/2 | 5/8 | 9/16 | 2 17/32 | 1 21/32 | 1.2205 | 0.500 | 3/8 |
| 25 | **UCPL205D1** | 33.34 | 140 | 105 | 38 | 13 | 16 | 15 | 68 | 42 | 34.1 | 14.3 | M10 |
| 13/16 | **UCPL205-013D1** | | | | | | | | | | | | |
| 7/8 | **UCPL205-014D1** | | | | | | | | | | | | |
| 15/16 | **UCPL205-015D1** | 1 5/16 | 5 1/2 | 4 1/8 | 1 1/2 | 1/2 | 5/8 | 19/32 | 2 11/16 | 1 21/32 | 1.3425 | 0.563 | 3/8 |
| 1 | **UCPL205-100D1** | | | | | | | | | | | | |
| 30 | **UCPL206D1** | 39.69 | 165 | 121 | 48 | 17 | 20 | 17 | 80 | 54 | 38.1 | 15.9 | M14 |
| 1 1/16 | **UCPL206-101D1** | | | | | | | | | | | | |
| 1 1/8 | **UCPL206-102D1** | | | | | | | | | | | | |
| 1 3/16 | **UCPL206-103D1** | 1 9/16 | 6 1/2 | 4 3/4 | 1 7/8 | 21/32 | 25/32 | 21/32 | 3 5/32 | 2 1/8 | 1.5000 | 0.626 | 1/2 |
| 1 1/4 | **UCPL206-104D1** | | | | | | | | | | | | |
| 35 | **UCPL207D1** | 46.04 | 167 | 127 | 48 | 17 | 20 | 18 | 91 | 54 | 42.9 | 17.5 | M14 |
| 1 1/4 | **UCPL207-104D1** | | | | | | | | | | | | |
| 1 5/16 | **UCPL207-105D1** | | | | | | | | | | | | |
| 1 3/8 | **UCPL207-106D1** | 1 13/16 | 6 9/16 | 5 | 1 7/8 | 21/32 | 25/32 | 23/32 | 3 19/32 | 2 1/8 | 1.6890 | 0.689 | 1/2 |
| 1 7/16 | **UCPL207-107D1** | | | | | | | | | | | | |
| 45 | **UCPL209D1** | 52.39 | 190 | 146 | 54 | 17 | 20 | 20 | 104 | 60 | 49.2 | 19 | M14 |
| 1 5/8 | **UCPL209-110D1** | | | | | | | | | | | | |
| 1 11/16 | **UCPL209-111D1** | 2 1/16 | 7 15/32 | 5 3/4 | 2 1/8 | 21/32 | 25/32 | 25/32 | 4 3/32 | 2 3/8 | 1.9370 | 0.748 | 1/2 |
| 1 3/4 | **UCPL209-112D1** | | | | | | | | | | | | |
| 50 | **UCPL210D1** | 55.56 | 206 | 159 | 60 | 20 | 23 | 21 | 112 | 65 | 51.6 | 19 | M16 |
| 1 13/16 | **UCPL210-113D1** | | | | | | | | | | | | |
| 1 7/8 | **UCPL210-114D1** | | | | | | | | | | | | |
| 1 15/16 | **UCPL210-115D1** | 2 3/16 | 8 1/8 | 6 1/4 | 2 3/8 | 25/32 | 29/32 | 13/16 | 4 13/32 | 2 9/16 | 2.0315 | 0.748 | 5/8 |
| 2 | **UCPL210-200D1** | | | | | | | | | | | | |

| Bearing number | Housing number | Mass of unit kg / lb |
|---|---|---|
| UC204D1 | PL204D1 | 0.7 |
| UC204-012D1 | PL204D1 | 1.5 |
| UC205D1 | PL205D1 | 0.8 |
| UC205-013D1 | PL205D1 | |
| UC205-014D1 | PL205D1 | |
| UC205-015D1 | PL205D1 | 1.8 |
| UC205-100D1 | PL205D1 | |
| UC206D1 | PL206D1 | 1.3 |
| UC206-101D1 | PL206D1 | |
| UC206-102D1 | PL206D1 | |
| UC206-103D1 | PL206D1 | 2.9 |
| UC206-104D1 | PL206D1 | |
| UC207D1 | PL207D1 | 1.6 |
| UC207-104D1 | PL207D1 | |
| UC207-105D1 | PL207D1 | |
| UC207-106D1 | PL207D1 | 3.5 |
| UC207-107D1 | PL207D1 | |
| UC209D1 | PL209D1 | 2.2 |
| UC209-110D1 | PL209D1 | |
| UC209-111D1 | PL209D1 | 4.9 |
| UC209-112D1 | PL209D1 | |
| UC210D1 | PL210D1 | 2.8 |
| UC210-113D1 | PL210D1 | |
| UC210-114D1 | PL210D1 | |
| UC210-115D1 | PL210D1 | 6.2 |
| UC210-200D1 | PL210D1 | |

**Notes** (1) These numbers indicate relubricatable type. If maintenance free type is needed, please order without suffix "D1".
(2) UCPL204 and UCPL205 has solid bases.
(3) UCPL208 has the same dimension as UCP208 shown in page **B4**.
**Remarks** Please refer to page **A21** for size of grease fitting.

## Pillow block unit, cast housing low center height
## Set screw type

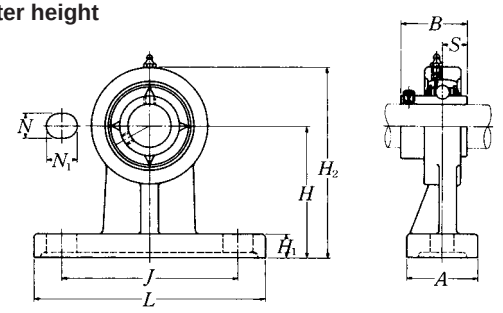



| Shaft dia. mm / inch | Unit number (1) | Nominal dimensions mm inch | | | | | | | | | | | Bolt size mm / inch |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | *H* | *L* | *J* | *A* | *N* | $N_1$ | $H_1$ | $H_2$ | $L_1$ | *B* | *S* | |
| 55 | **UCPL211D1** | 61.91 | 219 | 171 | 60 | 20 | 23 | 23 | 124 | 65 | 55.6 | 22.2 | M16 |
| 2 | **UCPL211-200D1** | | | | | | | | | | | | |
| $2\frac{1}{16}$ | **UCPL211-201D1** | $2\frac{7}{16}$ | $8\frac{5}{8}$ | $6\frac{23}{32}$ | $2\frac{3}{8}$ | $\frac{25}{32}$ | $\frac{29}{32}$ | $\frac{29}{32}$ | $4\frac{7}{8}$ | $2\frac{9}{16}$ | 2.1890 | 0.874 | $\frac{5}{8}$ |
| $2\frac{1}{8}$ | **UCPL211-202D1** | | | | | | | | | | | | |
| $2\frac{3}{16}$ | **UCPL211-203D1** | | | | | | | | | | | | |
| 60 | **UCPL212D1** | 68.26 | 241 | 184 | 70 | 20 | 23 | 25 | 136 | 70 | 65.1 | 25.4 | M16 |
| $2\frac{1}{4}$ | **UCPL212-204D1** | | | | | | | | | | | | |
| $2\frac{5}{16}$ | **UCPL212-205D1** | $2\frac{11}{16}$ | $9\frac{1}{2}$ | $7\frac{1}{4}$ | $2\frac{3}{4}$ | $\frac{25}{32}$ | $\frac{29}{32}$ | $\frac{31}{32}$ | $5\frac{11}{32}$ | $2\frac{3}{4}$ | 2.5630 | 1.000 | $\frac{5}{8}$ |
| $2\frac{3}{8}$ | **UCPL212-206D1** | | | | | | | | | | | | |
| $2\frac{7}{16}$ | **UCPL212-207D1** | | | | | | | | | | | | |

**Note** (1) These numbers indicate relubricatable type. If maintenance free type is needed, please order without suffix "D1".
**Remarks** Please refer to page **A21** for size of grease fitting.

| Bearing number | Housing number | Mass of unit kg / lb |
|---|---|---|
| UC211D1 | PL211D1 | 3.4 |
| UC211-200D1 | PL211D1 | |
| UC211-201D1 | PL211D1 | 7.5 |
| UC211-202D1 | PL211D1 | |
| UC211-203D1 | PL211D1 | |
| UC212D1 | PL212D1 | 4.7 |
| UC212-204D1 | PL212D1 | |
| UC212-205D1 | PL212D1 | 10 |
| UC212-206D1 | PL212D1 | |
| UC212-207D1 | PL212D1 | |

## Pillow block unit, cast housing high center height
## Set screw type

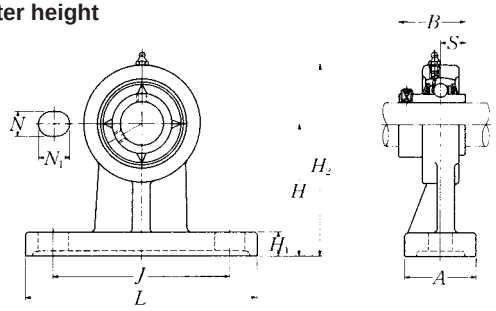



| Shaft dia. mm / inch | Unit number (1) | Nominal dimensions mm / inch H | L | J | A | N | $N_1$ | $H_1$ | $H_2$ | B | S | Bolt size mm / inch |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 12 | UCHP201D1 | 70 | 127 | 95 | 40 | 13 | 19 | 13 | 101 | 31 | 12.7 | M10 |
| 1/2 | UCHP201-008D1 | 2 3/4 | 5 | 3 3/4 | 1 9/16 | 1/2 | 3/4 | 1/2 | 3 31/32 | 1.2205 | 0.500 | 3/8 |
| 15 | UCHP202D1 | 70 | 127 | 95 | 40 | 13 | 19 | 13 | 101 | 31 | 12.7 | M10 |
| 9/16 | UCHP202-009D1 | | | | | | | | | | | |
| 5/8 | UCHP202-010D1 | 2 3/4 | 5 | 3 3/4 | 1 9/16 | 1/2 | 3/4 | 1/2 | 3 31/32 | 1.2205 | 0.500 | 3/8 |
| 17 | UCHP203D1 | 70 | 127 | 95 | 40 | 13 | 19 | 13 | 101 | 31 | 12.7 | M10 |
| 11/16 | UCHP203-011D1 | 2 3/4 | 5 | 3 3/4 | 1 9/16 | 1/2 | 3/4 | 1/2 | 3 31/32 | 1.2205 | 0.500 | 3/8 |
| 20 | UCHP204D1 | 70 | 127 | 95 | 40 | 13 | 19 | 13 | 101 | 31 | 12.7 | M10 |
| 3/4 | UCHP204-012D1 | 2 3/4 | 5 | 3 3/4 | 1 9/16 | 1/2 | 3/4 | 1/2 | 3 31/32 | 1.2205 | 0.500 | 3/8 |
| 25 | UCHP205D1 | 80 | 142 | 105 | 50 | 13 | 19 | 13 | 114 | 34.1 | 14.3 | M10 |
| 13/16 | UCHP205-013D1 | | | | | | | | | | | |
| 7/8 | UCHP205-014D1 | | | | | | | | | | | |
| 15/16 | UCHP205-015D1 | 3 5/32 | 5 19/32 | 4 1/8 | 1 31/32 | 1/2 | 3/4 | 1/2 | 4 1/2 | 1.3425 | 0.563 | 3/8 |
| 1 | UCHP205-100D1 | | | | | | | | | | | |
| 30 | UCHP206D1 | 90 | 165 | 120 | 50 | 17 | 21 | 16 | 130 | 38.1 | 15.9 | M14 |
| 1 1/16 | UCHP206-101D1 | | | | | | | | | | | |
| 1 1/8 | UCHP206-102D1 | | | | | | | | | | | |
| 1 3/16 | UCHP206-103D1 | 3 35/64 | 6 1/2 | 4 23/32 | 1 31/32 | 21/32 | 13/16 | 5/8 | 5 1/8 | 1.5000 | 0.626 | 1/2 |
| 1 1/4 | UCHP206-104D1 | | | | | | | | | | | |
| 35 | UCHP207D1 | 95 | 166 | 127 | 60 | 17 | 21 | 18 | 140 | 42.9 | 17.5 | M14 |
| 1 1/4 | UCHP207-104D1 | | | | | | | | | | | |
| 1 5/16 | UCHP207-105D1 | | | | | | | | | | | |
| 1 3/8 | UCHP207-106D1 | 3 47/64 | 6 17/32 | 5 | 2 3/8 | 21/32 | 13/16 | 23/32 | 5 1/2 | 1.6890 | 0.689 | 1/2 |
| 1 7/16 | UCHP207-107D1 | | | | | | | | | | | |
| 40 | UCHP208D1 | 100 | 184 | 136 | 70 | 17 | 21 | 20 | 150 | 49.2 | 19 | M14 |
| 1 1/2 | UCHP208-108D1 | | | | | | | | | | | |
| 1 9/16 | UCHP208-109D1 | 3 15/16 | 7 1/4 | 5 11/32 | 2 3/4 | 21/32 | 13/16 | 25/32 | 5 29/32 | 1.9370 | 0.748 | 1/2 |

| Bearing number | Housing number | Mass of unit kg / lb |
|---|---|---|
| UC201D1 | HP204D1 | 0.9 |
| UC201-008D1 | HP204D1 | 2.0 |
| UC202D1 | HP204D1 | 0.9 |
| UC202-009D1 | HP204D1 | |
| UC202-010D1 | HP204D1 | 2.0 |
| UC203D1 | HP204D1 | 0.9 |
| UC203-011D1 | HP204D1 | 2.0 |
| UC204D1 | HP204D1 | 0.9 |
| UC204-012D1 | HP204D1 | 2.0 |
| UC205D1 | HP205D1 | 1.2 |
| UC205-013D1 | HP205D1 | |
| UC205-014D1 | HP205D1 | |
| UC205-015D1 | HP205D1 | 2.6 |
| UC205-100D1 | HP205D1 | |
| UC206D1 | HP206D1 | 1.8 |
| UC206-101D1 | HP206D1 | |
| UC206-102D1 | HP206D1 | |
| UC206-103D1 | HP206D1 | 4.0 |
| UC206-104D1 | HP206D1 | |
| UC207D1 | HP207D1 | 2.3 |
| UC207-104D1 | HP207D1 | |
| UC207-105D1 | HP207D1 | |
| UC207-106D1 | HP207D1 | 5.1 |
| UC207-107D1 | HP207D1 | |
| UC208D1 | HP208D1 | 3.2 |
| UC208-108D1 | HP208D1 | |
| UC208-109D1 | HP208D1 | 7.1 |

**Note** (1) These numbers indicate relubricatable type. If maintenance free type is needed, please order without suffix "D1".
**Remarks** Please refer to page **A21** for size of grease fitting.

## Pillow block unit, cast housing high center height
## Set screw type

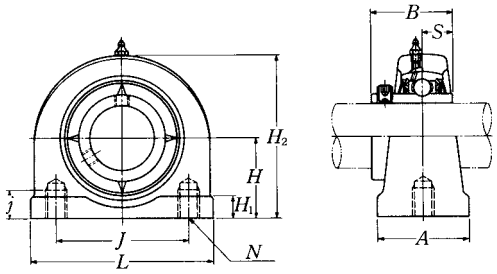



| Shaft dia. mm / inch | Unit number (1) | Nominal dimensions mm / inch | | | | | | | | | | Bolt size mm / inch |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | H | L | J | A | N | $N_1$ | $H_1$ | $H_2$ | B | S | |
| 45 | **UCHP209D1** | 105 | 190 | 146 | 70 | 17 | 22 | 20 | 158 | 49.2 | 19 | M14 |
| $1\frac{5}{8}$ | **UCHP209-110D1** | | | | | | | | | | | |
| $1\frac{11}{16}$ | **UCHP209-111D1** | $4\frac{9}{64}$ | $7\frac{15}{32}$ | $5\frac{3}{4}$ | $2\frac{3}{4}$ | $\frac{21}{32}$ | $\frac{7}{8}$ | $\frac{25}{32}$ | $6\frac{7}{32}$ | 1.9370 | 0.748 | $\frac{1}{2}$ |
| $1\frac{3}{4}$ | **UCHP209-112D1** | | | | | | | | | | | |
| 50 | **UCHP210D1** | 110 | 206 | 159 | 70 | 20 | 22 | 22 | 165 | 51.6 | 19 | M16 |
| $1\frac{13}{16}$ | **UCHP210-113D1** | | | | | | | | | | | |
| $1\frac{7}{8}$ | **UCHP210-114D1** | $4\frac{21}{64}$ | $8\frac{1}{8}$ | $6\frac{1}{4}$ | $2\frac{3}{4}$ | $\frac{25}{32}$ | $\frac{7}{8}$ | $\frac{7}{8}$ | $6\frac{1}{2}$ | 2.0315 | 0.748 | $\frac{5}{8}$ |
| $1\frac{15}{16}$ | **UCHP210-115D1** | | | | | | | | | | | |
| 2 | **UCHP210-200D1** | | | | | | | | | | | |

| Bearing number | Housing number | Mass of unit kg / lb |
|---|---|---|
| UC209D1 | HP209D1 | 3.5 |
| UC209-110D1 | HP209D1 | |
| UC209-111D1 | HP209D1 | 7.7 |
| UC209-112D1 | HP209D1 | |
| UC210D1 | HP210D1 | 3.9 |
| UC210-113D1 | HP210D1 | |
| UC210-114D1 | HP210D1 | 8.6 |
| UC210-115D1 | HP210D1 | |
| UC210-200D1 | HP210D1 | |

**Note** (1) These numbers indicate relubricatable type. If maintenance free type is needed, please order without suffix "D1".
**Remarks** Please refer to page **A21** for size of grease fitting.

## Narrow pillow block unit, cast housing
## Set screw type

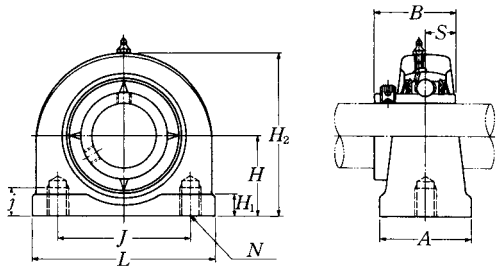



| Shaft dia. mm / inch | Unit number (1) | Nominal dimensions mm / inch | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | H | L | J | A | j | $H_1$ | $H_2$ | B | S | N |
| 12 | UCUP201D1 | 30.2 | 76 | 52 | 38 | 13 | 11 | 62 | 31 | 12.7 | M10×1.5 |
| 1/2 | UCUP201-008D1 | 1 3/16 | 3 | 2 1/16 | 1 1/2 | 1/2 | 7/16 | 2 7/16 | 1.2205 | 0.500 | |
| 15 | UCUP202D1 | 30.2 | 76 | 52 | 38 | 13 | 11 | 62 | 31 | 12.7 | M10×1.5 |
| 9/16 | UCUP202-009D1 | | | | | | | | | | |
| 5/8 | UCUP202-010D1 | 1 3/16 | 3 | 2 1/16 | 1 1/2 | 1/2 | 7/16 | 2 7/16 | 1.2205 | 0.500 | |
| 17 | UCUP203D1 | 30.2 | 76 | 52 | 38 | 13 | 11 | 62 | 31 | 12.7 | M10×1.5 |
| 11/16 | UCUP203-011D1 | 1 3/16 | 3 | 2 1/16 | 1 1/2 | 1/2 | 7/16 | 2 7/16 | 1.2205 | 0.500 | |
| 20 | UCUP204D1 | 30.2 | 76 | 52 | 38 | 13 | 11 | 62 | 31 | 12.7 | M10×1.5 |
| 3/4 | UCUP204-012D1 | 1 3/16 | 3 | 2 1/16 | 1 1/2 | 1/2 | 7/16 | 2 7/16 | 1.2205 | 0.500 | |
| 25 | UCUP205D1 | 36.5 | 84 | 56 | 38 | 15 | 12 | 72 | 34.1 | 14.3 | M10×1.5 |
| 13/16 | UCUP205-013D1 | | | | | | | | | | |
| 7/8 | UCUP205-014D1 | | | | | | | | | | |
| 15/16 | UCUP205-015D1 | 1 7/16 | 3 5/16 | 2 7/32 | 1 1/2 | 19/32 | 15/32 | 2 27/32 | 1.3425 | 0.563 | |
| 1 | UCUP205-100D1 | | | | | | | | | | |
| 30 | UCUP206D1 | 42.9 | 94 | 66 | 48 | 18 | 12 | 84 | 38.1 | 15.9 | M14×2 |
| 1 1/16 | UCUP206-101D1 | | | | | | | | | | |
| 1 1/8 | UCUP206-102D1 | | | | | | | | | | |
| 1 3/16 | UCUP206-103D1 | 1 11/16 | 3 11/16 | 2 19/32 | 1 7/8 | 23/32 | 15/32 | 3 5/16 | 1.5000 | 0.629 | |
| 1 1/4 | UCUP206-104D1 | | | | | | | | | | |
| 35 | UCUP207D1 | 47.6 | 110 | 80 | 48 | 20 | 13 | 95 | 42.9 | 17.5 | M14×2 |
| 1 1/4 | UCUP207-104D1 | | | | | | | | | | |
| 1 5/16 | UCUP207-105D1 | | | | | | | | | | |
| 1 3/8 | UCUP207-106D1 | 1 7/8 | 4 11/32 | 3 5/32 | 1 7/8 | 25/32 | 1/2 | 3 3/4 | 1.6890 | 0.689 | |
| 1 7/16 | UCUP207-107D1 | | | | | | | | | | |
| 40 | UCUP208D1 | 49.2 | 116 | 84 | 54 | 20 | 13 | 100 | 49.2 | 19 | M14×2 |
| 1 1/2 | UCUP208-108D1 | | | | | | | | | | |
| 1 9/16 | UCUP208-109D1 | 1 15/16 | 4 9/16 | 3 5/16 | 2 1/8 | 25/32 | 1/2 | 3 15/16 | 1.9370 | 0.748 | |

| Bearing number | Housing number | Mass of unit kg / lb |
|---|---|---|
| UC201D1 | UP204D1 | 0.6 |
| UC201-008D1 | UP204D1 | 1.3 |
| UC202D1 | UP204D1 | 0.6 |
| UC202-009D1 | UP204D1 | 1.3 |
| UC202-010D1 | UP204D1 | |
| UC203D1 | UP204D1 | 0.6 |
| UC203-011D1 | UP204D1 | 1.3 |
| UC204D1 | UP204D1 | 0.6 |
| UC204-012D1 | UP204D1 | 1.3 |
| UC205D1 | UP205D1 | 0.7 |
| UC205-013D1 | UP205D1 | 1.5 |
| UC205-014D1 | UP205D1 | |
| UC205-015D1 | UP205D1 | |
| UC205-100D1 | UP205D1 | |
| UC206D1 | UP206D1 | 1.1 |
| UC206-101D1 | UP206D1 | 2.4 |
| UC206-102D1 | UP206D1 | |
| UC206-103D1 | UP206D1 | |
| UC206-104D1 | UP206D1 | |
| UC207D1 | UP207D1 | 1.6 |
| UC207-104D1 | UP207D1 | 3.5 |
| UC207-105D1 | UP207D1 | |
| UC207-106D1 | UP207D1 | |
| UC207-107D1 | UP207D1 | |
| UC208D1 | UP208D1 | 1.8 |
| UC208-108D1 | UP208D1 | 4.0 |
| UC208-109D1 | UP208D1 | |

**Note** (1) These numbers indicate relubricatable type. If maintenance free type is needed, please order without suffix "D1".
**Remarks** Please refer to page **A21** for size of grease fitting.

## Narrow pillow block unit, cast housing
## Set screw type

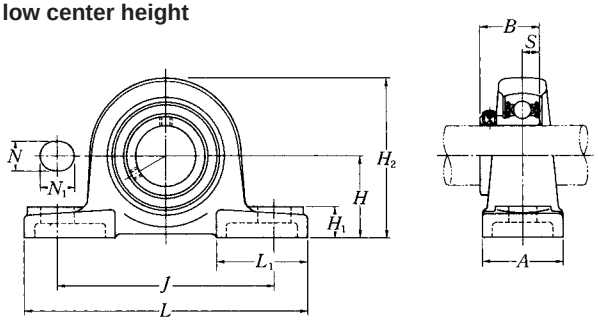



| Shaft dia. mm / inch | Unit number (1) | Nominal dimensions mm / inch | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | H | L | J | A | j | $H_1$ | $H_2$ | B | S | N |
| 45 | UCUP209D1 | 54.2 | 120 | 90 | 54 | 25 | 13 | 108 | 49.2 | 19 | M14×2 |
| 1 5/8 | UCUP209-110D1 | | | | | | | | | | |
| 1 11/16 | UCUP209-111D1 | 2 9/64 | 4 23/32 | 3 17/32 | 2 1/8 | 31/32 | 1/2 | 4 1/4 | 1.9370 | 0.748 | |
| 1 3/4 | UCUP209-112D1 | | | | | | | | | | |
| 50 | UCUP210D1 | 57.2 | 130 | 94 | 60 | 25 | 14 | 116 | 51.6 | 19 | M16×2 |
| 1 13/16 | UCUP210-113D1 | | | | | | | | | | |
| 1 7/8 | UCUP210-114D1 | | | | | | | | | | |
| 1 15/16 | UCUP210-115D1 | 2 1/4 | 5 1/8 | 3 11/16 | 2 3/8 | 31/32 | 9/16 | 4 9/16 | 2.0315 | 0.748 | |
| 2 | UCUP210-200D1 | | | | | | | | | | |

| Bearing number | Housing number | Mass of unit kg / lb |
|---|---|---|
| UC209D1 | UP209D1 | 2.1 |
| UC209-110D1 | UP209D1 | |
| UC209-111D1 | UP209D1 | 4.6 |
| UC209-112D1 | UP209D1 | |
| UC210D1 | UP210D1 | 2.6 |
| UC210-113D1 | UP210D1 | |
| UC210-114D1 | UP210D1 | |
| UC210-115D1 | UP210D1 | 5.7 |
| UC210-200D1 | UP210D1 | |

**Note** (1) These numbers indicate relubricatable type. If maintenance free type is needed, please order without suffix "D1".
**Remarks** Please refer to page **A21** for size of grease fitting.

## Pillow block unit, cast housing low center height
## Set screw type





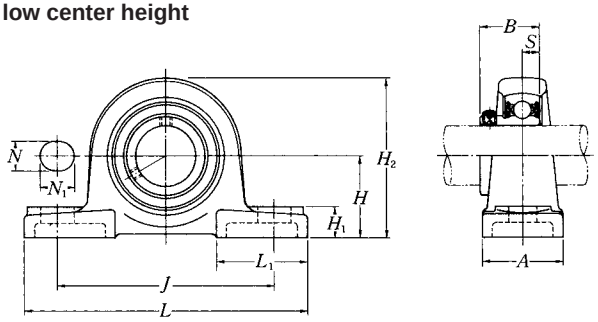


| Shaft dia. mm / inch | Unit number (1)(2)(3) | Nominal dimensions mm inch H | L | J | A | N | $N_1$ | $H_1$ | $H_2$ | $L_1$ | B | S | Bolt size mm / inch |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 12 | ASPL201 | 26.99 | 121 | 89 | 35 | 11 | 14 | 13 | 54 | 40 | 22 | 6 | M10 |
| 1/2 | ASPL201-008 | 1 1/16 | 4 3/4 | 3 1/2 | 1 3/8 | 7/16 | 9/16 | 1/2 | 2 1/8 | 1 9/16 | 0.8661 | 0.236 | 3/8 |
| 15 | ASPL202 | 26.99 | 121 | 89 | 35 | 11 | 14 | 13 | 54 | 40 | 22 | 6 | M10 |
| 9/16 | ASPL202-009 | | | | | | | | | | | | |
| 5/8 | ASPL202-010 | 1 1/16 | 4 3/4 | 3 1/2 | 1 3/8 | 7/16 | 9/16 | 1/2 | 2 1/8 | 1 9/16 | 0.8661 | 0.236 | 3/8 |
| 17 | ASPL203 | 26.99 | 121 | 89 | 35 | 11 | 14 | 13 | 54 | 40 | 22 | 6 | M10 |
| 11/16 | ASPL203-011 | 1 1/16 | 4 3/4 | 3 1/2 | 1 3/8 | 7/16 | 9/16 | 1/2 | 2 1/8 | 1 9/16 | 0.8661 | 0.236 | 3/8 |
| 20 | ASPL204 | 31.75 | 127 | 95 | 38 | 13 | 16 | 14 | 64 | 42 | 25 | 7 | M10 |
| 3/4 | ASPL204-012 | 1 1/4 | 5 | 3 3/4 | 1 1/2 | 1/2 | 5/8 | 9/16 | 2 17/32 | 1 21/32 | 0.9843 | 0.276 | 3/8 |
| 25 | ASPL205 | 33.34 | 140 | 105 | 38 | 13 | 16 | 15 | 68 | 42 | 27 | 7.5 | M10 |
| 13/16 | ASPL205-013 | | | | | | | | | | | | |
| 7/8 | ASPL205-014 | | | | | | | | | | | | |
| 15/16 | ASPL205-015 | 1 5/16 | 5 1/2 | 4 1/8 | 1 1/2 | 1/2 | 5/8 | 19/32 | 2 11/16 | 1 21/32 | 1.0630 | 0.295 | 3/8 |
| 1 | ASPL205-100 | | | | | | | | | | | | |
| 30 | ASPL206 | 39.69 | 165 | 121 | 48 | 17 | 20 | 17 | 80 | 54 | 29 | 8 | M14 |
| 1 1/16 | ASPL206-101 | | | | | | | | | | | | |
| 1 1/8 | ASPL206-102 | | | | | | | | | | | | |
| 1 3/16 | ASPL206-103 | 1 9/16 | 6 1/2 | 4 3/4 | 1 7/8 | 21/32 | 25/32 | 21/32 | 3 5/32 | 2 1/8 | 1.1417 | 0.315 | 1/2 |
| 1 1/4 | ASPL206-104 | | | | | | | | | | | | |
| 35 | ASPL207 | 46.04 | 167 | 127 | 48 | 17 | 20 | 18 | 91 | 54 | 34 | 8.5 | M14 |
| 1 1/4 | ASPL207-104 | | | | | | | | | | | | |
| 1 5/16 | ASPL207-105 | | | | | | | | | | | | |
| 1 3/8 | ASPL207-106 | 1 13/16 | 6 9/16 | 5 | 1 7/8 | 21/32 | 25/32 | 23/32 | 3 19/32 | 2 1/8 | 1.3386 | 0.335 | 1/2 |
| 1 7/16 | ASPL207-107 | | | | | | | | | | | | |
| 40 | ASP208 | 49.2 | 184 | 137 | 54 | 17 | 20 | 18 | 98 | 52 | 38 | 9 | M14 |
| 1 1/2 | ASP208-108 | | | | | | | | | | | | |
| 1 9/16 | ASP208-109 | 1 15/16 | 7 1/4 | 5 13/32 | 2 1/8 | 21/32 | 25/32 | 23/32 | 3 27/32 | 2 1/16 | 1.4961 | 0.354 | 1/2 |

| Bearing number (2) | Housing number (2) | Mass of unit kg / lb |
|---|---|---|
| AS201 | PL201 | 0.5 |
| AS201-008 | PL201 | 1.1 |
| AS202 | PL201 | 0.5 |
| AS202-009 | PL201 | 1.1 |
| AS202-010 | PL201 | |
| AS203 | PL201 | 0.5 |
| AS203-011 | PL201 | 1.1 |
| AS204 | PL204 | 0.7 |
| AS204-012 | PL204 | 1.5 |
| AS205 | PL205 | 0.8 |
| AS205-013 | PL205 | |
| AS205-014 | PL205 | 1.8 |
| AS205-015 | PL205 | |
| AS205-100 | PL205 | |
| AS206 | PL206 | 1.2 |
| AS206-101 | PL206 | |
| AS206-102 | PL206 | 2.6 |
| AS206-103 | PL206 | |
| AS206-104 | PL206 | |
| AS207 | PL207 | 1.5 |
| AS207-104 | PL207 | |
| AS207-105 | PL207 | 3.3 |
| AS207-106 | PL207 | |
| AS207-107 | PL207 | |
| AS208 | P208 | 1.8 |
| AS208-108 | P208 | 4.0 |
| AS208-109 | P208 | |

**Notes** (1) ASPL201 to ASPL205 has solid bases.
(2) If relubricatable type is needed, please order with suffix "D1".
(3) ASPL208 has the same dimension an ASP208.

## Pillow block unit, cast housing low center height
## Set screw type

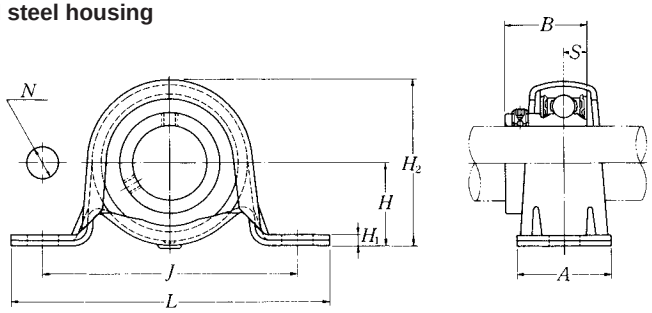



| Shaft dia. mm / inch | Unit number (1) | Nominal dimensions mm / inch | | | | | | | | | | | Bolt size mm / inch |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | H | L | J | A | N | $N_1$ | $H_1$ | $H_2$ | $L_1$ | B | S | |
| 45 | ASPL209 | 52.39 | 190 | 146 | 54 | 17 | 20 | 20 | 104 | 60 | 40 | 9.5 | M14 |
| 1 5/8 | ASPL209-110 | | | | | | | | | | | | |
| 1 11/16 | ASPL209-111 | 2 1/16 | 7 15/32 | 5 3/4 | 2 1/8 | 21/32 | 25/32 | 25/32 | 4 3/32 | 2 3/8 | 1.578 | 0.374 | 1/2 |
| 1 3/4 | ASPL209-112 | | | | | | | | | | | | |
| 50 | ASPL210 | 55.56 | 206 | 159 | 60 | 20 | 23 | 21 | 112 | 65 | 42 | 10 | M16 |
| 1 13/16 | ASPL210-113 | | | | | | | | | | | | |
| 1 7/8 | ASPL210-114 | 2 3/16 | 8 1/8 | 6 1/4 | 2 3/8 | 25/32 | 29/32 | 13/16 | 4 13/32 | 2 9/16 | 1.635 | 0.394 | 5/8 |
| 1 15/16 | ASPL210-115 | | | | | | | | | | | | |
| 2 | ASPL210-200 | | | | | | | | | | | | |

**Note** (1) If relubricatable type is needed, please order with suffix "D1".

| Bearing number (1) | Housing number (1) | Mass of unit kg / lb |
|---|---|---|
| AS209 | PL209 | 2.0 |
| AS209-110 | PL209 | |
| AS209-111 | PL209 | 4.4 |
| AS209-112 | PL209 | |
| AS210 | PL210 | 2.6 |
| AS210-113 | PL210 | |
| AS210-114 | PL210 | 5.7 |
| AS210-115 | PL210 | |
| AS210-200 | PL210 | |

## Pillow block unit, pressed steel housing
## Set screw type

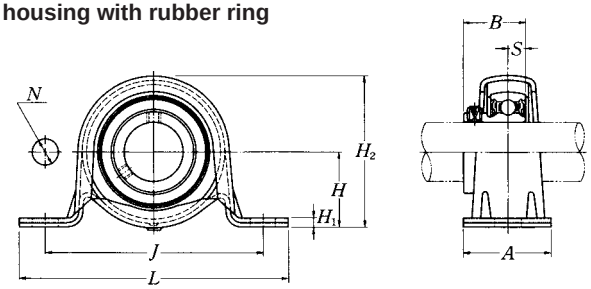



| Shaft dia. mm / inch | Unit number | Nominal dimensions mm / inch H | L | J | A | N | $H_1$ | $H_2$ | B | S | Bolt size mm / inch |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 12 | ASPP201 | 22.2 | 86 | 68 | 25 | 9.5 | 3.2 | 43.8 | 22 | 6 | M8 |
| 1/2 | ASPP201-008 | 7/8 | 3 3/8 | 2 11/16 | 31/32 | 3/8 | 0.126 | 1 23/32 | 0.8661 | 0.236 | 5/16 |
| 15 | ASPP202 | 22.2 | 86 | 68 | 25 | 9.5 | 3.2 | 43.8 | 22 | 6 | M8 |
| 9/16 | ASPP202-009 | 7/8 | 3 3/8 | 2 11/16 | 31/32 | 3/8 | 0.126 | 1 23/32 | 0.8661 | 0.236 | 5/16 |
| 5/8 | ASPP202-010 | | | | | | | | | | |
| 17 | ASPP203 | 22.2 | 86 | 68 | 25 | 9.5 | 3.2 | 43.8 | 22 | 6 | M8 |
| 11/16 | ASPP203-011 | 7/8 | 3 3/8 | 2 11/16 | 31/32 | 3/8 | 0.126 | 1 23/32 | 0.8661 | 0.236 | 5/16 |
| 20 | ASPP204 | 25.4 | 98 | 76 | 32 | 9.5 | 3.2 | 50.5 | 25 | 7 | M8 |
| 3/4 | ASPP204-012 | 1 | 3 27/32 | 3 | 1 1/4 | 3/8 | 0.126 | 2 | 0.9843 | 0.276 | 5/16 |
| 25 | ASPP205 | 28.6 | 108 | 86 | 32 | 11.5 | 4 | 56.6 | 27 | 7.5 | M10 |
| 13/16 | ASPP205-013 | | | | | | | | | | |
| 7/8 | ASPP205-014 | 1 1/8 | 4 1/4 | 3 3/8 | 1 1/4 | 29/64 | 0.157 | 2 7/32 | 1.0630 | 0.295 | 3/8 |
| 15/16 | ASPP205-015 | | | | | | | | | | |
| 1 | ASPP205-100 | | | | | | | | | | |
| 30 | ASPP206 | 33.3 | 117 | 95 | 38 | 11.5 | 4 | 66.3 | 29 | 8 | M10 |
| 1 1/16 | ASPP206-101 | | | | | | | | | | |
| 1 1/8 | ASPP206-102 | 1 5/16 | 4 19/32 | 3 3/4 | 1 1/2 | 29/64 | 0.157 | 2 5/8 | 1.1417 | 0.315 | 3/8 |
| 1 3/16 | ASPP206-103 | | | | | | | | | | |
| 1 1/4 | ASPP206-104 | | | | | | | | | | |
| 35 | ASPP207 | 39.7 | 129 | 106 | 42 | 11.5 | 4.6 | 78 | 34 | 8.5 | M10 |
| 1 1/4 | ASPP207-104 | | | | | | | | | | |
| 1 5/16 | ASPP207-105 | 1 9/16 | 5 3/32 | 4 3/16 | 1 21/32 | 29/64 | 0.181 | 3 1/16 | 1.3386 | 0.335 | 3/8 |
| 1 3/8 | ASPP207-106 | | | | | | | | | | |
| 1 7/16 | ASPP207-107 | | | | | | | | | | |

| Max. load (1) recommended N radial | N axial | Bearing number | Housing number | Mass of unit kg | lb |
|---|---|---|---|---|---|
| 2 000 | 800 | AS201 | PP203 | 0.2 | |
| 440 | 160 | AS201-008 | PP203 | 0.4 | |
| 2 000 | 800 | AS202 | PP203 | 0.2 | |
| 440 | 160 | AS202-009 | PP203 | 0.4 | |
| | | AS202-010 | PP203 | | |
| 2 000 | 800 | AS203 | PP203 | 0.1 | |
| 440 | 160 | AS203-011 | PP203 | 0.2 | |
| 2 500 | 1 000 | AS204 | PP204 | 0.2 | |
| 550 | 200 | AS204-012 | PP204 | 0.4 | |
| 3 500 | 1 400 | AS205 | PP205 | 0.3 | |
| | | AS205-013 | PP205 | | |
| 770 | 280 | AS205-014 | PP205 | 0.7 | |
| | | AS205-015 | PP205 | | |
| | | AS205-100 | PP205 | | |
| 4 000 | 1 600 | AS206 | PP206 | 0.4 | |
| | | AS206-101 | PP206 | | |
| 880 | 320 | AS206-102 | PP206 | 0.9 | |
| | | AS206-103 | PP206 | | |
| | | AS206-104 | PP206 | | |
| 4 500 | 1 800 | AS207 | PP207 | 0.6 | |
| | | AS207-104 | PP207 | | |
| 990 | 360 | AS207-105 | PP207 | 1.3 | |
| | | AS207-106 | PP207 | | |
| | | AS207-107 | PP207 | | |

**Note** (1) The permissible load only applies in applications where the load is stable and the speed is 2400 $min^{-1}$ or less.
The mounting surface should be flat.

## Pillow block unit, pressed steel housing with rubber ring
## Set screw type



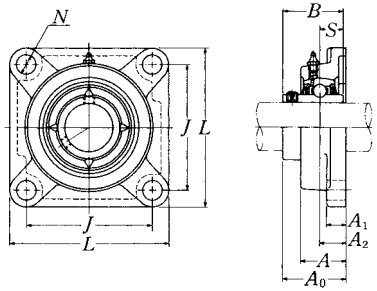

| Shaft dia. mm / inch | Unit number | Nominal dimensions mm inch H | L | J | A | N | $H_1$ | $H_2$ | B | S | Bolt size mm / inch |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 12 | ASRPP201 | 25.4 | 98 | 76 | 32 | 9.5 | 3.2 | 50.5 | 22 | 6 | M8 |
| 1/2 | ASRPP201-008 | 1 | 3 27/32 | 3 | 1 1/4 | 3/8 | 0.126 | 2 | 0.8661 | 0.236 | 5/16 |
| 15 | ASRPP202 | 25.4 | 98 | 76 | 32 | 9.5 | 3.2 | 50.5 | 22 | 6 | M8 |
| 9/16 | ASRPP202-009 | | | | | | | | | | |
| 5/8 | ASRPP202-010 | 1 | 3 27/32 | 3 | 1 1/4 | 3/8 | 0.126 | 2 | 0.8661 | 0.236 | 5/16 |
| 17 | ASRPP203 | 25.4 | 98 | 76 | 32 | 9.5 | 3.2 | 50.5 | 22 | 6 | M8 |
| 11/16 | ASRPP203-011 | 1 | 3 27/32 | 3 | 1 1/4 | 3/8 | 0.126 | 2 | 0.8661 | 0.236 | 5/16 |
| 20 | ASRPP204 | 28.6 | 108 | 86 | 32 | 11.5 | 4 | 56.6 | 25 | 7 | M10 |
| 3/4 | ASRPP204-012 | 1 1/8 | 4 1/4 | 3 3/8 | 1 1/4 | 29/64 | 0.157 | 2 7/32 | 0.9843 | 0.276 | 3/8 |
| 25 | ASRPP205 | 33.3 | 117 | 95 | 38 | 11.5 | 4 | 66.3 | 27 | 7.5 | M10 |
| 13/16 | ASRPP205-013 | | | | | | | | | | |
| 7/8 | ASRPP205-014 | | | | | | | | | | |
| 15/16 | ASRPP205-015 | 1 5/16 | 4 19/32 | 3 3/4 | 1 1/2 | 29/64 | 0.157 | 2 5/8 | 1.0630 | 0.295 | 3/8 |
| 1 | ASRPP205-100 | | | | | | | | | | |
| 30 | ASRPP206 | 39.7 | 129 | 106 | 42 | 11.5 | 4.6 | 78 | 29 | 8 | M10 |
| 1 1/16 | ASRPP206-101 | | | | | | | | | | |
| 1 1/8 | ASRPP206-102 | | | | | | | | | | |
| 1 3/16 | ASRPP206-103 | 1 9/16 | 5 3/32 | 4 3/16 | 1 21/32 | 29/64 | 0.181 | 3 1/16 | 1.1417 | 0.315 | 3/8 |
| 1 1/4 | ASRPP206-104 | | | | | | | | | | |

| Max. load (1) recommended N / lbf radial | axial | Bearing number | Housing number rubber ring | steel | Mass of unit kg / lb |
|---|---|---|---|---|---|
| 1 000 | 200 | AS201 | R201 | PP204 | 0.2 |
| 220 | 40 | AS201-008 | R201 | PP204 | 0.4 |
| 1 000 | 200 | AS202 | R201 | PP204 | 0.2 |
| 220 | 40 | AS202-009 | R201 | PP204 | 0.4 |
| | | AS202-010 | R201 | PP204 | |
| 1 000 | 200 | AS203 | R201 | PP204 | 0.2 |
| 220 | 40 | AS203-011 | R201 | PP204 | 0.4 |
| 1 150 | 200 | AS204 | R204 | PP205 | 0.3 |
| 250 | 40 | AS204-012 | R204 | PP205 | 0.7 |
| 1 300 | 200 | AS205 | R205 | PP206 | 0.4 |
| | | AS205-013 | R205 | PP206 | |
| | | AS205-014 | R205 | PP206 | |
| 280 | 40 | AS205-015 | R205 | PP206 | 0.9 |
| | | AS205-100 | R205 | PP206 | |
| 1 500 | 200 | AS206 | R206 | PP207 | 0.5 |
| | | AS206-101 | R206 | PP207 | |
| | | AS206-102 | R206 | PP207 | |
| 330 | 40 | AS206-103 | R206 | PP207 | 1.1 |
| | | AS206-104 | R206 | PP207 | |

**Note** (1) The permissible load only applies in applications where the load is stable and the speed is 2400 $min^{-1}$ or less.
The mounting surface should be flat.

**Remarks** When an anti-vibration rubber ring is used, the self alignment capability will be reduce.

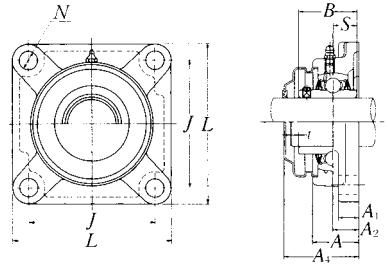
## Square flanged unit, cast housing
## Set screw type



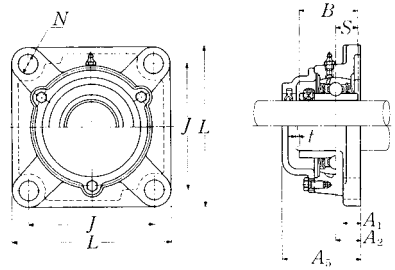

| Shaft dia. mm / inch | Unit number (1) | Nominal dimensions mm / inch: L | J | $A_2$ | $A_1$ | A | N | $A_0$ | B | S | Bolt size mm / inch | Bearing number |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 12 | UCF201D1 | 86 | 64 | 15 | 11 | 25.5 | 12 | 33.3 | 31 | 12.7 | M10 | UC201D1 |
| 1/2 | UCF201-008D1 | 3 3/8 | 2 33/64 | 19/32 | 7/16 | 1 | 15/32 | 1 5/16 | 1.2205 | 0.500 | 3/8 | UC201-008D1 |
| 15 | UCF202D1 | 86 | 64 | 15 | 11 | 25.5 | 12 | 33.3 | 31 | 12.7 | M10 | UC202D1 |
| 9/16 | UCF202-009D1 | | | | | | | | | | | UC202-009D1 |
| 5/8 | UCF202-010D1 | 3 3/8 | 2 33/64 | 19/32 | 7/16 | 1 | 15/32 | 1 5/16 | 1.2205 | 0.500 | 3/8 | UC202-010D1 |
| 17 | UCF203D1 | 86 | 64 | 15 | 11 | 25.5 | 12 | 33.3 | 31 | 12.7 | M10 | UC203D1 |
| 11/16 | UCF203-011D1 | 3 3/8 | 2 33/64 | 19/32 | 7/16 | 1 | 15/32 | 1 5/16 | 1.2205 | 0.500 | 3/8 | UC203-011D1 |
| 20 | UCF204D1 | 86 | 64 | 15 | 11 | 25.5 | 12 | 33.3 | 31 | 12.7 | M10 | UC204D1 |
| 3/4 | UCF204-012D1 | 3 3/8 | 2 33/64 | 19/32 | 7/16 | 1 | 15/32 | 1 5/16 | 1.2205 | 0.500 | 3/8 | UC204-012D1 |
| 25 | UCF205D1 | 95 | 70 | 16 | 13 | 27 | 12 | 35.8 | 34.1 | 14.3 | M10 | UC205D1 |
| 13/16 | UCF205-013D1 | | | | | | | | | | | UC205-013D1 |
| 7/8 | UCF205-014D1 | | | | | | | | | | | UC205-014D1 |
| 15/16 | UCF205-015D1 | 3 3/4 | 2 3/4 | 5/8 | 1/2 | 1 1/16 | 15/32 | 1 13/32 | 1.3425 | 0.563 | 3/8 | UC205-015D1 |
| 1 | UCF205-100D1 | | | | | | | | | | | UC205-100D1 |
| 30 | UCF206D1 | 108 | 83 | 18 | 13 | 31 | 12 | 40.2 | 38.1 | 15.9 | M10 | UC206D1 |
| 1 1/16 | UCF206-101D1 | | | | | | | | | | | UC206-101D1 |
| 1 1/8 | UCF206-102D1 | | | | | | | | | | | UC206-102D1 |
| 1 3/16 | UCF206-103D1 | 4 1/4 | 3 17/64 | 45/64 | 1/2 | 1 7/32 | 15/32 | 1 37/64 | 1.5000 | 0.626 | 3/8 | UC206-103D1 |
| 1 1/4 | UCF206-104D1 | | | | | | | | | | | UC206-104D1 |
| 35 | UCF207D1 | 117 | 92 | 19 | 15 | 34 | 14 | 44.4 | 42.9 | 17.5 | M12 | UC207D1 |
| 1 1/4 | UCF207-104D1 | | | | | | | | | | | UC207-104D1 |
| 1 5/16 | UCF207-105D1 | | | | | | | | | | | UC207-105D1 |
| 1 3/8 | UCF207-106D1 | 4 19/32 | 3 5/8 | 3/4 | 19/32 | 1 11/32 | 35/64 | 1 3/4 | 1.6890 | 0.689 | 7/16 | UC207-106D1 |
| 1 7/16 | UCF207-107D1 | | | | | | | | | | | UC207-107D1 |
| 40 | UCF208D1 | 130 | 102 | 21 | 15 | 36 | 16 | 51.2 | 49.2 | 19 | M14 | UC208D1 |
| 1 1/2 | UCF208-108D1 | | | | | | | | | | | UC208-108D1 |
| 1 9/16 | UCF208-109D1 | 5 1/8 | 4 1/64 | 53/64 | 19/32 | 1 13/32 | 5/8 | 2 1/64 | 1.9370 | 0.748 | 1/2 | UC208-109D1 |
| 45 | UCF209D1 | 137 | 105 | 22 | 16 | 38 | 16 | 52.2 | 49.2 | 19 | M14 | UC209D1 |
| 1 5/8 | UCF209-110D1 | | | | | | | | | | | UC209-110D1 |
| 1 11/16 | UCF209-111D1 | | | | | | | | | | | UC209-111D1 |
| 1 3/4 | UCF209-112D1 | 5 13/32 | 4 9/64 | 55/64 | 5/8 | 1 1/2 | 5/8 | 2 1/16 | 1.9370 | 0.748 | 1/2 | UC209-112D1 |

**Note** (1) These numbers indicate relubricatable type. If maintenance free type is needed, please order without suffix "D1".
**Remarks** Please refer to page **A21** for size of grease fitting.





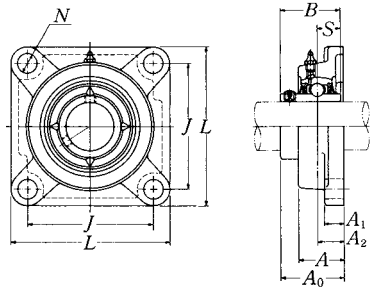

**Pressed steel dust cover type**
Open end **Z-UCF···D1**
Closed end **ZM-UCF···D1**




**Cast dust cover type**
Open end **C-UCF···D1**
Closed end **CM-UCF···D1**

| Housing number | Unit number (1) pressed steel dust cover type | Unit number (1) cast dust cover type | Nominal dimensions mm / inch: t max. | $A_4$ | $A_5$ | Mass of unit kg / lb: UCF | Z(ZM) | C(CM) |
|---|---|---|---|---|---|---|---|---|
| F204D1 | Z(ZM)-UCF201D1 | C(CM)-UCF201D1 | 2 | 38 | 46 | 0.6 | 0.6 | 0.8 |
| F204D1 | Z(ZM)-UCF201-008D1 | C(CM)-UCF201-008D1 | 5/64 | 1 1/2 | 1 13/16 | 1.3 | 1.3 | 1.8 |
| F204D1 | Z(ZM)-UCF202D1 | C(CM)-UCF202D1 | 2 | 38 | 46 | 0.6 | 0.6 | 0.8 |
| F204D1 | Z(ZM)-UCF202-009D1 | C(CM)-UCF202-009D1 | | | | | | |
| F204D1 | Z(ZM)-UCF202-010D1 | C(CM)-UCF202-010D1 | 5/64 | 1 1/2 | 1 13/16 | 1.3 | 1.3 | 1.8 |
| F204D1 | Z(ZM)-UCF203D1 | C(CM)-UCF203D1 | 2 | 38 | 46 | 0.6 | 0.6 | 0.8 |
| F204D1 | Z(ZM)-UCF203-011D1 | C(CM)-UCF203-011D1 | 5/64 | 1 1/2 | 1 13/16 | 1.3 | 1.3 | 1.8 |
| F204D1 | Z(ZM)-UCF204D1 | C(CM)-UCF204D1 | 2 | 38 | 46 | 0.6 | 0.6 | 0.7 |
| F204D1 | Z(ZM)-UCF204-012D1 | C(CM)-UCF204-012D1 | 5/64 | 1 1/2 | 1 13/16 | 1.3 | 1.3 | 1.5 |
| F205D1 | Z(ZM)-UCF205D1 | C(CM)-UCF205D1 | 2 | 40 | 51 | 0.8 | 0.8 | 0.9 |
| F205D1 | Z(ZM)-UCF205-013D1 | C(CM)-UCF205-013D1 | | | | | | |
| F205D1 | Z(ZM)-UCF205-014D1 | C(CM)-UCF205-014D1 | | | | | | |
| F205D1 | Z(ZM)-UCF205-015D1 | C(CM)-UCF205-015D1 | 5/64 | 1 19/32 | 2 | 1.8 | 1.8 | 2.0 |
| F205D1 | Z(ZM)-UCF205-100D1 | C(CM)-UCF205-100D1 | | | | | | |
| F206D1 | Z(ZM)-UCF206D1 | C(CM)-UCF206D1 | 2 | 45 | 56 | 1.1 | 1.1 | 1.3 |
| F206D1 | Z(ZM)-UCF206-101D1 | C(CM)-UCF206-101D1 | | | | | | |
| F206D1 | Z(ZM)-UCF206-102D1 | C(CM)-UCF206-102D1 | | | | | | |
| F206D1 | Z(ZM)-UCF206-103D1 | C(CM)-UCF206-103D1 | 5/64 | 1 3/4 | 2 7/32 | 2.4 | 2.4 | 2.9 |
| F206D1 | — | C(CM)-UCF206-104D1 | | | | | | |
| F207D1 | Z(ZM)-UCF207D1 | C(CM)-UCF207D1 | 3 | 49 | 59 | 1.5 | 1.5 | 1.8 |
| F207D1 | Z(ZM)-UCF207-104D1 | C(CM)-UCF207-104D1 | | | | | | |
| F207D1 | Z(ZM)-UCF207-105D1 | C(CM)-UCF207-105D1 | | | | | | |
| F207D1 | Z(ZM)-UCF207-106D1 | C(CM)-UCF207-106D1 | 1/8 | 1 15/16 | 2 5/16 | 3.3 | 3.3 | 4.0 |
| F207D1 | — | C(CM)-UCF207-107D1 | | | | | | |
| F208D1 | Z(ZM)-UCF208D1 | C(CM)-UCF208D1 | 3 | 56 | 66 | 1.7 | 1.8 | 2.2 |
| F208D1 | Z(ZM)-UCF208-108D1 | C(CM)-UCF208-108D1 | | | | | | |
| F208D1 | Z(ZM)-UCF208-109D1 | C(CM)-UCF208-109D1 | 1/8 | 2 3/16 | 2 19/32 | 3.7 | 4.0 | 4.9 |
| F209D1 | Z(ZM)-UCF209D1 | C(CM)-UCF209D1 | 3 | 57 | 70 | 2.1 | 2.2 | 2.6 |
| F209D1 | Z(ZM)-UCF209-110D1 | C(CM)-UCF209-110D1 | | | | | | |
| F209D1 | Z(ZM)-UCF209-111D1 | C(CM)-UCF209-111D1 | | | | | | |
| F209D1 | Z(ZM)-UCF209-112D1 | C(CM)-UCF209-112D1 | 1/8 | 2 1/4 | 2 3/4 | 4.6 | 4.9 | 5.7 |

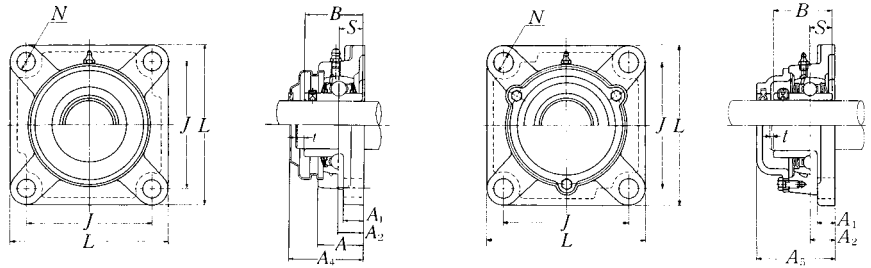
## Square flanged unit, cast housing
## Set screw type




| Shaft dia. mm / inch | Unit number (1) | Nominal dimensions mm / inch | | | | | | | | | Bolt size mm / inch | Bearing number |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | $L$ | $J$ | $A_2$ | $A_1$ | $A$ | $N$ | $A_0$ | $B$ | $S$ | | |
| 50 | UCF210D1 | 143 | 111 | 22 | 16 | 40 | 16 | 54.6 | 51.6 | 19 | M14 | UC210D1 |
| 1 13/16 | UCF210-113D1 | | | | | | | | | | | UC210-113D1 |
| 1 7/8 | UCF210-114D1 | 5 5/8 | 4 3/8 | 55/64 | 5/8 | 1 9/16 | 5/8 | 2 5/32 | 2.0315 | 0.748 | 1/2 | UC210-114D1 |
| 1 15/16 | UCF210-115D1 | | | | | | | | | | | UC210-115D1 |
| 2 | UCF210-200D1 | | | | | | | | | | | UC210-200D1 |
| 55 | UCF211D1 | 162 | 130 | 25 | 18 | 43 | 19 | 58.4 | 55.6 | 22.2 | M16 | UC211D1 |
| 2 | UCF211-200D1 | | | | | | | | | | | UC211-200D1 |
| 2 1/16 | UCF211-201D1 | 6 3/8 | 5 1/8 | 63/64 | 23/32 | 1 11/16 | 3/4 | 2 19/64 | 2.1890 | 0.874 | 5/8 | UC211-201D1 |
| 2 1/8 | UCF211-202D1 | | | | | | | | | | | UC211-202D1 |
| 2 3/16 | UCF211-203D1 | | | | | | | | | | | UC211-203D1 |
| 60 | UCF212D1 | 175 | 143 | 29 | 18 | 48 | 19 | 68.7 | 65.1 | 25.4 | M16 | UC212D1 |
| 2 1/4 | UCF212-204D1 | | | | | | | | | | | UC212-204D1 |
| 2 5/16 | UCF212-205D1 | 6 7/8 | 5 5/8 | 1 9/64 | 23/32 | 1 7/8 | 3/4 | 2 45/64 | 2.5630 | 1.000 | 5/8 | UC212-205D1 |
| 2 3/8 | UCF212-206D1 | | | | | | | | | | | UC212-206D1 |
| 2 7/16 | UCF212-207D1 | | | | | | | | | | | UC212-207D1 |
| 65 | UCF213D1 | 187 | 149 | 30 | 22 | 50 | 19 | 69.7 | 65.1 | 25.4 | M16 | UC213D1 |
| 2 1/2 | UCF213-208D1 | 7 3/8 | 5 55/64 | 1 3/16 | 7/8 | 1 31/32 | 3/4 | 2 3/4 | 2.5630 | 1.000 | 5/8 | UC213-208D1 |
| 2 9/16 | UCF213-209D1 | | | | | | | | | | | UC213-209D1 |
| 70 | UCF214D1 | 193 | 152 | 31 | 22 | 54 | 19 | 75.4 | 74.6 | 30.2 | M16 | UC214D1 |
| 2 5/8 | UCF214-210D1 | | | | | | | | | | | UC214-210D1 |
| 2 11/16 | UCF214-211D1 | 7 19/32 | 5 63/64 | 1 7/32 | 7/8 | 2 1/8 | 3/4 | 2 31/32 | 2.9370 | 1.189 | 5/8 | UC214-211D1 |
| 2 3/4 | UCF214-212D1 | | | | | | | | | | | UC214-212D1 |
| 75 | UCF215D1 | 200 | 159 | 34 | 22 | 56 | 19 | 78.5 | 77.8 | 33.3 | M16 | UC215D1 |
| 2 13/16 | UCF215-213D1 | | | | | | | | | | | UC215-213D1 |
| 2 7/8 | UCF215-214D1 | 7 7/8 | 6 17/64 | 1 11/32 | 7/8 | 2 7/32 | 3/4 | 3 3/32 | 3.0630 | 1.311 | 5/8 | UC215-214D1 |
| 2 15/16 | UCF215-215D1 | | | | | | | | | | | UC215-215D1 |
| 3 | UCF215-300D1 | | | | | | | | | | | UC215-300D1 |
| 80 | UCF216D1 | 208 | 165 | 34 | 22 | 58 | 23 | 83.3 | 82.6 | 33.3 | M20 | UC216D1 |
| 3 1/16 | UCF216-301D1 | | | | | | | | | | | UC216-301D1 |
| 3 1/8 | UCF216-302D1 | 8 3/16 | 6 1/2 | 1 11/32 | 7/8 | 2 9/32 | 29/32 | 3 9/32 | 3.2520 | 1.311 | 3/4 | UC216-302D1 |
| 3 3/16 | UCF216-303D1 | | | | | | | | | | | UC216-303D1 |

**Note** (1) These numbers indicate relubricatable type. If maintenance free type is needed, please order without suffix "D1".
**Remarks** Please refer to page **A21** for size of grease fitting.



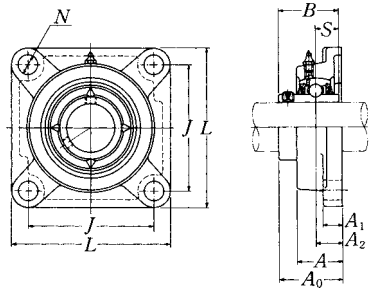



**Pressed steel dust cover type**
Open end **Z-UCF···D1**
Closed end **ZM-UCF···D1**

**Cast dust cover type**
Open end **C-UCF···D1**
Closed end **CM-UCF···D1**

| Housing number | Unit number (1) pressed steel dust cover type | Unit number (1) cast dust cover type | Nominal dimensions mm / inch | | | Mass of unit kg / lb | | |
|---|---|---|---|---|---|---|---|---|
| | | | $t$ max. | $A_4$ | $A_5$ | UCF | Z(ZM) | C(CM) |
| F210D1 | Z(ZM)-UCF210D1 | C(CM)-UCF210D1 | 3 | 60 | 72 | 2.5 | 2.5 | 3.0 |
| F210D1 | Z(ZM)-UCF210-113D1 | C(CM)-UCF210-113D1 | | | | | | |
| F210D1 | Z(ZM)-UCF210-114D1 | C(CM)-UCF210-114D1 | 1/8 | 2 3/8 | 2 27/32 | 5.5 | 5.5 | 6.6 |
| F210D1 | Z(ZM)-UCF210-115D1 | C(CM)-UCF210-115D1 | | | | | | |
| F210D1 | – | C(CM)-UCF210-200D1 | | | | | | |
| F211D1 | Z(ZM)-UCF211D1 | C(CM)-UCF211D1 | 4 | 64 | 75 | 3.3 | 3.4 | 4.0 |
| F211D1 | Z(ZM)-UCF211-200D1 | C(CM)-UCF211-200D1 | | | | | | |
| F211D1 | Z(ZM)-UCF211-201D1 | C(CM)-UCF211-201D1 | 5/32 | 2 1/2 | 2 15/16 | 7.3 | 7.5 | 8.8 |
| F211D1 | Z(ZM)-UCF211-202D1 | C(CM)-UCF211-202D1 | | | | | | |
| F211D1 | Z(ZM)-UCF211-203D1 | C(CM)-UCF211-203D1 | | | | | | |
| F212D1 | Z(ZM)-UCF212D1 | C(CM)-UCF212D1 | 4 | 74 | 86 | 3.9 | 4.1 | 4.8 |
| F212D1 | Z(ZM)-UCF212-204D1 | C(CM)-UCF212-204D1 | | | | | | |
| F212D1 | Z(ZM)-UCF212-205D1 | C(CM)-UCF212-205D1 | 5/32 | 2 29/32 | 3 3/8 | 8.6 | 9.0 | 11 |
| F212D1 | Z(ZM)-UCF212-206D1 | C(CM)-UCF212-206D1 | | | | | | |
| F212D1 | – | C(CM)-UCF212-207D1 | | | | | | |
| F213D1 | Z(ZM)-UCF213D1 | C(CM)-UCF213D1 | 4 | 76 | 90 | 5.5 | 5.6 | 6.4 |
| F213D1 | Z(ZM)-UCF213-208D1 | C(CM)-UCF213-208D1 | | | | | | |
| F213D1 | Z(ZM)-UCF213-209D1 | C(CM)-UCF213-209D1 | 5/32 | 3 | 3 17/32 | 12 | 12 | 14 |
| F214D1 | – | C(CM)-UCF214D1 | 4 | – | 98 | 6.3 | – | 7.4 |
| F214D1 | | C(CM)-UCF214-210D1 | | | | | | |
| F214D1 | – | C(CM)-UCF214-211D1 | 5/32 | – | 3 27/32 | 14 | – | 16 |
| F214D1 | | C(CM)-UCF214-212D1 | | | | | | |
| F215D1 | – | C(CM)-UCF215D1 | 4 | – | 102 | 6.6 | – | 7.9 |
| F215D1 | | C(CM)-UCF215-213D1 | | | | | | |
| F215D1 | | C(CM)-UCF215-214D1 | | | | | | |
| F215D1 | – | C(CM)-UCF215-215D1 | 5/32 | – | 4 1/32 | 15 | – | 17 |
| F215D1 | | C(CM)-UCF215-300D1 | | | | | | |
| F216D1 | – | C(CM)-UCF216D1 | 4 | – | 106 | 7.9 | – | 9.3 |
| F216D1 | | C(CM)-UCF216-301D1 | | | | | | |
| F216D1 | – | C(CM)-UCF216-302D1 | 5/32 | – | 4 3/16 | 17 | – | 21 |
| F216D1 | | C(CM)-UCF216-303D1 | | | | | | |

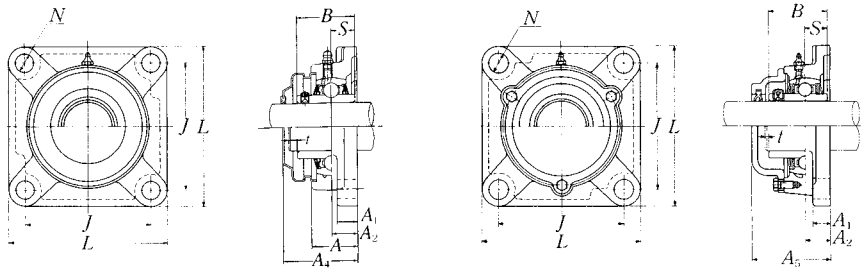
## Square flanged unit, cast housing
## Set screw type




| Shaft dia. mm / inch | Unit number (1) | Nominal dimensions mm / inch: L | J | $A_2$ | $A_1$ | A | N | $A_0$ | B | S | Bolt size mm / inch | Bearing number |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 85 | UCF217D1 | 220 | 175 | 36 | 24 | 63 | 23 | 87.6 | 85.7 | 34.1 | M20 | UC217D1 |
| 3 1/4 | UCF217-304D1 | | | | | | | | | | | UC217-304D1 |
| 3 5/16 | UCF217-305D1 | 8 21/32 | 6 57/64 | 1 27/64 | 15/16 | 2 15/32 | 29/32 | 3 29/64 | 3.3740 | 1.343 | 3/4 | UC217-305D1 |
| 3 7/16 | UCF217-307D1 | | | | | | | | | | | UC217-307D1 |
| 90 | UCF218D1 | 235 | 187 | 40 | 24 | 68 | 23 | 96.3 | 96 | 39.7 | M20 | UC218D1 |
| 3 1/2 | UCF218-308D1 | 9 1/4 | 7 23/64 | 1 37/64 | 15/16 | 2 11/16 | 29/32 | 3 51/64 | 3.7795 | 1.563 | 3/4 | UC218-308D1 |

**Note** (1) These numbers indicate relubricatable type. If maintenance free type is needed, please order without suffix "D1".
**Remarks** Please refer to page **A21** for size of grease fitting.



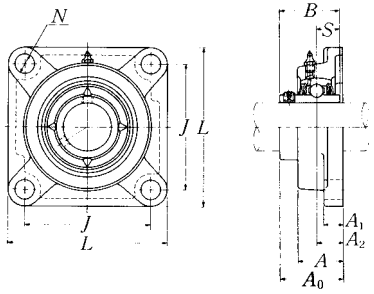



**Pressed steel dust cover type**
Open end **Z-UCF···D1**
Closed end **ZM-UCF···D1**

**Cast dust cover type**
Open end **C-UCF···D1**
Closed end **CM-UCF···D1**

| Housing number | Unit number (1) pressed steel dust cover type | Unit number (1) cast dust cover type | Nominal dimensions mm / inch: t max. | $A_4$ | $A_5$ | Mass of unit kg / lb: UCF | Z(ZM) | C(CM) |
|---|---|---|---|---|---|---|---|---|
| F217D1 | — | C(CM)-UCF217D1 | 5 | — | 114 | 9.8 | — | 12 |
| F217D1 | | C(CM)-UCF217-304D1 | | | | | | |
| F217D1 | — | C(CM)-UCF217-305D1 | 13/64 | — | 4 1/2 | 22 | — | 26 |
| F217D1 | | C(CM)-UCF217-307D1 | | | | | | |
| F218D1 | — | C(CM)-UCF218D1 | 5 | — | 122 | 12 | — | 13 |
| F218D1 | — | C(CM)-UCF218-308D1 | 13/64 | — | 4 13/16 | 26 | — | 29 |

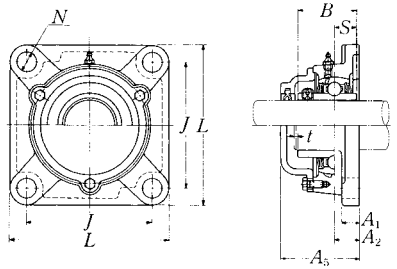
## Square flanged unit, cast housing
## Set screw type




| Shaft dia. mm / inch | Unit number (1) | Nominal dimensions mm / inch L | J | $A_2$ | $A_1$ | A | N | $A_0$ | B | S | Bolt size mm / inch |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 25 | UCF305D1 | 110 | 80 | 16 | 13 | 29 | 16 | 39 | 38 | 15 | M14 |
| 13/16 | UCF305-013D1 | | | | | | | | | | |
| 7/8 | UCF305-014D1 | 4 11/32 | 3 5/32 | 5/8 | 1/2 | 1 5/32 | 5/8 | 1 17/32 | 1.4961 | 0.591 | 1/2 |
| 15/16 | UCF305-015D1 | | | | | | | | | | |
| 1 | UCF305-100D1 | | | | | | | | | | |
| 30 | UCF306D1 | 125 | 95 | 18 | 15 | 32 | 16 | 44 | 43 | 17 | M14 |
| 1 1/16 | UCF306-101D1 | | | | | | | | | | |
| 1 1/8 | UCF306-102D1 | 4 29/32 | 3 47/64 | 45/64 | 19/32 | 1 1/4 | 5/8 | 1 47/64 | 1.6929 | 0.669 | 1/2 |
| 1 3/16 | UCF306-103D1 | | | | | | | | | | |
| 35 | UCF307D1 | 135 | 100 | 20 | 16 | 36 | 19 | 49 | 48 | 19 | M16 |
| 1 1/4 | UCF307-104D1 | | | | | | | | | | |
| 1 5/16 | UCF307-105D1 | 5 5/16 | 3 15/16 | 25/32 | 5/8 | 1 13/32 | 3/4 | 1 59/64 | 1.8898 | 0.748 | 5/8 |
| 1 3/8 | UCF307-106D1 | | | | | | | | | | |
| 1 7/16 | UCF307-107D1 | | | | | | | | | | |
| 40 | UCF308D1 | 150 | 112 | 23 | 17 | 40 | 19 | 56 | 52 | 19 | M16 |
| 1 1/2 | UCF308-108D1 | 5 29/32 | 4 13/32 | 29/32 | 21/32 | 1 9/16 | 3/4 | 2 13/64 | 2.0472 | 0.748 | 5/8 |
| 1 9/16 | UCF308-109D1 | | | | | | | | | | |
| 45 | UCF309D1 | 160 | 125 | 25 | 18 | 44 | 19 | 60 | 57 | 22 | M16 |
| 1 5/8 | UCF309-110D1 | | | | | | | | | | |
| 1 11/16 | UCF309-111D1 | 6 5/16 | 4 59/64 | 63/64 | 23/32 | 1 23/32 | 3/4 | 2 23/64 | 2.2441 | 0.866 | 5/8 |
| 1 3/4 | UCF309-112D1 | | | | | | | | | | |
| 50 | UCF310D1 | 175 | 132 | 28 | 19 | 48 | 23 | 67 | 61 | 22 | M20 |
| 1 13/16 | UCF310-113D1 | | | | | | | | | | |
| 1 7/8 | UCF310-114D1 | 6 7/8 | 5 13/64 | 1 7/64 | 3/4 | 1 7/8 | 29/32 | 2 41/64 | 2.4016 | 0.866 | 3/4 |
| 1 15/16 | UCF310-115D1 | | | | | | | | | | |
| 55 | UCF311D1 | 185 | 140 | 30 | 20 | 52 | 23 | 71 | 66 | 25 | M20 |
| 2 | UCF311-200D1 | | | | | | | | | | |
| 2 1/16 | UCF311-201D1 | 7 9/32 | 5 33/64 | 1 3/16 | 25/32 | 2 1/16 | 29/32 | 2 51/64 | 2.5984 | 0.984 | 3/4 |
| 2 1/8 | UCF311-202D1 | | | | | | | | | | |
| 2 3/16 | UCF311-203D1 | | | | | | | | | | |

**Note** (1) These numbers indicate relubricatable type. If maintenance free type is needed, please order without suffix "D1".
**Remarks** Please refer to page **A21** for size of grease fitting.

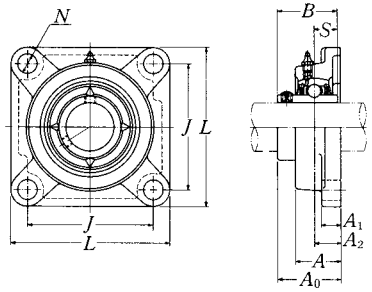





**Cast dust cover type**
Open end **C-UCF···D1**
Closed end **CM-UCF···D1**

| Bearing number | Housing number | Unit number (1) cast dust cover type | Nominal dimensions mm / inch t max. | $A_5$ | Mass of unit kg / lb UCF | C(CM) |
|---|---|---|---|---|---|---|
| UC305D1 | F305D1 | C(CM)-UCF305D1 | 2 | 56 | 1.1 | 1.4 |
| UC305-013D1 | F305D1 | C(CM)-UCF305-013D1 | | | | |
| UC305-014D1 | F305D1 | C(CM)-UCF305-014D1 | 5/64 | 2 7/32 | 2.4 | 3.1 |
| UC305-015D1 | F305D1 | C(CM)-UCF305-015D1 | | | | |
| UC305-100D1 | F305D1 | C(CM)-UCF305-100D1 | | | | |
| UC306D1 | F306D1 | C(CM)-UCF306D1 | 2 | 60 | 1.6 | 2.1 |
| UC306-101D1 | F306D1 | C(CM)-UCF306-101D1 | | | | |
| UC306-102D1 | F306D1 | C(CM)-UCF306-102D1 | 5/64 | 2 3/8 | 3.5 | 4.6 |
| UC306-103D1 | F306D1 | C(CM)-UCF306-103D1 | | | | |
| UC307D1 | F307D1 | C(CM)-UCF307D1 | 3 | 68 | 2.1 | 2.6 |
| UC307-104D1 | F307D1 | C(CM)-UCF307-104D1 | | | | |
| UC307-105D1 | F307D1 | C(CM)-UCF307-105D1 | 1/8 | 2 11/16 | 4.6 | 5.7 |
| UC307-106D1 | F307D1 | C(CM)-UCF307-106D1 | | | | |
| UC307-107D1 | F307D1 | C(CM)-UCF307-107D1 | | | | |
| UC308D1 | F308D1 | C(CM)-UCF308D1 | 3 | 76 | 2.7 | 3.4 |
| UC308-108D1 | F308D1 | C(CM)-UCF308-108D1 | 1/8 | 3 | 6.0 | 7.5 |
| UC308-109D1 | F308D1 | C(CM)-UCF308-109D1 | | | | |
| UC309D1 | F309D1 | C(CM)-UCF309D1 | 3 | 80 | 3.4 | 4.3 |
| UC309-110D1 | F309D1 | C(CM)-UCF309-110D1 | | | | |
| UC309-111D1 | F309D1 | C(CM)-UCF309-111D1 | 1/8 | 3 5/32 | 7.5 | 9.5 |
| UC309-112D1 | F309D1 | C(CM)-UCF309-112D1 | | | | |
| UC310D1 | F310D1 | C(CM)-UCF310D1 | 3 | 88 | 4.5 | 5.8 |
| UC310-113D1 | F310D1 | C(CM)-UCF310-113D1 | | | | |
| UC310-114D1 | F310D1 | C(CM)-UCF310-114D1 | 1/8 | 3 15/32 | 9.9 | 13 |
| UC310-115D1 | F310D1 | C(CM)-UCF310-115D1 | | | | |
| UC311D1 | F311D1 | C(CM)-UCF311D1 | 4 | 92 | 5.3 | 6.7 |
| UC311-200D1 | F311D1 | C(CM)-UCF311-200D1 | | | | |
| UC311-201D1 | F311D1 | C(CM)-UCF311-201D1 | 5/32 | 3 5/8 | 12 | 15 |
| UC311-202D1 | F311D1 | C(CM)-UCF311-202D1 | | | | |
| UC311-203D1 | F311D1 | C(CM)-UCF311-203D1 | | | | |

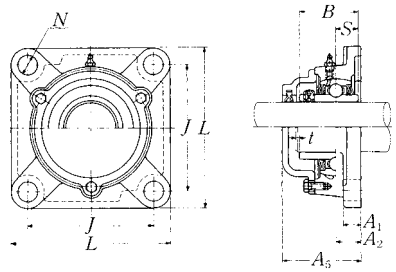
## Square flanged unit, cast housing
## Set screw type




| Shaft dia. mm / inch | Unit number (1) | Nominal dimensions mm / inch | | | | | | | | | Bolt size mm / inch |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | L | J | $A_2$ | $A_1$ | A | N | $A_0$ | B | S | |
| 60 | UCF312D1 | 195 | 150 | 33 | 22 | 56 | 23 | 78 | 71 | 26 | M20 |
| 2 1/4 | UCF312-204D1 | | | | | | | | | | |
| 2 5/16 | UCF312-205D1 | 7 11/16 | 5 29/32 | 1 19/64 | 7/8 | 2 7/32 | 29/32 | 3 5/64 | 2.7953 | 1.024 | 3/4 |
| 2 3/8 | UCF312-206D1 | | | | | | | | | | |
| 2 7/16 | UCF312-207D1 | | | | | | | | | | |
| 65 | UCF313D1 | 208 | 166 | 33 | 22 | 58 | 23 | 78 | 75 | 30 | M20 |
| 2 1/2 | UCF313-208D1 | 8 3/16 | 6 17/32 | 1 19/64 | 7/8 | 2 9/32 | 29/32 | 3 5/64 | 2.9528 | 1.181 | 3/4 |
| 2 9/16 | UCF313-209D1 | | | | | | | | | | |
| 70 | UCF314D1 | 226 | 178 | 36 | 25 | 61 | 25 | 81 | 78 | 33 | M22 |
| 2 5/8 | UCF314-210D1 | | | | | | | | | | |
| 2 11/16 | UCF314-211D1 | 8 29/32 | 6 1/64 | 1 27/64 | 31/32 | 2 13/32 | 63/64 | 3 3/16 | 3.0709 | 1.299 | 7/8 |
| 2 3/4 | UCF314-212D1 | | | | | | | | | | |
| 75 | UCF315D1 | 236 | 184 | 39 | 25 | 66 | 25 | 89 | 82 | 32 | M22 |
| 2 13/16 | UCF315-213D1 | | | | | | | | | | |
| 2 7/8 | UCF315-214D1 | 9 9/32 | 7 1/4 | 1 17/32 | 31/32 | 2 19/32 | 63/64 | 3 1/2 | 3.2283 | 1.260 | 7/8 |
| 2 15/16 | UCF315-215D1 | | | | | | | | | | |
| 3 | UCF315-300D1 | | | | | | | | | | |
| 80 | UCF316D1 | 250 | 196 | 38 | 27 | 68 | 31 | 90 | 86 | 34 | M27 |
| 3 1/16 | UCF316-301D1 | | | | | | | | | | |
| 3 1/8 | UCF316-302D1 | 9 27/32 | 7 23/32 | 1 1/2 | 1 1/16 | 2 11/16 | 1 7/32 | 3 35/64 | 3.3858 | 1.339 | 1 |
| 3 3/16 | UCF316-303D1 | | | | | | | | | | |
| 85 | UCF317D1 | 260 | 204 | 44 | 27 | 74 | 31 | 100 | 96 | 40 | M27 |
| 3 1/4 | UCF317-304D1 | | | | | | | | | | |
| 3 5/16 | UCF317-305D1 | 10 1/4 | 8 1/32 | 1 47/64 | 1 1/16 | 2 29/32 | 1 7/32 | 3 15/16 | 3.7795 | 1.575 | 1 |
| 3 7/16 | UCF317-307D1 | | | | | | | | | | |
| 90 | UCF318D1 | 280 | 216 | 44 | 30 | 76 | 35 | 100 | 96 | 40 | M30 |
| 3 7/16 | UCF318-307D1 | 11 1/32 | 8 1/2 | 1 47/64 | 1 3/16 | 3 | 1 3/8 | 3 15/16 | 3.7795 | 1.575 | 1 1/8 |
| 3 1/2 | UCF318-308D1 | | | | | | | | | | |

**Note** (1) These numbers indicate relubricatable type. If maintenance free type is needed, please order without suffix "D1".
**Remarks** Please refer to page **A21** for size of grease fitting.

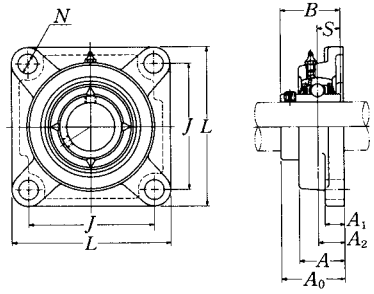





**Cast dust cover type**
Open end **C-UCF···D1**
Closed end **CM-UCF···D1**

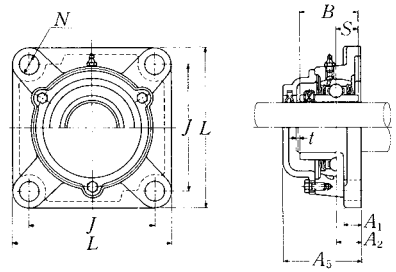
| Bearing number | Housing number | Unit number (1) cast dust cover type | Nominal dimensions mm / inch | | Mass of unit kg / lb | |
|---|---|---|---|---|---|---|
| | | | t max. | $A_5$ | UCF | C(CM) |
| UC312D1 | F312D1 | C(CM)-UCF312D1 | 4 | 100 | 6.3 | 7.8 |
| UC312-204D1 | F312D1 | C(CM)-UCF312-204D1 | | | | |
| UC312-205D1 | F312D1 | C(CM)-UCF312-205D1 | 5/32 | 3 15/16 | 14 | 17 |
| UC312-206D1 | F312D1 | C(CM)-UCF312-206D1 | | | | |
| UC312-207D1 | F312D1 | C(CM)-UCF312-207D1 | | | | |
| UC313D1 | F313D1 | C(CM)-UCF313D1 | 4 | 103 | 8.0 | 9.7 |
| UC313-208D1 | F313D1 | C(CM)-UCF313-208D1 | 5/32 | 4 1/16 | 18 | 21 |
| UC313-209D1 | F313D1 | C(CM)-UCF313-209D1 | | | | |
| UC314D1 | F314D1 | C(CM)-UCF314D1 | 4 | 106 | 9.4 | 11 |
| UC314-210D1 | F314D1 | C(CM)-UCF314-210D1 | | | | |
| UC314-211D1 | F314D1 | C(CM)-UCF314-211D1 | 5/32 | 4 3/16 | 21 | 24 |
| UC314-212D1 | F314D1 | C(CM)-UCF314-212D1 | | | | |
| UC315D1 | F315D1 | C(CM)-UCF315D1 | 4 | 114 | 11 | 13 |
| UC315-213D1 | F315D1 | C(CM)-UCF315-213D1 | | | | |
| UC315-214D1 | F315D1 | C(CM)-UCF315-214D1 | 5/32 | 4 1/2 | 24 | 29 |
| UC315-215D1 | F315D1 | C(CM)-UCF315-215D1 | | | | |
| UC315-300D1 | F315D1 | C(CM)-UCF315-300D1 | | | | |
| UC316D1 | F316D1 | C(CM)-UCF316D1 | 4 | 116 | 14 | 16 |
| UC316-301D1 | F316D1 | C(CM)-UCF316-301D1 | | | | |
| UC316-302D1 | F316D1 | C(CM)-UCF316-302D1 | 5/32 | 4 9/16 | 31 | 35 |
| UC316-303D1 | F316D1 | C(CM)-UCF316-303D1 | | | | |
| UC317D1 | F317D1 | C(CM)-UCF317D1 | 5 | 129 | 15 | 19 |
| UC317-304D1 | F317D1 | C(CM)-UCF317-304D1 | | | | |
| UC317-305D1 | F317D1 | C(CM)-UCF317-305D1 | 13/64 | 5 3/32 | 33 | 42 |
| UC317-307D1 | F317D1 | C(CM)-UCF317-307D1 | | | | |
| UC318D1 | F318D1 | C(CM)-UCF318D1 | 5 | 129 | 19 | 23 |
| UC318-307D1 | F318D1 | C(CM)-UCF318-307D1 | 13/64 | 5 3/32 | 42 | 51 |
| UC318-308D1 | F318D1 | C(CM)-UCF318-308D1 | | | | |

## Square flanged unit, cast housing
## Set screw type




| Shaft dia. mm / inch | Unit number (1) | Nominal dimensions mm / inch L | J | $A_2$ | $A_1$ | A | N | $A_0$ | B | S | Bolt size mm / inch |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 95 | **UCF319D1** | 290 | 228 | 59 | 30 | 94 | 35 | 121 | 103 | 41 | M30 |
| 3 5/8 | **UCF319-310D1** | | | | | | | | | | |
| 3 11/16 | **UCF319-311D1** | 11 13/32 | 8 31/32 | 2 21/64 | 1 3/16 | 3 11/16 | 1 3/8 | 4 49/64 | 4.0551 | 1.614 | 1 1/8 |
| 3 3/4 | **UCF319-312D1** | | | | | | | | | | |
| 100 | **UCF320D1** | 310 | 242 | 59 | 32 | 94 | 38 | 125 | 108 | 42 | M33 |
| 3 13/16 | **UCF320-313D1** | | | | | | | | | | |
| 3 7/8 | **UCF320-314D1** | 12 7/32 | 9 17/32 | 2 21/64 | 1 1/4 | 3 11/16 | 1 1/2 | 4 59/64 | 4.2520 | 1.654 | 1 1/4 |
| 3 15/16 | **UCF320-315D1** | | | | | | | | | | |
| 4 | **UCF320-400D1** | | | | | | | | | | |
| 105 | **UCF321D1** | 310 | 242 | 59 | 32 | 94 | 38 | 127 | 112 | 44 | M33 |
| 110 | **UCF322D1** | 340 | 266 | 60 | 35 | 96 | 41 | 131 | 117 | 46 | M36 |
| 120 | **UCF324D1** | 370 | 290 | 65 | 40 | 110 | 41 | 140 | 126 | 51 | M36 |
| 130 | **UCF326D1** | 410 | 320 | 65 | 45 | 115 | 41 | 146 | 135 | 54 | M36 |
| 140 | **UCF328D1** | 450 | 350 | 75 | 55 | 125 | 41 | 161 | 145 | 59 | M36 |

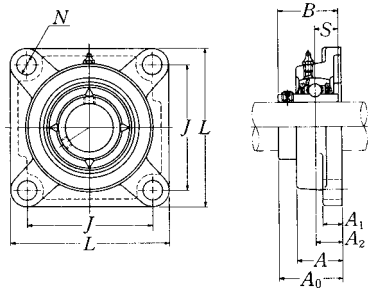
**Note** (1) These numbers indicate relubricatable type. If maintenance free type is needed, please order without suffix "D1".
**Remarks** Please refer to page **A21** for size of grease fitting.




**Cast dust cover type**
Open end **C-UCF···D1**
Closed end **CM-UCF···D1**

| Bearing number | Housing number | Unit number (1) cast dust cover type | Nominal dimensions mm / inch t max. | $A_5$ | Mass of unit kg / lb UCF | C(CM) |
|---|---|---|---|---|---|---|
| UC319D1 | F319D1 | **C(CM)-UCF319D1** | 5 | 149 | 22 | 25 |
| UC319-310D1 | F319D1 | **C(CM)-UCF319-310D1** | | | | |
| UC319-311D1 | F319D1 | **C(CM)-UCF319-311D1** | 13/64 | 5 7/8 | 49 | 55 |
| UC319-312D1 | F319D1 | **C(CM)-UCF319-312D1** | | | | |
| UC320D1 | F320D1 | **C(CM)-UCF320D1** | 5 | 154 | 27 | 32 |
| UC320-313D1 | F320D1 | **C(CM)-UCF320-313D1** | | | | |
| UC320-314D1 | F320D1 | **C(CM)-UCF320-314D1** | 13/64 | 6 1/16 | 60 | 71 |
| UC320-315D1 | F320D1 | **C(CM)-UCF320-315D1** | | | | |
| UC320-400D1 | F320D1 | **C(CM)-UCF320-400D1** | | | | |
| UC321D1 | F321D1 | **C(CM)-UCF321D1** | 5 | 156 | 26 | 32 |
| UC322D1 | F322D1 | **C(CM)-UCF322D1** | 5 | 160 | 34 | 40 |
| UC324D1 | F324D1 | **C(CM)-UCF324D1** | 5 | 172 | 48 | 56 |
| UC326D1 | F326D1 | **C(CM)-UCF326D1** | 6 | 178 | 63 | 73 |
| UC328D1 | F328D1 | **C(CM)-UCF328D1** | 6 | 192 | 90 | 100 |

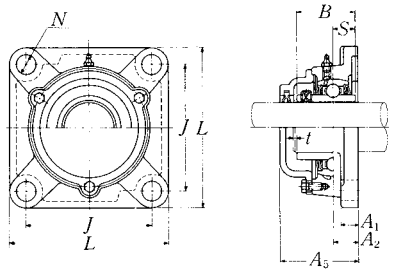
## Square flanged unit, cast housing
## Set screw type




| Shaft dia. mm / inch | Unit number (1) | Nominal dimensions mm / inch L | J | $A_2$ | $A_1$ | A | N | $A_0$ | B | S | Bolt size mm / inch |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 25 | **UCFX05D1** | 108 | 83 | 18 | 13 | 30 | 12 | 40.2 | 38.1 | 15.9 | M10 |
| 13/16 | **UCFX05-013D1** | | | | | | | | | | |
| 7/8 | **UCFX05-014D1** | 4 1/4 | 3 17/64 | 45/64 | 1/2 | 1 3/16 | 15/32 | 1 37/64 | 1.5000 | 0.626 | 3/8 |
| 15/16 | **UCFX05-015D1** | | | | | | | | | | |
| 1 | **UCFX05-100D1** | | | | | | | | | | |
| 30 | **UCFX06D1** | 117 | 92 | 19 | 14 | 34 | 16 | 44.4 | 42.9 | 17.5 | M14 |
| 1 1/16 | **UCFX06-101D1** | | | | | | | | | | |
| 1 1/8 | **UCFX06-102D1** | 4 19/32 | 3 5/8 | 3/4 | 9/16 | 1 11/32 | 5/8 | 1 3/4 | 1.6890 | 0.689 | 1/2 |
| 1 3/16 | **UCFX06-103D1** | | | | | | | | | | |
| 1 1/4 | **UCFX06-104D1** | | | | | | | | | | |
| 35 | **UCFX07D1** | 130 | 102 | 21 | 14 | 38 | 16 | 51.2 | 49.2 | 19 | M14 |
| 1 5/16 | **UCFX07-105D1** | | | | | | | | | | |
| 1 3/8 | **UCFX07-106D1** | 5 1/8 | 4 1/64 | 53/64 | 9/16 | 1 1/2 | 5/8 | 2 1/64 | 1.9370 | 0.748 | 1/2 |
| 1 7/16 | **UCFX07-107D1** | | | | | | | | | | |
| 40 | **UCFX08D1** | 137 | 105 | 22 | 14 | 40 | 19 | 52.2 | 49.2 | 19 | M16 |
| 1 1/2 | **UCFX08-108D1** | 5 13/32 | 4 9/64 | 55/64 | 9/16 | 1 9/16 | 3/4 | 2 1/16 | 1.9370 | 0.748 | 5/8 |
| 1 9/16 | **UCFX08-109D1** | | | | | | | | | | |
| 45 | **UCFX09D1** | 143 | 111 | 23 | 14 | 40 | 19 | 55.6 | 51.6 | 19 | M16 |
| 1 5/8 | **UCFX09-110D1** | | | | | | | | | | |
| 1 11/16 | **UCFX09-111D1** | 5 5/8 | 4 3/8 | 29/32 | 9/16 | 1 9/16 | 3/4 | 2 3/16 | 2.0315 | 0.748 | 5/8 |
| 1 3/4 | **UCFX09-112D1** | | | | | | | | | | |
| 1 13/16 | **UCFX09-113D1** | | | | | | | | | | |
| 50 | **UCFX10D1** | 162 | 130 | 26 | 20 | 44 | 19 | 59.4 | 55.6 | 22.2 | M16 |
| 1 7/8 | **UCFX10-114D1** | | | | | | | | | | |
| 1 15/16 | **UCFX10-115D1** | 6 3/8 | 5 1/8 | 1 1/32 | 25/32 | 1 23/32 | 3/4 | 2 11/32 | 2.1890 | 0.874 | 5/8 |
| 2 | **UCFX10-200D1** | | | | | | | | | | |

**Note** (1) These numbers indicate relubricatable type. If maintenance free type is needed, please order without suffix "D1".
**Remarks** Please refer to page **A21** for size of grease fitting.

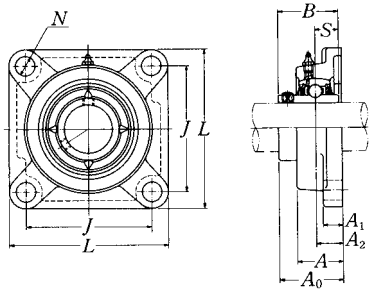





**Cast dust cover type**
Open end **C-UCF···D1**
Closed end **CM-UCF···D1**

| Bearing number | Housing number | Unit number (1) cast dust cover type | Nominal dimensions mm / inch t max. | $A_5$ | Mass of unit kg / lb UCF | C(CM) |
|---|---|---|---|---|---|---|
| UCX05D1 | FX05D1 | **C(CM)-UCFX05D1** | 2 | 56 | 1.1 | 1.3 |
| UCX05-013D1 | FX05D1 | **C(CM)-UCFX05-013D1** | | | | |
| UCX05-014D1 | FX05D1 | **C(CM)-UCFX05-014D1** | 5/64 | 2 7/32 | 2.4 | 2.9 |
| UCX05-015D1 | FX05D1 | **C(CM)-UCFX05-015D1** | | | | |
| UCX05-100D1 | FX05D1 | **C(CM)-UCFX05-100D1** | | | | |
| UCX06D1 | FX06D1 | **C(CM)-UCFX06D1** | 2 | 59 | 1.7 | 1.9 |
| UCX06-101D1 | FX06D1 | **C(CM)-UCFX06-101D1** | | | | |
| UCX06-102D1 | FX06D1 | **C(CM)-UCFX06-102D1** | 5/64 | 2 5/16 | 3.7 | 4.2 |
| UCX06-103D1 | FX06D1 | **C(CM)-UCFX06-103D1** | | | | |
| UC207-104D1 | FX06D1 | **C(CM)-UCFX06-104D1** | | | | |
| UCX07D1 | FX07D1 | **C(CM)-UCFX07D1** | 3 | 66 | 2.1 | 2.5 |
| UCX07-105D1 | FX07D1 | **C(CM)-UCFX07-105D1** | | | | |
| UCX07-106D1 | FX07D1 | **C(CM)-UCFX07-106D1** | 1/8 | 2 19/32 | 4.6 | 5.5 |
| UCX07-107D1 | FX07D1 | **C(CM)-UCFX07-107D1** | | | | |
| UCX08D1 | FX08D1 | **C(CM)-UCFX08D1** | 3 | 70 | 2.3 | 2.7 |
| UCX08-108D1 | FX08D1 | **C(CM)-UCFX08-108D1** | 1/8 | 2 3/4 | 5.1 | 6.0 |
| UCX08-109D1 | FX08D1 | **C(CM)-UCFX08-109D1** | | | | |
| UCX09D1 | FX09D1 | **C(CM)-UCFX09D1** | 3 | 73 | 2.5 | 3.0 |
| UCX09-110D1 | FX09D1 | **C(CM)-UCFX09-110D1** | | | | |
| UCX09-111D1 | FX09D1 | **C(CM)-UCFX09-111D1** | 1/8 | 2 7/8 | 5.5 | 6.6 |
| UCX09-112D1 | FX09D1 | **C(CM)-UCFX09-112D1** | | | | |
| UC210-113D1 | FX09D1 | **C(CM)-UCFX09-113D1** | | | | |
| UCX10D1 | FX10D1 | **C(CM)-UCFX10D1** | 3 | 76 | 3.8 | 4.3 |
| UCX10-114D1 | FX10D1 | **C(CM)-UCFX10-114D1** | | | | |
| UCX10-115D1 | FX10D1 | **C(CM)-UCFX10-115D1** | 1/8 | 3 | 8.4 | 9.5 |
| UC211-200D1 | FX10D1 | **C(CM)-UCFX10-200D1** | | | | |

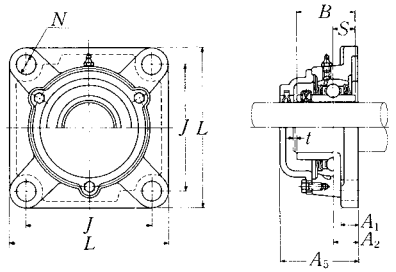
## Square flanged unit, cast housing
## Set screw type




| Shaft dia. mm / inch | Unit number (1) | Nominal dimensions mm / inch | | | | | | | | | Bolt size mm / inch |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | $L$ | $J$ | $A_2$ | $A_1$ | $A$ | $N$ | $A_0$ | $B$ | $S$ | |
| 55 | **UCFX11D1** | 175 | 143 | 29 | 20 | 49 | 19 | 68.7 | 65.1 | 25.4 | M16 |
| 2 1/16 | **UCFX11-201D1** | | | | | | | | | | |
| 2 1/8 | **UCFX11-202D1** | | | | | | | | | | |
| 2 3/16 | **UCFX11-203D1** | 6 7/8 | 5 5/8 | 1 9/64 | 25/32 | 1 15/16 | 3/4 | 2 45/64 | 2.5630 | 1.000 | 5/8 |
| 2 1/4 | **UCFX11-204D1** | | | | | | | | | | |
| 2 5/16 | **UCFX11-205D1** | | | | | | | | | | |
| 60 | **UCFX12D1** | 187 | 149 | 34 | 21 | 59 | 19 | 73.7 | 65.1 | 25.4 | M16 |
| 2 3/8 | **UCFX12-206D1** | 7 3/8 | 5 55/64 | 1 11/32 | 13/16 | 2 5/16 | 3/4 | 2 29/32 | 2.5630 | 1.000 | 5/8 |
| 2 7/16 | **UCFX12-207D1** | | | | | | | | | | |
| 65 | **UCFX13D1** | 187 | 149 | 34 | 21 | 59 | 19 | 78.4 | 74.6 | 30.2 | M16 |
| 2 1/2 | **UCFX13-208D1** | 7 3/8 | 5 55/64 | 1 11/32 | 13/16 | 2 5/16 | 3/4 | 3 3/32 | 2.9370 | 1.189 | 5/8 |
| 2 9/16 | **UCFX13-209D1** | | | | | | | | | | |
| 70 | **UCFX14D1** | 197 | 152 | 37 | 24 | 60 | 23 | 81.5 | 77.8 | 33.3 | M20 |
| 2 5/8 | **UCFX14-210D1** | | | | | | | | | | |
| 2 11/16 | **UCFX14-211D1** | 7 3/4 | 5 63/64 | 1 29/64 | 15/16 | 2 3/8 | 29/32 | 3 13/64 | 3.0630 | 1.311 | 3/4 |
| 2 3/4 | **UCFX14-212D1** | | | | | | | | | | |
| 75 | **UCFX15D1** | 197 | 152 | 40 | 24 | 68 | 23 | 89.3 | 82.6 | 33.3 | M20 |
| 2 13/16 | **UCFX15-213D1** | | | | | | | | | | |
| 2 7/8 | **UCFX15-214D1** | 7 3/4 | 5 63/64 | 1 37/64 | 15/16 | 2 11/16 | 29/32 | 3 33/64 | 3.2520 | 1.311 | 3/4 |
| 2 15/16 | **UCFX15-215D1** | | | | | | | | | | |
| 3 | **UCFX15-300D1** | | | | | | | | | | |
| 80 | **UCFX16D1** | 214 | 171 | 40 | 24 | 70 | 23 | 91.6 | 85.7 | 34.1 | M20 |
| 3 1/16 | **UCFX16-301D1** | | | | | | | | | | |
| 3 1/8 | **UCFX16-302D1** | 8 7/16 | 6 47/64 | 1 37/64 | 15/16 | 2 3/4 | 29/32 | 3 39/64 | 3.3740 | 1.343 | 3/4 |
| 3 3/16 | **UCFX16-303D1** | | | | | | | | | | |
| 3 1/4 | **UCFX16-304D1** | | | | | | | | | | |

**Note** (1) These numbers indicate relubricatable type. If maintenance free type is needed, please order without suffix "D1".
**Remarks** Please refer to page **A21** for size of grease fitting.

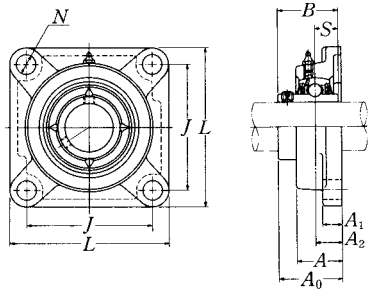





**Cast dust cover type**
Open end **C-UCF···D1**
Closed end **CM-UCF···D1**

| Bearing number | Housing number | Unit number (1) cast dust cover type | Nominal dimensions mm / inch | | Mass of unit kg / lb | |
|---|---|---|---|---|---|---|
| | | | $t$ max. | $A_5$ | UCF | C(CM) |
| UCX11D1 | FX11D1 | **C(CM)-UCFX11D1** | 4 | 86 | 4.8 | 5.5 |
| UCX11-201D1 | FX11D1 | **C(CM)-UCFX11-201D1** | | | | |
| UCX11-202D1 | FX11D1 | **C(CM)-UCFX11-202D1** | | | | |
| UCX11-203D1 | FX11D1 | **C(CM)-UCFX11-203D1** | 5/32 | 3 3/8 | 11 | 12 |
| UC212-204D1 | FX11D1 | **C(CM)-UCFX11-204D1** | | | | |
| UC212-205D1 | FX11D1 | **C(CM)-UCFX11-205D1** | | | | |
| UCX12D1 | FX12D1 | **C(CM)-UCFX12D1** | 4 | 94 | 6.4 | 7.3 |
| UCX12-206D1 | FX12D1 | **C(CM)-UCFX12-206D1** | 5/32 | 3 11/16 | 14 | 16 |
| UCX12-207D1 | FX12D1 | **C(CM)-UCFX12-207D1** | | | | |
| UCX13D1 | FX13D1 | **C(CM)-UCFX13D1** | 4 | 101 | 6.7 | 7.8 |
| UCX13-208D1 | FX13D1 | **C(CM)-UCFX13-208D1** | 5/32 | 3 31/32 | 15 | 17 |
| UCX13-209D1 | FX13D1 | **C(CM)-UCFX13-209D1** | | | | |
| UCX14D1 | FX14D1 | **C(CM)-UCFX14D1** | 4 | 105 | 7.1 | 8.3 |
| UCX14-210D1 | FX14D1 | **C(CM)-UCFX14-210D1** | | | | |
| UCX14-211D1 | FX14D1 | **C(CM)-UCFX14-211D1** | 5/32 | 4 1/8 | 16 | 18 |
| UCX14-212D1 | FX14D1 | **C(CM)-UCFX14-212D1** | | | | |
| UCX15D1 | FX15D1 | **C(CM)-UCFX15D1** | 4 | 112 | 8.6 | 9.9 |
| UCX15-213D1 | FX15D1 | **C(CM)-UCFX15-213D1** | | | | |
| UCX15-214D1 | FX15D1 | **C(CM)-UCFX15-214D1** | 5/32 | 4 13/32 | 19 | 22 |
| UCX15-215D1 | FX15D1 | **C(CM)-UCFX15-215D1** | | | | |
| UCX15-300D1 | FX15D1 | **C(CM)-UCFX15-300D1** | | | | |
| UCX16D1 | FX16D1 | **C(CM)-UCFX16D1** | 4 | 118 | 11 | 12 |
| UCX16-301D1 | FX16D1 | **C(CM)-UCFX16-301D1** | | | | |
| UCX16-302D1 | FX16D1 | **C(CM)-UCFX16-302D1** | 5/32 | 4 21/32 | 24 | 26 |
| UCX16-303D1 | FX16D1 | **C(CM)-UCFX16-303D1** | | | | |
| UC217-304D1 | FX16D1 | **C(CM)-UCFX16-304D1** | | | | |

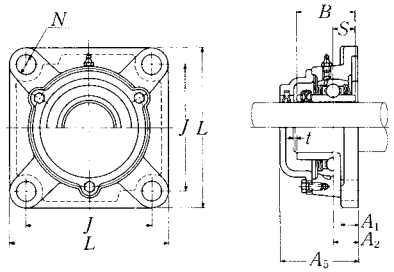
## Square flanged unit, cast housing
## Set screw type




| Shaft dia. mm / inch | Unit number (1) | Nominal dimensions mm / inch L | J | $A_2$ | $A_1$ | A | N | $A_0$ | B | S | Bolt size mm / inch |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 85 | **UCFX17D1** | 214 | 171 | 40 | 24 | 70 | 23 | 96.3 | 96 | 39.7 | M20 |
| $3\frac{5}{16}$ | **UCFX17-305D1** | $8\frac{7}{16}$ | $6\frac{47}{64}$ | $1\frac{37}{64}$ | $\frac{15}{16}$ | $2\frac{3}{4}$ | $\frac{29}{32}$ | $3\frac{51}{64}$ | 3.7795 | 1.563 | $\frac{3}{4}$ |
| $3\frac{7}{16}$ | **UCFX17-307D1** | | | | | | | | | | |
| 90 | **UCFX18D1** | 214 | 171 | 45 | 24 | 76 | 23 | 106.1 | 104 | 42.9 | M20 |
| $3\frac{7}{16}$ | **UCFX18-307D1** | $8\frac{7}{16}$ | $6\frac{47}{64}$ | $1\frac{49}{64}$ | $\frac{15}{16}$ | 3 | $\frac{29}{32}$ | $4\frac{11}{64}$ | 4.0945 | 1.689 | $\frac{3}{4}$ |
| $3\frac{1}{2}$ | **UCFX18-308D1** | | | | | | | | | | |
| 100 | **UCFX20D1** | 268 | 211 | 59 | 31 | 97 | 31 | 127.3 | 117.5 | 49.2 | M27 |
| $3\frac{13}{16}$ | **UCFX20-313D1** | | | | | | | | | | |
| $3\frac{7}{8}$ | **UCFX20-314D1** | $10\frac{9}{16}$ | $8\frac{5}{16}$ | $2\frac{21}{64}$ | $1\frac{7}{32}$ | $3\frac{13}{16}$ | $1\frac{7}{32}$ | $5\frac{1}{64}$ | 4.6260 | 1.937 | 1 |
| $3\frac{15}{16}$ | **UCFX20-315D1** | | | | | | | | | | |
| 4 | **UCFX20-400D1** | | | | | | | | | | |

**Note** (1) These numbers indicate relubricatable type. If maintenance free type is needed, please order without suffix "D1".
**Remarks** Please refer to page **A21** for size of grease fitting.

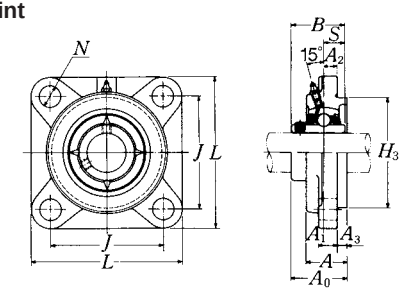





**Cast dust cover type**
Open end **C-UCF···D1**
Closed end **CM-UCF···D1**

| Bearing number | Housing number | Unit number (1) cast dust cover type | Nominal dimensions mm / inch t max. | $A_5$ | Mass of unit kg / lb UCF | C(CM) |
|---|---|---|---|---|---|---|
| UCX17D1 | FX17D1 | **C(CM)-UCFX17D1** | 5 | 122 | 12 | 14 |
| UCX17-305D1 | FX17D1 | **C(CM)-UCFX17-305D1** | $\frac{13}{64}$ | $4\frac{13}{16}$ | 26 | 31 |
| UCX17-307D1 | FX17D1 | **C(CM)-UCFX17-307D1** | | | | |
| UCX18D1 | FX18D1 | **C(CM)-UCFX18D1** | 5 | 135 | 13 | 15 |
| UCX18-307D1 | FX18D1 | **C(CM)-UCFX18-307D1** | $\frac{13}{64}$ | $5\frac{5}{16}$ | 29 | 33 |
| UCX18-308D1 | FX18D1 | **C(CM)-UCFX18-308D1** | | | | |
| UCX20D1 | FX20D1 | **C(CM)-UCFX20D1** | 5 | 146.5 | 21 | 23 |
| UCX20-313D1 | FX20D1 | **C(CM)-UCFX20-313D1** | | | | |
| UCX20-314D1 | FX20D1 | **C(CM)-UCFX20-314D1** | $\frac{13}{64}$ | $5\frac{25}{32}$ | 46 | 51 |
| UCX20-315D1 | FX20D1 | **C(CM)-UCFX20-315D1** | | | | |
| UCX20-400D1 | FX20D1 | **C(CM)-UCFX20-400D1** | | | | |

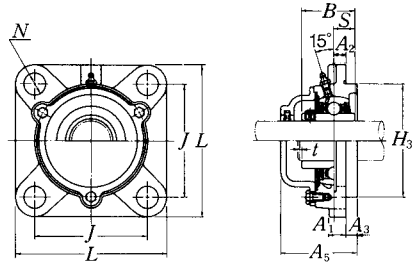
## Square flanged unit, cast housing with spigot joint
## Set screw type




| Shaft dia. mm / inch | Unit number (1) | Nominal dimensions mm / inch | | | | | | | | | | | Bolt size mm / inch |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | $L$ | $J$ | $A_2$ | $N$ | $A_3$ | $A_1$ | $A$ | $H_3$ | $A_0$ | $B$ | $S$ | |
| 25 | **UCFS305D1** | 110 | 80 | 9 | 16 | 7 | 13 | 29 | 80 | 39 | 38 | 15 | M14 |
| 13/16 | **UCFS305-013D1** | | | | | | | | | | | | |
| 7/8 | **UCFS305-014D1** | 4 11/32 | 3 5/32 | 23/64 | 5/8 | 9/32 | 1/2 | 1 9/64 | 3.1496 | 1 17/32 | 1.4961 | 0.591 | 1/2 |
| 15/16 | **UCFS305-015D1** | | | | | | | | | | | | |
| 1 | **UCFS305-100D1** | | | | | | | | | | | | |
| 30 | **UCFS306D1** | 125 | 95 | 10 | 16 | 8 | 15 | 32 | 90 | 44 | 43 | 17 | M14 |
| 1 1/16 | **UCFS306-101D1** | | | | | | | | | | | | |
| 1 1/8 | **UCFS306-102D1** | 4 29/32 | 3 47/64 | 25/64 | 5/8 | 5/16 | 19/32 | 1 17/64 | 3.5433 | 1 47/64 | 1.6929 | 0.669 | 1/2 |
| 1 3/16 | **UCFS306-103D1** | | | | | | | | | | | | |
| 35 | **UCFS307D1** | 135 | 100 | 11 | 19 | 9 | 16 | 36 | 100 | 49 | 48 | 19 | M16 |
| 1 1/4 | **UCFS307-104D1** | | | | | | | | | | | | |
| 1 5/16 | **UCFS307-105D1** | | | | | | | | | | | | |
| 1 3/8 | **UCFS307-106D1** | 5 5/16 | 3 15/16 | 7/16 | 3/4 | 23/64 | 5/8 | 1 13/32 | 3.9370 | 1 59/64 | 1.8898 | 0.748 | 5/8 |
| 1 7/16 | **UCFS307-107D1** | | | | | | | | | | | | |
| 40 | **UCFS308D1** | 150 | 112 | 13 | 19 | 10 | 17 | 40 | 115 | 56 | 52 | 19 | M16 |
| 1 1/2 | **UCFS308-108D1** | | | | | | | | | | | | |
| 1 9/16 | **UCFS308-109D1** | 5 29/32 | 4 13/32 | 33/64 | 3/4 | 25/64 | 21/32 | 1 9/16 | 4.5276 | 2 13/64 | 2.0472 | 0.748 | 5/8 |
| 45 | **UCFS309D1** | 160 | 125 | 14 | 19 | 11 | 18 | 44 | 125 | 60 | 57 | 22 | M16 |
| 1 5/8 | **UCFS309-110D1** | | | | | | | | | | | | |
| 1 11/16 | **UCFS309-111D1** | 6 5/16 | 4 59/64 | 35/64 | 3/4 | 7/16 | 23/32 | 1 47/64 | 4.9213 | 2 23/64 | 2.2441 | 0.866 | 5/8 |
| 1 3/4 | **UCFS309-112D1** | | | | | | | | | | | | |
| 50 | **UCFS310D1** | 175 | 132 | 16 | 23 | 12 | 19 | 48 | 140 | 67 | 61 | 22 | M20 |
| 1 13/16 | **UCFS310-113D1** | | | | | | | | | | | | |
| 1 7/8 | **UCFS310-114D1** | 6 7/8 | 5 13/64 | 5/8 | 29/32 | 15/32 | 3/4 | 1 57/64 | 5.5118 | 2 41/64 | 2.4016 | 0.866 | 3/4 |
| 1 15/16 | **UCFS310-115D1** | | | | | | | | | | | | |

**Note** (1) These numbers indicate relubricatable type. If maintenance free type is needed, please order without suffix "D1".
**Remarks** Please refer to page **A21** for size of grease fitting.

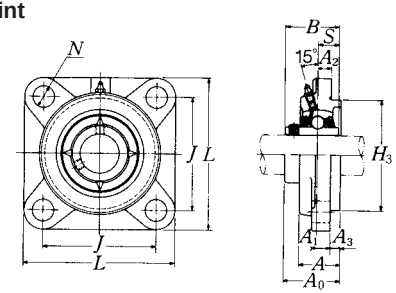





**Cast dust cover type**
Open end **C-UCFS···D1**
Closed end **CM-UCFS···D1**

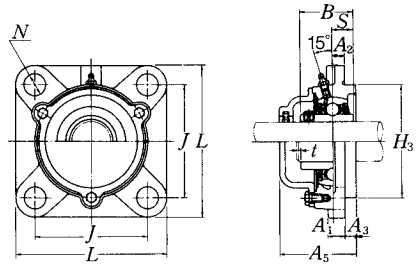
| Bearing number | Housing number | Unit number (1) cast dust cover type | Nominal dimensions mm / inch | | Mass of unit kg / lb | |
|---|---|---|---|---|---|---|
| | | | $t$ max. | $A_5$ | UCFS | C(CM) |
| UC305D1 | FS305D1 | **C(CM)-UCFS305D1** | 2 | 56 | 1.2 | 1.4 |
| UC305-013D1 | FS305D1 | **C(CM)-UCFS305-013D1** | | | | |
| UC305-014D1 | FS305D1 | **C(CM)-UCFS305-014D1** | 5/64 | 2 13/64 | 2.6 | 3.1 |
| UC305-015D1 | FS305D1 | **C(CM)-UCFS305-015D1** | | | | |
| UC305-100D1 | FS305D1 | **C(CM)-UCFS305-100D1** | | | | |
| UC306D1 | FS306D1 | **C(CM)-UCFS306D1** | 2 | 60 | 1.8 | 2.2 |
| UC306-101D1 | FS306D1 | **C(CM)-UCFS306-101D1** | | | | |
| UC306-102D1 | FS306D1 | **C(CM)-UCFS306-102D1** | 5/64 | 2 23/64 | 4.0 | 4.9 |
| UC306-103D1 | FS306D1 | **C(CM)-UCFS306-103D1** | | | | |
| UC307D1 | FS307D1 | **C(CM)-UCFS307D1** | 3 | 67 | 2.3 | 2.8 |
| UC307-104D1 | FS307D1 | **C(CM)-UCFS307-104D1** | | | | |
| UC307-105D1 | FS307D1 | **C(CM)-UCFS307-105D1** | | | | |
| UC307-106D1 | FS307D1 | **C(CM)-UCFS307-106D1** | 1/8 | 2 41/64 | 5.1 | 6.2 |
| UC307-107D1 | FS307D1 | **C(CM)-UCFS307-107D1** | | | | |
| UC308D1 | FS308D1 | **C(CM)-UCFS308D1** | 3 | 76 | 3.1 | 3.6 |
| UC308-108D1 | FS308D1 | **C(CM)-UCFS308-108D1** | | | | |
| UC308-109D1 | FS308D1 | **C(CM)-UCFS308-109D1** | 1/8 | 2 63/64 | 6.8 | 7.9 |
| UC309D1 | FS309D1 | **C(CM)-UCFS309D1** | 3 | 80 | 3.8 | 4.7 |
| UC309-110D1 | FS309D1 | **C(CM)-UCFS309-110D1** | | | | |
| UC309-111D1 | FS309D1 | **C(CM)-UCFS309-111D1** | 1/8 | 3 5/32 | 8.4 | 10 |
| UC309-112D1 | FS309D1 | **C(CM)-UCFS309-112D1** | | | | |
| UC310D1 | FS310D1 | **C(CM)-UCFS310D1** | 3 | 88 | 5.0 | 6.2 |
| UC310-113D1 | FS310D1 | **C(CM)-UCFS310-113D1** | | | | |
| UC310-114D1 | FS310D1 | **C(CM)-UCFS310-114D1** | 1/8 | 3 15/32 | 11 | 14 |
| UC310-115D1 | FS310D1 | **C(CM)-UCFS310-115D1** | | | | |

## Square flanged unit, cast housing with spigot joint
## Set screw type




| Shaft dia. mm / inch | Unit number (1) | Nominal dimensions mm / inch | | | | | | | | | | | Bolt size mm / inch |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | $L$ | $J$ | $A_2$ | $N$ | $A_3$ | $A_1$ | $A$ | $H_3$ | $A_0$ | $B$ | $S$ | |
| 55 | **UCFS311D1** | 185 | 140 | 17 | 23 | 13 | 20 | 52 | 150 | 71 | 66 | 25 | M20 |
| 2 | **UCFS311-200D1** | | | | | | | | | | | | |
| $2\frac{1}{16}$ | **UCFS311-201D1** | $7\frac{9}{32}$ | $5\frac{33}{64}$ | $\frac{43}{64}$ | $\frac{29}{32}$ | $\frac{33}{64}$ | $\frac{25}{32}$ | $2\frac{3}{64}$ | 5.9055 | $2\frac{51}{64}$ | 2.5984 | 0.984 | $\frac{3}{4}$ |
| $2\frac{1}{8}$ | **UCFS311-202D1** | | | | | | | | | | | | |
| $2\frac{3}{16}$ | **UCFS311-203D1** | | | | | | | | | | | | |
| 60 | **UCFS312D1** | 195 | 150 | 19 | 23 | 14 | 22 | 56 | 160 | 78 | 71 | 26 | M20 |
| $2\frac{1}{4}$ | **UCFS312-204D1** | | | | | | | | | | | | |
| $2\frac{5}{16}$ | **UCFS312-205D1** | $7\frac{11}{16}$ | $5\frac{29}{32}$ | $\frac{3}{4}$ | $\frac{29}{32}$ | $\frac{35}{64}$ | $\frac{7}{8}$ | $2\frac{13}{64}$ | 6.2992 | $3\frac{5}{64}$ | 2.7953 | 1.024 | $\frac{3}{4}$ |
| $2\frac{3}{8}$ | **UCFS312-206D1** | | | | | | | | | | | | |
| $2\frac{7}{16}$ | **UCFS312-207D1** | | | | | | | | | | | | |
| 65 | **UCFS313D1** | 208 | 166 | 15 | 23 | 18 | 22 | 58 | 175 | 78 | 75 | 30 | M20 |
| $2\frac{1}{2}$ | **UCFS313-208D1** | $8\frac{3}{16}$ | $6\frac{17}{32}$ | $\frac{19}{32}$ | $\frac{29}{32}$ | $\frac{45}{64}$ | $\frac{7}{8}$ | $2\frac{9}{32}$ | 6.8898 | $3\frac{5}{64}$ | 2.9528 | 1.181 | $\frac{3}{4}$ |
| $2\frac{9}{16}$ | **UCFS313-209D1** | | | | | | | | | | | | |
| 70 | **UCFS314D1** | 226 | 178 | 18 | 25 | 18 | 25 | 61 | 185 | 81 | 78 | 33 | M22 |
| $2\frac{5}{8}$ | **UCFS314-210D1** | | | | | | | | | | | | |
| $2\frac{11}{16}$ | **UCFS314-211D1** | $8\frac{29}{32}$ | $7\frac{1}{64}$ | $\frac{45}{64}$ | $\frac{63}{64}$ | $\frac{45}{64}$ | $\frac{31}{32}$ | $2\frac{13}{32}$ | 7.2835 | $3\frac{3}{16}$ | 3.0709 | 1.299 | $\frac{7}{8}$ |
| $2\frac{3}{4}$ | **UCFS314-212D1** | | | | | | | | | | | | |
| 75 | **UCFS315D1** | 236 | 184 | 21 | 25 | 18 | 25 | 66 | 200 | 89 | 82 | 32 | M22 |
| $2\frac{13}{16}$ | **UCFS315-213D1** | | | | | | | | | | | | |
| $2\frac{7}{8}$ | **UCFS315-214D1** | $9\frac{9}{32}$ | $7\frac{1}{4}$ | $\frac{53}{64}$ | $\frac{63}{64}$ | $\frac{45}{64}$ | $\frac{31}{32}$ | $2\frac{19}{32}$ | 7.8740 | $3\frac{1}{2}$ | 3.2283 | 1.260 | $\frac{7}{8}$ |
| $2\frac{15}{16}$ | **UCFS315-215D1** | | | | | | | | | | | | |
| 3 | **UCFS315-300D1** | | | | | | | | | | | | |
| 80 | **UCFS316D1** | 250 | 196 | 18 | 31 | 20 | 27 | 68 | 210 | 90 | 86 | 34 | M27 |
| $3\frac{1}{16}$ | **UCFS316-301D1** | | | | | | | | | | | | |
| $3\frac{1}{8}$ | **UCFS316-302D1** | $9\frac{27}{32}$ | $7\frac{23}{32}$ | $\frac{45}{64}$ | $1\frac{7}{32}$ | $\frac{25}{32}$ | $1\frac{1}{16}$ | $2\frac{43}{64}$ | 8.2677 | $3\frac{35}{64}$ | 3.3858 | 1.339 | 1 |
| $3\frac{3}{16}$ | **UCFS316-303D1** | | | | | | | | | | | | |

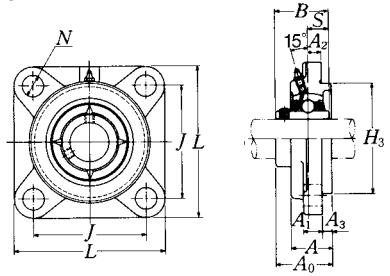
**Note** (1) These numbers indicate relubricatable type. If maintenance free type is needed, please order without suffix "D1".
**Remarks** Please refer to page **A21** for size of grease fitting.




**Cast dust cover type**
Open end **C-UCFS···D1**
Closed end **CM-UCFS···D1**

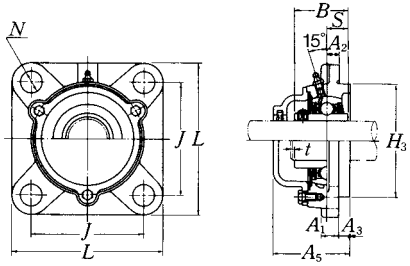
| Bearing number | Housing number | Unit number (1) cast dust cover type | Nominal dimensions mm / inch | | Mass of unit kg / lb | |
|---|---|---|---|---|---|---|
| | | | $t$ max. | $A_5$ | UCFS | C(CM) |
| UC311D1 | FS311D1 | **C(CM)-UCFS311D1** | 4 | 93 | 5.9 | 7.2 |
| UC311-200D1 | FS311D1 | **C(CM)-UCFS311-200D1** | | | | |
| UC311-201D1 | FS311D1 | **C(CM)-UCFS311-201D1** | $\frac{5}{32}$ | $3\frac{21}{32}$ | 13 | 16 |
| UC311-202D1 | FS311D1 | **C(CM)-UCFS311-202D1** | | | | |
| UC311-203D1 | FS311D1 | **C(CM)-UCFS311-203D1** | | | | |
| UC312D1 | FS312D1 | **C(CM)-UCFS312D1** | 4 | 100 | 7.0 | 8.4 |
| UC312-204D1 | FS312D1 | **C(CM)-UCFS312-204D1** | | | | |
| UC312-205D1 | FS312D1 | **C(CM)-UCFS312-205D1** | $\frac{5}{32}$ | $3\frac{15}{16}$ | 15 | 19 |
| UC312-206D1 | FS312D1 | **C(CM)-UCFS312-206D1** | | | | |
| UC312-207D1 | FS312D1 | **C(CM)-UCFS312-207D1** | | | | |
| UC313D1 | FS313D1 | **C(CM)-UCFS313D1** | 4 | 103 | 8.6 | 10 |
| UC313-208D1 | FS313D1 | **C(CM)-UCFS313-208D1** | $\frac{5}{32}$ | $4\frac{1}{16}$ | 19 | 22 |
| UC313-209D1 | FS313D1 | **C(CM)-UCFS313-209D1** | | | | |
| UC314D1 | FS314D1 | **C(CM)-UCFS314D1** | 4 | 106 | 10 | 12 |
| UC314-210D1 | FS314D1 | **C(CM)-UCFS314-210D1** | | | | |
| UC314-211D1 | FS314D1 | **C(CM)-UCFS314-211D1** | $\frac{5}{32}$ | $4\frac{11}{64}$ | 22 | 26 |
| UC314-212D1 | FS314D1 | **C(CM)-UCFS314-212D1** | | | | |
| UC315D1 | FS315D1 | **C(CM)-UCFS315D1** | 4 | 114 | 12 | 14 |
| UC315-213D1 | FS315D1 | **C(CM)-UCFS315-213D1** | | | | |
| UC315-214D1 | FS315D1 | **C(CM)-UCFS315-214D1** | $\frac{5}{32}$ | $4\frac{31}{64}$ | 26 | 31 |
| UC315-215D1 | FS315D1 | **C(CM)-UCFS315-215D1** | | | | |
| UC315-300D1 | FS315D1 | **C(CM)-UCFS315-300D1** | | | | |
| UC316D1 | FS316D1 | **C(CM)-UCFS316D1** | 4 | 116 | 14 | 17 |
| UC316-301D1 | FS316D1 | **C(CM)-UCFS316-301D1** | | | | |
| UC316-302D1 | FS316D1 | **C(CM)-UCFS316-302D1** | $\frac{5}{32}$ | $4\frac{9}{16}$ | 31 | 37 |
| UC316-303D1 | FS316D1 | **C(CM)-UCFS316-303D1** | | | | |

## Square flanged unit, cast housing with spigot joint
## Set screw type




| Shaft dia. mm / inch | Unit number (1) | Nominal dimensions mm / inch | | | | | | | | | | | Bolt size mm / inch |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | $L$ | $J$ | $A_2$ | $N$ | $A_3$ | $A_1$ | $A$ | $H_3$ | $A_0$ | $B$ | $S$ | |
| 85 | **UCFS317D1** | 260 | 204 | 24 | 31 | 20 | 27 | 74 | 220 | 100 | 96 | 40 | M27 |
| 3 1/4 | **UCFS317-304D1** | | | | | | | | | | | | |
| 3 5/16 | **UCFS317-305D1** | 10 1/4 | 8 1/32 | 15/16 | 1 7/32 | 25/32 | 1 1/16 | 2 29/32 | 8.6614 | 3 15/16 | 3.7795 | 1.575 | 1 |
| 3 7/16 | **UCFS317-307D1** | | | | | | | | | | | | |
| 90 | **UCFS318D1** | 280 | 216 | 24 | 35 | 20 | 30 | 76 | 240 | 100 | 96 | 40 | M30 |
| 3 7/16 | **UCFS318-307D1** | 11 1/32 | 8 1/2 | 15/16 | 1 3/8 | 25/32 | 1 3/16 | 2 63/64 | 9.4488 | 3 15/16 | 3.7795 | 1.575 | 1 1/8 |
| 3 1/2 | **UCFS318-308D1** | | | | | | | | | | | | |
| 95 | **UCFS319D1** | 290 | 228 | 39 | 35 | 20 | 30 | 94 | 250 | 121 | 103 | 41 | M30 |
| 3 5/8 | **UCFS319-310D1** | | | | | | | | | | | | |
| 3 11/16 | **UCFS319-311D1** | 11 13/32 | 8 31/32 | 1 17/32 | 1 3/8 | 25/32 | 1 3/16 | 3 45/64 | 9.8425 | 4 49/64 | 4.0551 | 1.614 | 1 1/8 |
| 3 3/4 | **UCFS319-312D1** | | | | | | | | | | | | |
| 100 | **UCFS320D1** | 310 | 242 | 39 | 38 | 20 | 32 | 94 | 260 | 125 | 108 | 42 | M33 |
| 3 13/16 | **UCFS320-313D1** | | | | | | | | | | | | |
| 3 7/8 | **UCFS320-314D1** | 12 7/32 | 9 17/32 | 1 17/32 | 1 1/2 | 25/32 | 1 1/4 | 3 45/64 | 10.2362 | 4 59/64 | 4.2520 | 1.654 | 1 1/4 |
| 3 15/16 | **UCFS320-315D1** | | | | | | | | | | | | |
| 4 | **UCFS320-400D1** | | | | | | | | | | | | |
| 105 | **UCFS321D1** | 310 | 242 | 39 | 38 | 20 | 32 | 94 | 260 | 127 | 112 | 44 | M33 |
| 110 | **UCFS322D1** | 340 | 266 | 35 | 41 | 25 | 35 | 96 | 300 | 131 | 117 | 46 | M36 |
| 120 | **UCFS324D1** | 370 | 290 | 35 | 41 | 30 | 40 | 110 | 330 | 140 | 126 | 51 | M36 |
| 130 | **UCFS326D1** | 410 | 320 | 35 | 41 | 30 | 45 | 115 | 360 | 146 | 135 | 54 | M36 |
| 140 | **UCFS328D1** | 450 | 350 | 45 | 41 | 30 | 55 | 125 | 400 | 161 | 145 | 59 | M36 |

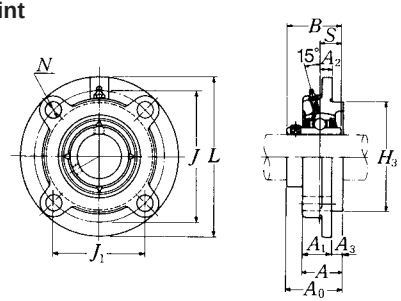
**Note** (1) These numbers indicate relubricatable type. If maintenance free type is needed, please order without suffix "D1".
**Remarks** Please refer to page **A21** for size of grease fitting.




**Cast dust cover type**
Open end **C-UCFS···D1**
Closed end **CM-UCFS···D1**

| Bearing number | Housing number | Unit number (1) cast dust cover type | Nominal dimensions mm / inch | | Mass of unit kg / lb | |
|---|---|---|---|---|---|---|
| | | | $t$ max. | $A_5$ | UCFS | C(CM) |
| UC317D1 | FS317D1 | **C(CM)-UCFS317D1** | 5 | 129 | 17 | 20 |
| UC317-304D1 | FS317D1 | **C(CM)-UCFS317-304D1** | | | | |
| UC317-305D1 | FS317D1 | **C(CM)-UCFS317-305D1** | 13/64 | 5 5/64 | 37 | 44 |
| UC317-307D1 | FS317D1 | **C(CM)-UCFS317-307D1** | | | | |
| UC318D1 | FS318D1 | **C(CM)-UCFS318D1** | 5 | 129 | 20 | 24 |
| UC318-307D1 | FS318D1 | **C(CM)-UCFS318-307D1** | 13/64 | 5 5/64 | 44 | 53 |
| UC318-308D1 | FS318D1 | **C(CM)-UCFS318-308D1** | | | | |
| UC319D1 | FS319D1 | **C(CM)-UCFS319D1** | 5 | 149 | 24 | 28 |
| UC319-310D1 | FS319D1 | **C(CM)-UCFS319-310D1** | | | | |
| UC319-311D1 | FS319D1 | **C(CM)-UCFS319-311D1** | 13/64 | 5 55/64 | 53 | 62 |
| UC319-312D1 | FS319D1 | **C(CM)-UCFS319-312D1** | | | | |
| UC320D1 | FS320D1 | **C(CM)-UCFS320D1** | 5 | 154 | 29 | 34 |
| UC320-313D1 | FS320D1 | **C(CM)-UCFS320-313D1** | | | | |
| UC320-314D1 | FS320D1 | **C(CM)-UCFS320-314D1** | 13/64 | 6 1/16 | 64 | 75 |
| UC320-315D1 | FS320D1 | **C(CM)-UCFS320-315D1** | | | | |
| UC320-400D1 | FS320D1 | **C(CM)-UCFS320-400D1** | | | | |
| UC321D1 | FS321D1 | **C(CM)-UCFS321D1** | 5 | 156 | 28 | 33 |
| UC322D1 | FS322D1 | **C(CM)-UCFS322D1** | 5 | 160 | 38 | 45 |
| UC324D1 | FS324D1 | **C(CM)-UCFS324D1** | 5 | 172 | 52 | 59 |
| UC326D1 | FS326D1 | **C(CM)-UCFS326D1** | 6 | 178 | 69 | 77 |
| UC328D1 | FS328D1 | **C(CM)-UCFS328D1** | 6 | 192 | 98 | 109 |

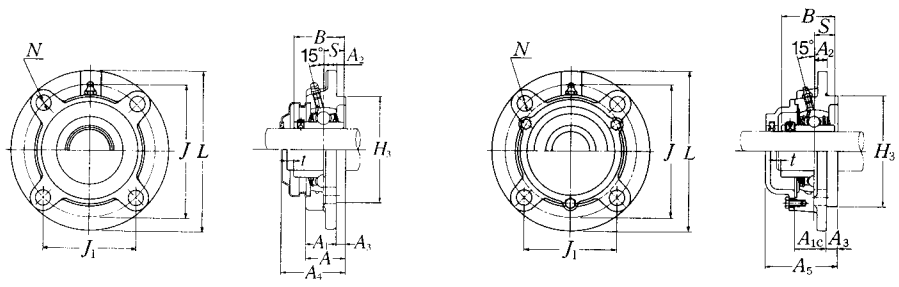
## Round flanged unit, cast housing with spigot joint
## Set screw type




| Shaft dia. mm / inch | Unit number (1) | Nominal dimensions mm / inch | | | | | | | | | | | | Bolt size mm / inch |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | $L$ | $J$ | $(J_1)$ | $A_2$ | $N$ | $A_3$ | $A_1$ | $A$ | $H_3$ | $A_0$ | $B$ | $S$ | |
| 12 | UCFC201D1 | 100 | 78 | 55.2 | 10 | 12 | 5 | 20.5 | 25.5 | 62 | 33.3 | 31 | 12.7 | M10 |
| 1/2 | UCFC201-008D1 | 3 15/16 | 3 5/64 | 2 11/64 | 25/64 | 15/32 | 13/64 | 13/16 | 1 | 2.4409 | 1 15/16 | 1.2205 | 0.500 | 3/8 |
| 15 | UCFC202D1 | 100 | 78 | 55.2 | 10 | 12 | 5 | 20.5 | 25.5 | 62 | 33.3 | 31 | 12.7 | M10 |
| 9/16 | UCFC202-009D1 | 3 15/16 | 3 5/64 | 2 11/64 | 25/64 | 15/32 | 13/64 | 13/16 | 1 | 2.4409 | 1 5/16 | 1.2205 | 0.500 | 3/8 |
| 5/8 | UCFC202-010D1 | | | | | | | | | | | | | |
| 17 | UCFC203D1 | 100 | 78 | 55.2 | 10 | 12 | 5 | 20.5 | 25.5 | 62 | 33.3 | 31 | 12.7 | M10 |
| 11/16 | UCFC203-011D1 | 3 15/16 | 3 5/64 | 2 11/64 | 25/64 | 15/32 | 13/64 | 13/16 | 1 | 2.4409 | 1 5/16 | 1.2205 | 0.500 | 3/8 |
| 20 | UCFC204D1 | 100 | 78 | 55.2 | 10 | 12 | 5 | 20.5 | 25.5 | 62 | 33.3 | 31 | 12.7 | M10 |
| 3/4 | UCFC204-012D1 | 3 15/16 | 3 5/64 | 2 11/64 | 25/64 | 15/32 | 13/64 | 13/16 | 1 | 2.4409 | 1 5/16 | 1.2205 | 0.500 | 3/8 |
| 25 | UCFC205D1 | 115 | 90 | 63.6 | 10 | 12 | 6 | 21 | 27 | 70 | 35.8 | 34.1 | 14.3 | M10 |
| 13/16 | UCFC205-013D1 | | | | | | | | | | | | | |
| 7/8 | UCFC205-014D1 | 4 17/32 | 3 35/64 | 2 1/2 | 25/64 | 15/32 | 15/64 | 13/16 | 1 1/16 | 2.7559 | 1 13/32 | 1.3425 | 0.563 | 3/8 |
| 15/16 | UCFC205-015D1 | | | | | | | | | | | | | |
| 1 | UCFC205-100D1 | | | | | | | | | | | | | |
| 30 | UCFC206D1 | 125 | 100 | 70.7 | 10 | 12 | 8 | 23 | 31 | 80 | 40.2 | 38.1 | 15.9 | M10 |
| 1 1/16 | UCFC206-101D1 | | | | | | | | | | | | | |
| 1 1/8 | UCFC206-102D1 | 4 29/32 | 3 15/16 | 2 25/32 | 25/64 | 15/32 | 5/16 | 29/32 | 1 7/32 | 3.1496 | 1 37/64 | 1.5000 | 0.629 | 3/8 |
| 1 3/16 | UCFC206-103D1 | | | | | | | | | | | | | |
| 1 1/4 | UCFC206-104D1 | | | | | | | | | | | | | |
| 35 | UCFC207D1 | 135 | 110 | 77.8 | 11 | 14 | 8 | 26 | 34 | 90 | 44.4 | 42.9 | 17.5 | M12 |
| 1 1/4 | UCFC207-104D1 | | | | | | | | | | | | | |
| 1 5/16 | UCFC207-105D1 | 5 5/16 | 4 21/64 | 3 1/16 | 7/16 | 35/64 | 5/16 | 1 1/32 | 1 11/32 | 3.5433 | 1 3/4 | 1.6890 | 0.689 | 7/16 |
| 1 3/8 | UCFC207-106D1 | | | | | | | | | | | | | |
| 1 7/16 | UCFC207-107D1 | | | | | | | | | | | | | |
| 40 | UCFC208D1 | 145 | 120 | 84.9 | 11 | 14 | 10 | 26 | 36 | 100 | 51.2 | 49.2 | 19 | M12 |
| 1 1/2 | UCFC208-108D1 | 5 23/32 | 4 23/32 | 3 11/32 | 7/16 | 35/64 | 25/64 | 1 1/32 | 1 27/64 | 3.9370 | 2 1/64 | 1.9370 | 0.748 | 7/16 |
| 1 9/16 | UCFC208-109D1 | | | | | | | | | | | | | |
| 45 | UCFC209D1 | 160 | 132 | 93.3 | 10 | 16 | 12 | 26 | 38 | 105 | 52.2 | 49.2 | 19 | M14 |
| 1 5/8 | UCFC209-110D1 | | | | | | | | | | | | | |
| 1 11/16 | UCFC209-111D1 | 6 5/16 | 5 13/64 | 3 43/64 | 25/64 | 5/8 | 15/32 | 1 1/32 | 1 1/2 | 4.1339 | 2 3/64 | 1.9370 | 0.748 | 1/2 |
| 1 3/4 | UCFC209-112D1 | | | | | | | | | | | | | |

**Note** (1) These numbers indicate relubricatable type. If maintenance free type is needed, please order without suffix "D1".
**Remarks** Please refer to page **A21** for size of grease fitting.



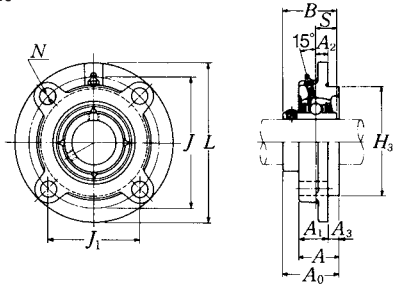



**Pressed steel dust cover type**
Open end **Z-UCFC···D1**
Closed end **ZM-UCFC···D1**

**Cast dust cover type**
Open end **C-UCFC···D1**
Closed end **CM-UCFC···D1**

| Bearing number | Housing number | Unit number (1) pressed steel dust cover type | Unit number (1) cast dust cover type | Nominal dimensions mm / inch | | | | Mass of unit kg / lb | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | $t$ max. | $A_4$ | $A_{1C}$ | $A_5$ | UCFC | Z(ZM) | C(CM) |
| UC201D1 | FC204D1 | Z(ZM)-UCFC201D1 | C(CM)-UCFC201D1 | 2 | 38 | 20.5 | 46 | 0.8 | 0.8 | 0.9 |
| UC201-008D1 | FC204D1 | Z(ZM)-UCFC201-008D1 | C(CM)-UCFC201-008D1 | 5/64 | 1 1/2 | 13/16 | 1 13/16 | 1.8 | 1.8 | 2.0 |
| UC202D1 | FC204D1 | Z(ZM)-UCFC202D1 | C(CM)-UCFC202D1 | 2 | 38 | 20.5 | 46 | 0.8 | 0.8 | 0.9 |
| UC202-009D1 | FC204D1 | Z(ZM)-UCFC202-009D1 | C(CM)-UCFC202-009D1 | 5/64 | 1 1/2 | 13/16 | 1 13/16 | 1.8 | 1.8 | 2.0 |
| UC202-010D1 | FC204D1 | Z(ZM)-UCFC202-010D1 | C(CM)-UCFC202-010D1 | | | | | | | |
| UC203D1 | FC204D1 | Z(ZM)-UCFC203D1 | C(CM)-UCFC203D1 | 2 | 38 | 20.5 | 46 | 0.8 | 0.8 | 0.9 |
| UC203-011D1 | FC204D1 | Z(ZM)-UCFC203-011D1 | C(CM)-UCFC203-011D1 | 5/64 | 1 1/2 | 13/16 | 1 13/16 | 1.8 | 1.8 | 2.0 |
| UC204D1 | FC204D1 | Z(ZM)-UCFC204D1 | C(CM)-UCFC204D1 | 2 | 38 | 20.5 | 46 | 0.7 | 0.7 | 0.9 |
| UC204-012D1 | FC204D1 | Z(ZM)-UCFC204-012D1 | C(CM)-UCFC204-012D1 | 5/64 | 1 1/2 | 13/16 | 1 13/16 | 1.5 | 1.5 | 2.0 |
| UC205D1 | FC205D1 | Z(ZM)-UCFC205D1 | C(CM)-UCFC205D1 | 2 | 40 | 22 | 51 | 1.0 | 1.0 | 1.2 |
| UC205-013D1 | FC205D1 | Z(ZM)-UCFC205-013D1 | C(CM)-UCFC205-013D1 | | | | | | | |
| UC205-014D1 | FC205D1 | Z(ZM)-UCFC205-014D1 | C(CM)-UCFC205-014D1 | 5/64 | 1 19/32 | 7/8 | 2 | 2.2 | 2.2 | 2.6 |
| UC205-015D1 | FC205D1 | Z(ZM)-UCFC205-015D1 | C(CM)-UCFC205-015D1 | | | | | | | |
| UC205-100D1 | FC205D1 | Z(ZM)-UCFC205-100D1 | C(CM)-UCFC205-100D1 | | | | | | | |
| UC206D1 | FC206D1 | Z(ZM)-UCFC206D1 | C(CM)-UCFC206D1 | 2 | 45 | 24.5 | 56 | 1.3 | 1.4 | 1.6 |
| UC206-101D1 | FC206D1 | Z(ZM)-UCFC206-101D1 | C(CM)-UCFC206-101D1 | | | | | | | |
| UC206-102D1 | FC206D1 | Z(ZM)-UCFC206-102D1 | C(CM)-UCFC206-102D1 | 5/64 | 1 3/4 | 31/32 | 2 13/64 | 2.9 | 3.1 | 3.5 |
| UC206-103D1 | FC206D1 | Z(ZM)-UCFC206-103D1 | C(CM)-UCFC206-103D1 | | | | | | | |
| UC206-104D1 | FC206D1 | — | C(CM)-UCFC206-104D1 | | | | | | | |
| UC207D1 | FC207D1 | Z(ZM)-UCFC207D1 | C(CM)-UCFC207D1 | 3 | 49 | 26 | 59 | 1.6 | 1.7 | 1.9 |
| UC207-104D1 | FC207D1 | Z(ZM)-UCFC207-104D1 | C(CM)-UCFC207-104D1 | | | | | | | |
| UC207-105D1 | FC207D1 | Z(ZM)-UCFC207-105D1 | C(CM)-UCFC207-105D1 | 1/8 | 1 15/16 | 1 1/32 | 2 21/64 | 3.5 | 3.7 | 4.2 |
| UC207-106D1 | FC207D1 | Z(ZM)-UCFC207-106D1 | C(CM)-UCFC207-106D1 | | | | | | | |
| UC207-107D1 | FC207D1 | — | C(CM)-UCFC207-107D1 | | | | | | | |
| UC208D1 | FC208D1 | Z(ZM)-UCFC208D1 | C(CM)-UCFC208D1 | 3 | 56 | 27.5 | 66 | 2.0 | 2.1 | 2.4 |
| UC208-108D1 | FC208D1 | Z(ZM)-UCFC208-108D1 | C(CM)-UCFC208-108D1 | 1/8 | 2 3/16 | 1 5/64 | 2 19/32 | 4.4 | 4.6 | 5.3 |
| UC208-109D1 | FC208D1 | Z(ZM)-UCFC208-109D1 | C(CM)-UCFC208-109D1 | | | | | | | |
| UC209D1 | FC209D1 | Z(ZM)-UCFC209D1 | C(CM)-UCFC209D1 | 3 | 57 | 28 | 70 | 2.7 | 2.7 | 3.2 |
| UC209-110D1 | FC209D1 | Z(ZM)-UCFC209-110D1 | C(CM)-UCFC209-110D1 | | | | | | | |
| UC209-111D1 | FC209D1 | Z(ZM)-UCFC209-111D1 | C(CM)-UCFC209-111D1 | 1/8 | 2 1/4 | 1 7/64 | 2 3/4 | 6.0 | 6.0 | 7.1 |
| UC209-112D1 | FC209D1 | Z(ZM)-UCFC209-112D1 | C(CM)-UCFC209-112D1 | | | | | | | |

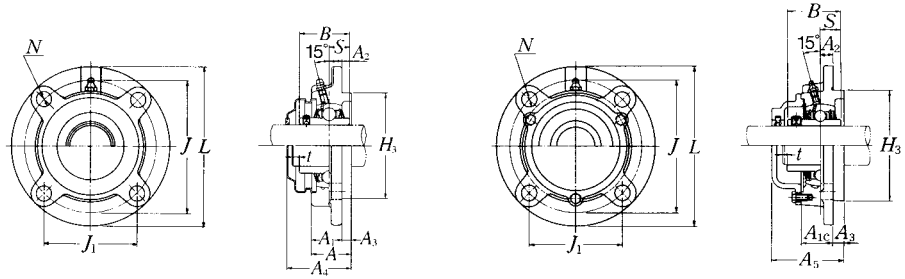
## Round flanged unit, cast housing with spigot joint
## Set screw type




| Shaft dia. mm / inch | Unit number (1) | Nominal dimensions mm / inch: L | J | (J1) | A2 | N | A3 | A1 | A | H3 | A0 | B | S | Bolt size mm / inch |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 50 | UCFC210D1 | 165 | 138 | 97.6 | 10 | 16 | 12 | 28 | 40 | 110 | 54.6 | 51.6 | 19 | M14 |
| 1 13/16 | UCFC210-113D1 | | | | | | | | | | | | | |
| 1 7/8 | UCFC210-114D1 | 6 1/2 | 5 7/16 | 3 27/32 | 25/64 | 5/8 | 15/32 | 1 3/32 | 1 37/64 | 4.3307 | 2 5/32 | 2.0315 | 0.748 | 1/2 |
| 1 15/16 | UCFC210-115D1 | | | | | | | | | | | | | |
| 2 | UCFC210-200D1 | | | | | | | | | | | | | |
| 55 | UCFC211D1 | 185 | 150 | 106.1 | 13 | 19 | 12 | 31 | 43 | 125 | 58.4 | 55.6 | 22.2 | M16 |
| 2 | UCFC211-200D1 | | | | | | | | | | | | | |
| 2 1/16 | UCFC211-201D1 | 7 9/32 | 5 29/32 | 4 11/64 | 33/64 | 3/4 | 15/32 | 1 7/32 | 1 11/16 | 4.9213 | 2 19/64 | 2.1890 | 0.874 | 5/8 |
| 2 1/8 | UCFC211-202D1 | | | | | | | | | | | | | |
| 2 3/16 | UCFC211-203D1 | | | | | | | | | | | | | |
| 60 | UCFC212D1 | 195 | 160 | 113.1 | 17 | 19 | 12 | 36 | 48 | 135 | 68.7 | 65.1 | 25.4 | M16 |
| 2 1/4 | UCFC212-204D1 | | | | | | | | | | | | | |
| 2 5/16 | UCFC212-205D1 | 7 11/16 | 6 19/64 | 4 29/64 | 43/64 | 3/4 | 15/32 | 1 13/32 | 1 57/64 | 5.3150 | 2 45/64 | 2.5630 | 1.000 | 5/8 |
| 2 3/8 | UCFC212-206D1 | | | | | | | | | | | | | |
| 2 7/16 | UCFC212-207D1 | | | | | | | | | | | | | |
| 65 | UCFC213D1 | 205 | 170 | 120,2 | 16 | 19 | 14 | 36 | 50 | 145 | 69.7 | 65.1 | 25.4 | M16 |
| 2 1/2 | UCFC213-208D1 | 8 1/16 | 6 11/16 | 4 47/64 | 5/8 | 3/4 | 35/64 | 1 13/32 | 1 31/32 | 5.7087 | 2 3/4 | 2.5630 | 1.000 | 5/8 |
| 2 9/16 | UCFC213-209D1 | | | | | | | | | | | | | |
| 70 | UCFC214D1 | 215 | 177 | 125.2 | 17 | 19 | 14 | 40 | 54 | 150 | 75.4 | 74.6 | 30.2 | M16 |
| 2 5/8 | UCFC214-210D1 | | | | | | | | | | | | | |
| 2 11/16 | UCFC214-211D1 | 8 15/32 | 6 31/32 | 4 59/64 | 43/64 | 3/4 | 35/64 | 1 37/64 | 2 1/8 | 5.9055 | 2 31/32 | 2.9370 | 1.189 | 5/8 |
| 2 3/4 | UCFC214-212D1 | | | | | | | | | | | | | |
| 75 | UCFC215D1 | 220 | 184 | 130.1 | 18 | 19 | 16 | 40 | 56 | 160 | 78.5 | 77.8 | 33.3 | M16 |
| 2 13/16 | UCFC215-213D1 | | | | | | | | | | | | | |
| 2 7/8 | UCFC215-214D1 | 8 21/32 | 7 1/4 | 5 1/8 | 45/64 | 3/4 | 5/8 | 1 37/64 | 2 13/64 | 6.2992 | 3 3/32 | 3.0630 | 1.311 | 5/8 |
| 2 15/16 | UCFC215-215D1 | | | | | | | | | | | | | |
| 3 | UCFC215-300D1 | | | | | | | | | | | | | |
| 80 | UCFC216D1 | 240 | 200 | 141.4 | 18 | 23 | 16 | 42 | 58 | 170 | 83.3 | 82.6 | 33.3 | M20 |
| 3 1/16 | UCFC216-301D1 | | | | | | | | | | | | | |
| 3 1/8 | UCFC216-302D1 | 9 7/16 | 7 7/8 | 5 9/16 | 45/64 | 29/32 | 5/8 | 1 21/32 | 2 9/32 | 6.6929 | 3 9/32 | 3.2520 | 1.311 | 3/4 |
| 3 3/16 | UCFC216-303D1 | | | | | | | | | | | | | |

**Note** (1) These numbers indicate relubricatable type. If maintenance free type is needed, please order without suffix "D1".
**Remarks** Please refer to page **A21** for size of grease fitting.



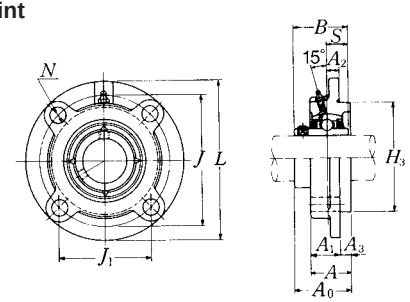



**Pressed steel dust cover type**
Open end **Z-UCFC···D1**
Closed end **ZM-UCFC···D1**

**Cast dust cover type**
Open end **C-UCFC···D1**
Closed end **CM-UCFC···D1**

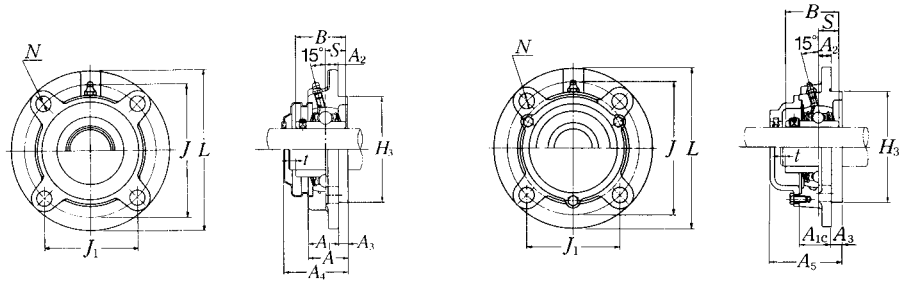
| Bearing number | Housing number | Unit number (1) pressed steel dust cover type | Unit number (1) cast dust cover type | Nominal dimensions mm / inch: t max. | A4 | A1C | A5 | Mass of unit kg / lb: UCFC | Z(ZM) | C(CM) |
|---|---|---|---|---|---|---|---|---|---|---|
| UC210D1 | FC210D1 | Z(ZM)-UCFC210D1 | C(CM)-UCFC210D1 | 3 | 60 | 29 | 72 | 3.0 | 3.1 | 3.6 |
| UC210-113D1 | FC210D1 | Z(ZM)-UCFC210-113D1 | C(CM)-UCFC210-113D1 | | | | | | | |
| UC210-114D1 | FC210D1 | Z(ZM)-UCFC210-114D1 | C(CM)-UCFC210-114D1 | 1/8 | 2 3/8 | 1 5/32 | 2 53/64 | 6.6 | 6.8 | 7.9 |
| UC210-115D1 | FC210D1 | Z(ZM)-UCFC210-115D1 | C(CM)-UCFC210-115D1 | | | | | | | |
| UC210-200D1 | FC210D1 | — | C(CM)-UCFC210-200D1 | | | | | | | |
| UC211D1 | FC211D1 | Z(ZM)-UCFC211D1 | C(CM)-UCFC211D1 | 4 | 64 | 32.5 | 75 | 4.1 | 4.2 | 4.8 |
| UC211-200D1 | FC211D1 | Z(ZM)-UCFC211-200D1 | C(CM)-UCFC211-200D1 | | | | | | | |
| UC211-201D1 | FC211D1 | Z(ZM)-UCFC211-201D1 | C(CM)-UCFC211-201D1 | 5/32 | 2 1/2 | 1 9/32 | 2 61/64 | 9.0 | 9.3 | 11 |
| UC211-202D1 | FC211D1 | Z(ZM)-UCFC211-202D1 | C(CM)-UCFC211-202D1 | | | | | | | |
| UC211-203D1 | FC211D1 | Z(ZM)-UCFC211-203D1 | C(CM)-UCFC211-203D1 | | | | | | | |
| UC212D1 | FC212D1 | Z(ZM)-UCFC212D1 | C(CM)-UCFC212D1 | 4 | 74 | 38 | 86 | 4.9 | 5.1 | 5.9 |
| UC212-204D1 | FC212D1 | Z(ZM)-UCFC212-204D1 | C(CM)-UCFC212-204D1 | | | | | | | |
| UC212-205D1 | FC212D1 | Z(ZM)-UCFC212-205D1 | C(CM)-UCFC212-205D1 | 5/32 | 2 29/32 | 1 1/2 | 3 25/64 | 11 | 11 | 13 |
| UC212-206D1 | FC212D1 | Z(ZM)-UCFC212-206D1 | C(CM)-UCFC212-206D1 | | | | | | | |
| UC212-207D1 | FC212D1 | — | C(CM)-UCFC212-207D1 | | | | | | | |
| UC213D1 | FC213D1 | Z(ZM)-UCFC213D1 | C(CM)-UCFC213D1 | 4 | 76 | 38 | 89.5 | 5.8 | 6.0 | 6.8 |
| UC213-208D1 | FC213D1 | Z(ZM)-UCFC213-208D1 | C(CM)-UCFC213-208D1 | 5/32 | 3 | 1 1/2 | 3 17/32 | 13 | 13 | 15 |
| UC213-209D1 | FC213D1 | Z(ZM)-UCFC213-209D1 | C(CM)-UCFC213-209D1 | | | | | | | |
| UC214D1 | FC214D1 | — | C(CM)-UCFC214D1 | 4 | — | 39.5 | 98 | 7.0 | — | 8.0 |
| UC214-210D1 | FC214D1 | | C(CM)-UCFC214-210D1 | | | | | | | |
| UC214-211D1 | FC214D1 | — | C(CM)-UCFC214-211D1 | 5/32 | — | 1 9/16 | 3 55/64 | 15 | — | 18 |
| UC214-212D1 | FC214D1 | | C(CM)-UCFC214-212D1 | | | | | | | |
| UC215D1 | FC215D1 | — | C(CM)-UCFC215D1 | 4 | — | 43 | 102 | 7.4 | — | 8.8 |
| UC215-213D1 | FC215D1 | | C(CM)-UCFC215-213D1 | | | | | | | |
| UC215-214D1 | FC215D1 | — | C(CM)-UCFC215-214D1 | 5/32 | — | 1 11/16 | 4 1/64 | 16 | — | 19 |
| UC215-215D1 | FC215D1 | | C(CM)-UCFC215-215D1 | | | | | | | |
| UC215-300D1 | FC215D1 | | C(CM)-UCFC215-300D1 | | | | | | | |
| UC216D1 | FC216D1 | — | C(CM)-UCFC216D1 | 4 | — | 43 | 106 | 9.1 | — | 10 |
| UC216-301D1 | FC216D1 | | C(CM)-UCFC216-301D1 | | | | | | | |
| UC216-302D1 | FC216D1 | — | C(CM)-UCFC216-302D1 | 5/32 | — | 1 11/16 | 4 11/64 | 20 | — | 22 |
| UC216-303D1 | FC216D1 | | C(CM)-UCFC216-303D1 | | | | | | | |

## Round flanged unit, cast housing with spigot joint
## Set screw type




| Shaft dia. mm / inch | Unit number (1) | Nominal dimensions mm / inch | | | | | | | | | | | | Bolt size mm / inch |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | $L$ | $J$ | $(J_1)$ | $A_2$ | $N$ | $A_3$ | $A_1$ | $A$ | $H_3$ | $A_0$ | $B$ | $S$ | |
| 85 | UCFC217D1 | 250 | 208 | 147.1 | 18 | 23 | 18 | 45 | 63 | 180 | 87.6 | 85.7 | 34.1 | M20 |
| 3 1/4 | UCFC217-304D1 | | | | | | | | | | | | | |
| 3 5/16 | UCFC217-305D1 | 9 27/32 | 8 3/16 | 5 51/64 | 45/64 | 29/32 | 45/64 | 1 25/32 | 2 31/64 | 7.0866 | 3 29/64 | 3.3740 | 1.343 | 3/4 |
| 3 7/16 | UCFC217-307D1 | | | | | | | | | | | | | |
| 90 | UCFC218D1 | 265 | 220 | 155.6 | 22 | 23 | 18 | 50 | 68 | 190 | 96.3 | 96 | 39.7 | M20 |
| 3 1/2 | UCFC218-308D1 | 10 7/16 | 8 21/32 | 6 1/8 | 55/64 | 29/32 | 45/64 | 1 31/32 | 2 43/64 | 7.4803 | 3 51/64 | 3.7795 | 1.563 | 3/4 |

**Note** (1) These numbers indicate relubricatable type. If maintenance free type is needed, please order without suffix "D1".
**Remarks** Please refer to page **A21** for size of grease fitting.

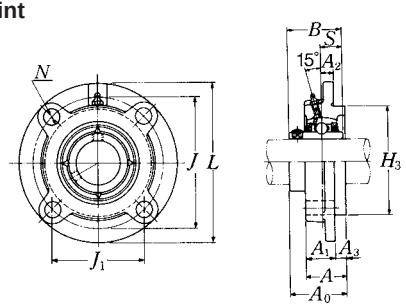



**Pressed steel dust cover type**
Open end **Z-UCFC···D1**
Closed end **ZM-UCFC···D1**

**Cast dust cover type**
Open end **C-UCFC···D1**
Closed end **CM-UCFC···D1**

| Bearing number | Housing number | Unit number (1) pressed steel dust cover type | Unit number (1) cast dust cover type | Nominal deimensions mm / inch | | | | Mass of unit kg / lb | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | $t$ max. | $A_4$ | $A_{1C}$ | $A_5$ | UCFC | Z(ZM) | C(CM) |
| UC217D1 | FC217D1 | — | C(CM)-UCFC217D1 | 5 | — | 45.5 | 114 | 11 | — | 12 |
| UC217-304D1 | FC217D1 | | C(CM)-UCFC217-304D1 | | | | | | | |
| UC217-305D1 | FC217D1 | — | C(CM)-UCFC217-305D1 | 13/64 | — | 1 51/64 | 4 31/64 | 24 | — | 26 |
| UC217-307D1 | FC217D1 | | C(CM)-UCFC217-307D1 | | | | | | | |
| UC218D1 | FC218D1 | — | C(CM)-UCFC218D1 | 5 | — | 50 | 122 | 13 | — | 15 |
| UC218-308D1 | FC218D1 | — | C(CM)-UCFC218-308D1 | 13/64 | — | 1 31/32 | 4 51/64 | 29 | — | 33 |

## Round flanged unit, cast housing with spigot joint
## Set screw type

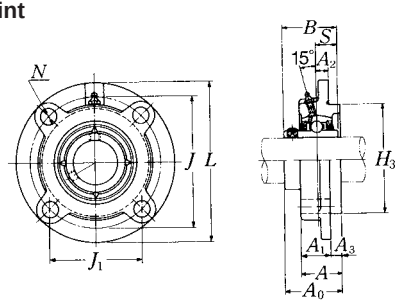



| Shaft dia. mm / inch | Unit number (1) | Nominal dimensions mm / inch | | | | | | | | | | | | Bolt size mm / inch |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | $L$ | $J$ | $(J_1)$ | $A_2$ | $N$ | $A_3$ | $A_1$ | $A$ | $H_3$ | $A_0$ | $B$ | $S$ | |
| 25 | **UCFCX05D1** | 111 | 92 | 65.1 | 10 | 9.5 | 6 | 24 | 30 | 76 | 38.2 | 38.1 | 15.9 | M8 |
| 13/16 | **UCFCX05-013D1** | | | | | | | | | | | | | |
| 7/8 | **UCFCX05-014D1** | 4 3/8 | 3 5/8 | 2 9/16 | 25/64 | 3/8 | 1/4 | 15/16 | 1 3/16 | 2.9921 | 1 1/2 | 1.5000 | 0.626 | 5/16 |
| 15/16 | **UCFCX05-015D1** | | | | | | | | | | | | | |
| 1 | **UCFCX05-100D1** | | | | | | | | | | | | | |
| 30 | **UCFCX06D1** | 127 | 105 | 74.2 | 8 | 12 | 9.5 | 22.5 | 32 | 85 | 42.9 | 42.9 | 17.5 | M10 |
| 1 1/16 | **UCFCX06-101D1** | | | | | | | | | | | | | |
| 1 1/8 | **UCFCX06-102D1** | | | | | | | | | | | | | |
| 1 3/16 | **UCFCX06-103D1** | 5 | 4 9/64 | 2 59/64 | 5/16 | 15/32 | 3/8 | 7/8 | 1 27/64 | 3.3465 | 1 11/16 | 1.6890 | 0.689 | 3/8 |
| 1 1/4 | **UCFCX06-104D1** | | | | | | | | | | | | | |
| 35 | **UCFCX07D1** | 133 | 111 | 78.5 | 9 | 12 | 11 | 26 | 37 | 92 | 50.2 | 49.2 | 19 | M10 |
| 1 5/16 | **UCFCX07-105D1** | | | | | | | | | | | | | |
| 1 3/8 | **UCFCX07-106D1** | 5 1/4 | 4 3/8 | 3 3/32 | 23/64 | 15/32 | 7/16 | 1 1/32 | 1 29/64 | 3.6220 | 1 31/32 | 1.9370 | 0.748 | 3/8 |
| 1 7/16 | **UCFCX07-107D1** | | | | | | | | | | | | | |
| 40 | **UCFCX08D1** | 133 | 111 | 78.5 | 9 | 12 | 11 | 26 | 37 | 92 | 50.2 | 49.2 | 19 | M10 |
| 1 1/2 | **UCFCX08-108D1** | 5 1/4 | 4 3/8 | 3 3/32 | 23/64 | 15/32 | 7/16 | 1 1/32 | 1 29/64 | 3.6220 | 1 31/32 | 1.9370 | 0.748 | 3/8 |
| 1 9/16 | **UCFCX08-109D1** | | | | | | | | | | | | | |
| 45 | **UCFCX09D1** | 155 | 130 | 91.9 | 8 | 14 | 12 | 25 | 37 | 108 | 52.6 | 51.6 | 19 | M12 |
| 1 5/8 | **UCFCX09-110D1** | | | | | | | | | | | | | |
| 1 11/16 | **UCFCX09-111D1** | 6 3/32 | 5 1/8 | 3 5/8 | 5/16 | 35/64 | 15/32 | 31/32 | 1 29/64 | 4.2520 | 2 5/64 | 2.0315 | 0.748 | 7/16 |
| 1 3/4 | **UCFCX09-112D1** | | | | | | | | | | | | | |
| 1 13/16 | **UCFCX09-113D1** | | | | | | | | | | | | | |
| 50 | **UCFCX10D1** | 162 | 136 | 96.2 | 7 | 14 | 16 | 25 | 41 | 118 | 56.4 | 55.6 | 22.2 | M12 |
| 1 7/8 | **UCFCX10-114D1** | | | | | | | | | | | | | |
| 1 15/16 | **UCFCX10-115D1** | 6 3/8 | 5 23/64 | 3 25/32 | 9/32 | 35/64 | 5/8 | 31/32 | 1 39/64 | 4.6457 | 2 7/32 | 2.1890 | 0.874 | 7/16 |
| 2 | **UCFCX10-200D1** | | | | | | | | | | | | | |

| Bearing number | Housing (1) number | Mass of unit kg / lb |
|---|---|---|
| UCX05D1 | FCX05D1 | 1.2 |
| UCX05-013D1 | FCX05D1 | |
| UCX05-014D1 | FCX05D1 | 2.6 |
| UCX05-015D1 | FCX05D1 | |
| UCX05-100D1 | FCX05D1 | |
| UCX06D1 | FCX06D1 | 1.7 |
| UCX06-101D1 | FCX06D1 | |
| UCX06-102D1 | FCX06D1 | |
| UCX06-103D1 | FCX06D1 | 3.7 |
| UC207-104D1 | FCX06D1 | |
| UCX07D1 | FCX07D1 | 1.9 |
| UCX07-105D1 | FCX07D1 | |
| UCX07-106D1 | FCX07D1 | 4.2 |
| UCX07-107D1 | FCX07D1 | |
| UCX08D1 | FCX08D1 | 2.0 |
| UCX08-108D1 | FCX08D1 | 4.4 |
| UCX08-109D1 | FCX08D1 | |
| UCX09D1 | FCX09D1 | 2.6 |
| UCX09-110D1 | FCX09D1 | |
| UCX09-111D1 | FCX09D1 | 5.7 |
| UCX09-112D1 | FCX09D1 | |
| UC210-113D1 | FCX09D1 | |
| UCX10D1 | FCX10D1 | 3.1 |
| UCX10-114D1 | FCX10D1 | |
| UCX10-115D1 | FCX10D1 | 6.8 |
| UC211-200D1 | FCX10D1 | |

**Note** (1) These numbers indicate relubricatable type. If maintenance free type is needed, please order without suffix "D1".
**Remarks** Please refer to page **A21** for size of grease fitting.

## Round flanged unit, cast housing with spigot joint
## Set screw type

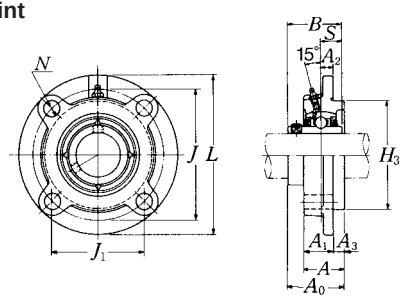



| Shaft dia. mm / inch | Unit number (1) | Nominal dimensions mm / inch | | | | | | | | | | | | Bolt size mm / inch |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | $L$ | $J$ | $(J_1)$ | $A_2$ | $N$ | $A_3$ | $A_1$ | $A$ | $H_3$ | $A_0$ | $B$ | $S$ | |
| 55 | **UCFCX11D1** | 180 | 152 | 107.5 | 4 | 16 | 22 | 26 | 48 | 127 | 65.7 | 65.1 | 25.4 | M14 |
| 2 1/16 | **UCFCX11-201D1** | | | | | | | | | | | | | |
| 2 1/8 | **UCFCX11-202D1** | | | | | | | | | | | | | |
| 2 3/16 | **UCFCX11-203D1** | 7 3/32 | 5 63/64 | 4 15/64 | 5/32 | 5/8 | 55/64 | 1 1/32 | 1 57/64 | 5.0000 | 2 19/32 | 2.5630 | 1.000 | 1/2 |
| 2 1/4 | **UCFCX11-204D1** | | | | | | | | | | | | | |
| 2 5/16 | **UCFCX11-205D1** | | | | | | | | | | | | | |
| 60 | **UCFCX12D1** | 194 | 165 | 116.7 | 11 | 16 | 20 | 33 | 53 | 140 | 70.7 | 65.1 | 25.4 | M14 |
| 2 3/8 | **UCFCX12-206D1** | 7 5/8 | 6 1/2 | 4 19/32 | 7/16 | 5/8 | 25/32 | 1 5/16 | 2 5/64 | 5.5118 | 2 25/32 | 2.5630 | 1.000 | 1/2 |
| 2 7/16 | **UCFCX12-207D1** | | | | | | | | | | | | | |
| 65 | **UCFCX13D1** | 194 | 165 | 116.7 | 11 | 16 | 20 | 33 | 53 | 140 | 75.4 | 74.6 | 30.2 | M14 |
| 2 1/2 | **UCFCX13-208D1** | 7 5/8 | 6 1/2 | 4 19/32 | 7/16 | 5/8 | 25/32 | 1 5/16 | 2 5/64 | 5.5118 | 2 31/32 | 2.9370 | 1.189 | 1/2 |
| 2 9/16 | **UCFCX13-209D1** | | | | | | | | | | | | | |
| 70 | **UCFCX14D1** | 222 | 190 | 134.4 | 14 | 19 | 20 | 36 | 56 | 164 | 78.5 | 77.8 | 33.3 | M16 |
| 2 5/8 | **UCFCX14-210D1** | | | | | | | | | | | | | |
| 2 11/16 | **UCFCX14-211D1** | 8 3/4 | 7 31/64 | 5 9/32 | 35/64 | 3/4 | 25/32 | 1 13/32 | 2 13/64 | 6.4567 | 3 3/32 | 3.0630 | 1.311 | 5/8 |
| 2 3/4 | **UCFCX14-212D1** | | | | | | | | | | | | | |
| 75 | **UCFCX15D1** | 222 | 190 | 134.4 | 12 | 19 | 22 | 35 | 57 | 164 | 83.3 | 82.6 | 33.3 | M16 |
| 2 13/16 | **UCFCX15-213D1** | | | | | | | | | | | | | |
| 2 7/8 | **UCFCX15-214D1** | 8 3/4 | 7 31/64 | 5 9/32 | 15/32 | 3/4 | 55/64 | 1 3/8 | 2 1/4 | 6.4567 | 3 9/32 | 3.2520 | 1.311 | 5/8 |
| 2 15/16 | **UCFCX15-215D1** | | | | | | | | | | | | | |
| 3 | **UCFCX15-300D1** | | | | | | | | | | | | | |
| 80 | **UCFCX16D1** | 260 | 219 | 154.9 | 10 | 23 | 25 | 36 | 61 | 186 | 86.6 | 85.7 | 34.1 | M20 |
| 3 1/16 | **UCFCX16-301D1** | | | | | | | | | | | | | |
| 3 1/8 | **UCFCX16-302D1** | 10 1/4 | 8 5/8 | 6 3/32 | 25/64 | 29/32 | 63/64 | 1 13/32 | 2 13/32 | 7.3228 | 3 13/32 | 3.3740 | 1.343 | 3/4 |
| 3 3/16 | **UCFCX16-303D1** | | | | | | | | | | | | | |
| 3 1/4 | **UCFCX16-304D1** | | | | | | | | | | | | | |
| 85 | **UCFCX17D1** | 260 | 219 | 154.9 | 10 | 23 | 25 | 36 | 61 | 186 | 91.3 | 96 | 39.7 | M20 |
| 3 5/16 | **UCFCX17-305D1** | 10 1/4 | 8 5/8 | 6 3/32 | 25/64 | 29/32 | 63/64 | 1 13/32 | 2 13/32 | 7.3228 | 3 19/32 | 3.7795 | 1.563 | 3/4 |
| 3 7/16 | **UCFCX17-307D1** | | | | | | | | | | | | | |

**Note** (1) These numbers indicate relubricatable type. If maintenance free type is needed, please order without suffix "D1".
**Remarks** Please refer to page **A21** for size of grease fitting.

| Bearing number | Housing (1) number | Mass of unit kg / lb |
|---|---|---|
| UCX11D1 | FCX11D1 | 4.2 |
| UCX11-201D1 | FCX11D1 | |
| UCX11-202D1 | FCX11D1 | |
| UCX11-203D1 | FCX11D1 | 9.3 |
| UC212-204D1 | FCX11D1 | |
| UC212-205D1 | FCX11D1 | |
| UCX12D1 | FCX12D1 | 5.5 |
| UCX12-206D1 | FCX12D1 | |
| UCX12-207D1 | FCX12D1 | 12 |
| UCX13D1 | FCX13D1 | 5.7 |
| UCX13-208D1 | FCX13D1 | |
| UCX13-209D1 | FCX13D1 | 13 |
| UCX14D1 | FCX14D1 | 7.3 |
| UCX14-210D1 | FCX14D1 | |
| UCX14-211D1 | FCX14D1 | 16 |
| UCX14-212D1 | FCX14D1 | |
| UCX15D1 | FCX15D1 | 8.0 |
| UCX15-213D1 | FCX15D1 | |
| UCX15-214D1 | FCX15D1 | |
| UCX15-215D1 | FCX15D1 | 18 |
| UCX15-300D1 | FCX15D1 | |
| UCX16D1 | FCX16D1 | 12 |
| UCX16-301D1 | FCX16D1 | |
| UCX16-302D1 | FCX16D1 | |
| UCX16-303D1 | FCX16D1 | 26 |
| UC217-304D1 | FCX16D1 | |
| UCX17D1 | FCX17D1 | 12 |
| UCX17-305D1 | FCX17D1 | |
| UCX17-307D1 | FCX17D1 | 26 |

## Round flanged unit, cast housing with spigot joint
## Set screw type

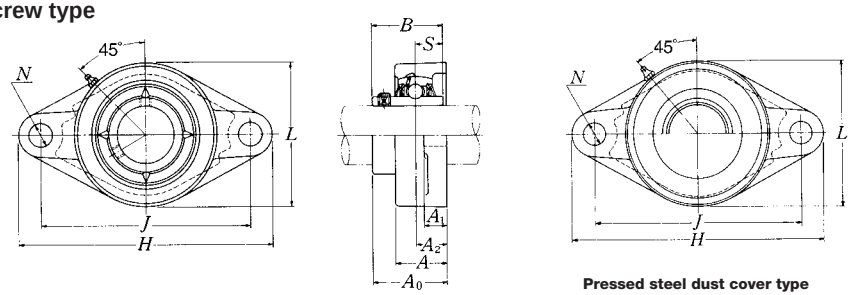



| Shaft dia. mm / inch | Unit number (1) | Nominal dimensions mm / inch | | | | | | | | | | | | Bolt size mm / inch |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | $L$ | $J$ | $(J_1)$ | $A_2$ | $N$ | $A_3$ | $A_1$ | $A$ | $H_3$ | $A_0$ | $B$ | $S$ | |
| 90 | **UCFCX18D1** | 260 | 219 | 154.9 | 12 | 23 | 28 | 43 | 71 | 186 | 101.1 | 104 | 42.9 | M20 |
| $3\frac{7}{16}$ | **UCFCX18-307D1** | $10\frac{1}{4}$ | $8\frac{5}{8}$ | $6\frac{3}{32}$ | $\frac{15}{32}$ | $\frac{29}{32}$ | $1\frac{7}{64}$ | $1\frac{11}{16}$ | $2\frac{51}{64}$ | 7.3228 | $3\frac{63}{64}$ | 4.0945 | 1.689 | $\frac{3}{4}$ |
| $3\frac{1}{2}$ | **UCFCX18-308D1** | | | | | | | | | | | | | |
| 100 | **UCFCX20D1** | 276 | 238 | 168.3 | 22 | 23 | 28 | 66 | 94 | 206 | 118.3 | 117.5 | 49.2 | M20 |
| $3\frac{13}{16}$ | **UCFCX20-313D1** | | | | | | | | | | | | | |
| $3\frac{7}{8}$ | **UCFCX20-314D1** | $10\frac{7}{8}$ | $9\frac{3}{8}$ | $6\frac{5}{8}$ | $\frac{55}{64}$ | $\frac{29}{32}$ | $1\frac{7}{64}$ | $2\frac{19}{32}$ | $3\frac{45}{64}$ | 8.1102 | $4\frac{21}{32}$ | 4.6260 | 1.937 | $\frac{3}{4}$ |
| $3\frac{15}{16}$ | **UCFCX20-315D1** | | | | | | | | | | | | | |
| 4 | **UCFCX20-400D1** | | | | | | | | | | | | | |

**Note** (1) These numbers indicate relubricatable type. If maintenance free type is needed, please order without suffix "D1".
**Remarks** Please refer to page **A21** for size of grease fitting.

| Bearing number | Housing (1) number | Mass of unit kg / lb |
|---|---|---|
| UCX18D1 | FCX18D1 | 12 |
| UCX18-307D1 | FCX18D1 | 26 |
| UCX18-308D1 | FCX18D1 | |
| UCX20D1 | FCX20D1 | 18 |
| UCX20-313D1 | FCX20D1 | 40 |
| UCX20-314D1 | FCX20D1 | |
| UCX20-315D1 | FCX20D1 | |
| UCX20-400D1 | FCX20D1 | |

## Rhombus flanged unit, cast housing
## Set screw type





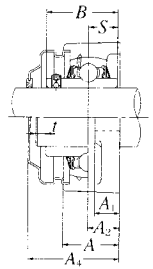


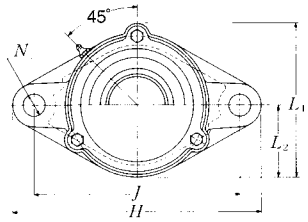
**Pressed steel dust cover type**
Open end **Z-UCFL···D1**
Closed end **ZM-UCFL···D1**

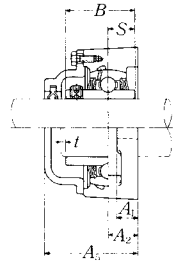
| Shaft dia. mm / inch | Unit number (1) | Nominal dimensions mm / inch: H | J | $A_2$ | $A_1$ | A | N | L | $A_0$ | B | S | Bolt size mm / inch | Bearing number |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 12 | UCFL201D1 | 113 | 90 | 15 | 11 | 25.5 | 12 | 60 | 33.3 | 31 | 12.7 | M10 | UC201D1 |
| 1/2 | UCFL201-008D1 | 4 7/16 | 3 35/64 | 19/32 | 7/16 | 1 | 15/32 | 2 3/8 | 1 5/16 | 1.2205 | 0.500 | 3/8 | UC201-008D1 |
| 15 | UCFL202D1 | 113 | 90 | 15 | 11 | 25.5 | 12 | 60 | 33.3 | 31 | 12.7 | M10 | UC202D1 |
| 9/16 | UCFL202-009D1 | 4 7/16 | 3 35/64 | 19/32 | 7/16 | 1 | 15/32 | 2 3/8 | 1 5/16 | 1.2205 | 0.500 | 3/8 | UC202-009D1 |
| 5/8 | UCFL202-010D1 | | | | | | | | | | | | UC202-010D1 |
| 17 | UCFL203D1 | 113 | 90 | 15 | 11 | 25.5 | 12 | 60 | 33.3 | 31 | 12.7 | M10 | UC203D1 |
| 11/16 | UCFL203-011D1 | 4 7/16 | 3 35/64 | 19/32 | 7/16 | 1 | 15/32 | 2 3/8 | 1 5/16 | 1.2205 | 0.500 | 3/8 | UC203-011D1 |
| 20 | UCFL204D1 | 113 | 90 | 15 | 11 | 25.5 | 12 | 60 | 33.3 | 31 | 12.7 | M10 | UC204D1 |
| 3/4 | UCFL204-012D1 | 4 7/16 | 3 35/64 | 19/32 | 7/16 | 1 | 15/32 | 2 3/8 | 1 5/16 | 1.2205 | 0.500 | 3/8 | UC204-012D1 |
| 25 | UCFL205D1 | 130 | 99 | 16 | 13 | 27 | 16 | 68 | 35.8 | 34.1 | 14.3 | M14 | UC205D1 |
| 13/16 | UCFL205-013D1 | | | | | | | | | | | | UC205-013D1 |
| 7/8 | UCFL205-014D1 | | | | | | | | | | | | UC205-014D1 |
| 15/16 | UCFL205-015D1 | 5 1/8 | 3 57/64 | 5/8 | 1/2 | 1 1/16 | 5/8 | 2 11/16 | 1 13/32 | 1.3425 | 0.563 | 1/2 | UC205-015D1 |
| 1 | UCFL205-100D1 | | | | | | | | | | | | UC205-100D1 |
| 30 | UCFL206D1 | 148 | 117 | 18 | 13 | 31 | 16 | 80 | 40.2 | 38.1 | 15.9 | M14 | UC206D1 |
| 1 1/16 | UCFL206-101D1 | | | | | | | | | | | | UC206-101D1 |
| 1 1/8 | UCFL206-102D1 | | | | | | | | | | | | UC206-102D1 |
| 1 3/16 | UCFL206-103D1 | 5 13/16 | 4 39/64 | 45/64 | 1/2 | 1 7/32 | 5/8 | 3 5/32 | 1 37/64 | 1.5000 | 0.626 | 1/2 | UC206-103D1 |
| 1 1/4 | UCFL206-104D1 | | | | | | | | | | | | UC206-104D1 |
| 35 | UCFL207D1 | 161 | 130 | 19 | 15 | 34 | 16 | 90 | 44.4 | 42.9 | 17.5 | M14 | UC207D1 |
| 1 1/4 | UCFL207-104D1 | | | | | | | | | | | | UC207-104D1 |
| 1 5/16 | UCFL207-105D1 | | | | | | | | | | | | UC207-105D1 |
| 1 3/8 | UCFL207-106D1 | 6 11/32 | 5 1/8 | 3/4 | 19/32 | 1 11/32 | 5/8 | 3 17/32 | 1 3/4 | 1.6890 | 0.689 | 1/2 | UC207-106D1 |
| 1 7/16 | UCFL207-107D1 | | | | | | | | | | | | UC207-107D1 |
| 40 | UCFL208D1 | 175 | 144 | 21 | 15 | 36 | 16 | 100 | 51.2 | 49.2 | 19 | M14 | UC208D1 |
| 1 1/2 | UCFL208-108D1 | | | | | | | | | | | | UC208-108D1 |
| 1 9/16 | UCFL208-109D1 | 6 7/8 | 5 43/64 | 53/64 | 19/32 | 1 13/32 | 5/8 | 3 15/16 | 2 1/64 | 1.9370 | 0.748 | 1/2 | UC208-109D1 |

**Note** (1) These numbers indicate relubricatable type. If maintenance free type is needed, please order without suffix "D1".
**Remarks** Please refer to page **A21** for size of grease fitting.





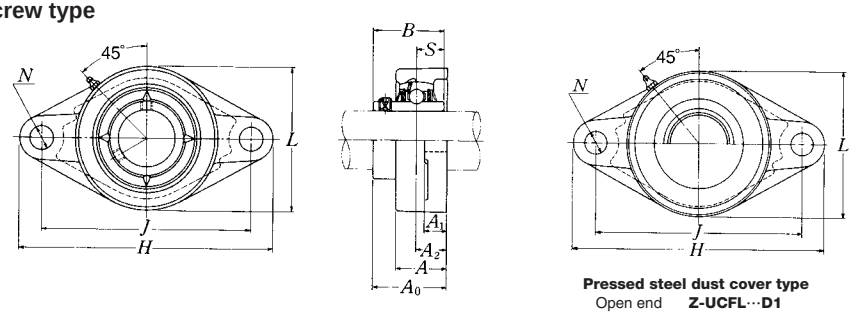




**Cast dust cover type**
Open end **C-UCFL···D1**
Closed end **CM-UCFL···D1**

| Housing number | Unit number (1) pressed steel dust cover type | Unit number (1) cast dust cover type | Nominal dimensions mm / inch: t max. | $A_4$ | $A_5$ | $L_1$ | $L_2$ | Mass of unit kg / lb: UCFL | Z(ZM) | C(CM) |
|---|---|---|---|---|---|---|---|---|---|---|
| FL204D1 | Z(ZM)-UCFL201D1 | C(CM)-UCFL201D1 | 2 | 38 | 46 | 67 | 30 | 0.5 | 0.5 | 0.6 |
| FL204D1 | Z(ZM)-UCFL201-008D1 | C(CM)-UCFL201-008D1 | 5/64 | 1 1/2 | 1 13/16 | 2 5/8 | 1 3/16 | 1.1 | 1.1 | 1.3 |
| FL204D1 | Z(ZM)-UCFL202D1 | C(CM)-UCFL202D1 | 2 | 38 | 46 | 67 | 30 | 0.5 | 0.5 | 0.6 |
| FL204D1 | Z(ZM)-UCFL202-009D1 | C(CM)-UCFL202-009D1 | | | | | | | | |
| FL204D1 | Z(ZM)-UCFL202-010D1 | C(CM)-UCFL202-010D1 | 5/64 | 1 1/2 | 1 13/16 | 2 5/8 | 1 3/16 | 1.1 | 1.1 | 1.3 |
| FL204D1 | Z(ZM)-UCFL203D1 | C(CM)-UCFL203D1 | 2 | 38 | 46 | 67 | 30 | 0.5 | 0.5 | 0.6 |
| FL204D1 | Z(ZM)-UCFL203-011D1 | C(CM)-UCFL203-011D1 | 5/64 | 1 1/2 | 1 13/16 | 2 5/8 | 1 3/16 | 1.1 | 1.1 | 1.3 |
| FL204D1 | Z(ZM)-UCFL204D1 | C(CM)-UCFL204D1 | 2 | 38 | 46 | 67 | 30 | 0.4 | 0.4 | 0.6 |
| FL204D1 | Z(ZM)-UCFL204-012D1 | C(CM)-UCFL204-012D1 | 5/64 | 1 1/2 | 1 13/16 | 2 5/8 | 1 3/16 | 0.9 | 0.9 | 1.3 |
| FL205D1 | Z(ZM)-UCFL205D1 | C(CM)-UCFL205D1 | 2 | 40 | 51 | 74 | 34 | 0.6 | 0.6 | 0.8 |
| FL205D1 | Z(ZM)-UCFL205-013D1 | C(CM)-UCFL205-013D1 | | | | | | | | |
| FL205D1 | Z(ZM)-UCFL205-014D1 | C(CM)-UCFL205-014D1 | | | | | | | | |
| FL205D1 | Z(ZM)-UCFL205-015D1 | C(CM)-UCFL205-015D1 | 5/64 | 1 19/32 | 2 | 2 29/32 | 1 11/32 | 1.3 | 1.3 | 1.8 |
| FL205D1 | Z(ZM)-UCFL205-100D1 | C(CM)-UCFL205-100D1 | | | | | | | | |
| FL206D1 | Z(ZM)-UCFL206D1 | C(CM)-UCFL206D1 | 2 | 45 | 56 | 85 | 40 | 0.9 | 0.9 | 1.2 |
| FL206D1 | Z(ZM)-UCFL206-101D1 | C(CM)-UCFL206-101D1 | | | | | | | | |
| FL206D1 | Z(ZM)-UCFL206-102D1 | C(CM)-UCFL206-102D1 | | | | | | | | |
| FL206D1 | Z(ZM)-UCFL206-103D1 | C(CM)-UCFL206-103D1 | 5/64 | 1 3/4 | 2 7/32 | 3 11/32 | 1 9/16 | 2.0 | 2.0 | 2.6 |
| FL206D1 | — | C(CM)-UCFL206-104D1 | | | | | | | | |
| FL207D1 | Z(ZM)-UCFL207D1 | C(CM)-UCFL207D1 | 3 | 49 | 59 | 97 | 45 | 1.2 | 1.2 | 1.4 |
| FL207D1 | Z(ZM)-UCFL207-104D1 | C(CM)-UCFL207-104D1 | | | | | | | | |
| FL207D1 | Z(ZM)-UCFL207-105D1 | C(CM)-UCFL207-105D1 | | | | | | | | |
| FL207D1 | Z(ZM)-UCFL207-106D1 | C(CM)-UCFL207-106D1 | 1/8 | 1 15/16 | 2 5/16 | 3 13/16 | 1 25/32 | 2.6 | 2.6 | 3.1 |
| FL207D1 | — | C(CM)-UCFL207-107D1 | | | | | | | | |
| FL208D1 | Z(ZM)-UCFL208D1 | C(CM)-UCFL208D1 | 3 | 56 | 66 | 106 | 50 | 1.5 | 1.5 | 1.9 |
| FL208D1 | Z(ZM)-UCFL208-108D1 | C(CM)-UCFL208-108D1 | | | | | | | | |
| FL208D1 | Z(ZM)-UCFL208-109D1 | C(CM)-UCFL208-109D1 | 1/8 | 2 3/16 | 2 19/32 | 4 3/16 | 1 31/32 | 3.3 | 3.3 | 4.2 |

## Rhombus flanged unit, cast housing
## Set screw type





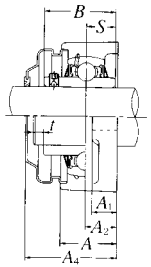


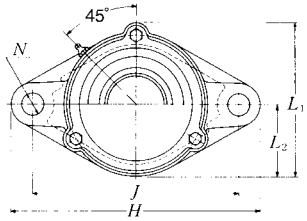
**Pressed steel dust cover type**
Open end **Z-UCFL···D1**
Closed end **ZM-UCFL···D1**

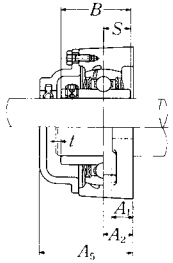
| Shaft dia. mm / inch | Unit number (1) | Nominal dimensions mm / inch | | | | | | | | | | Bolt size mm / inch | Bearing number |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | *H* | *J* | $A_2$ | $A_1$ | *A* | *N* | *L* | $A_0$ | *B* | *S* | | |
| 45 | UCFL209D1 | 188 | 148 | 22 | 16 | 38 | 19 | 108 | 52.2 | 49.2 | 19 | M16 | UC209D1 |
| 1 5/8 | UCFL209-110D1 | | | | | | | | | | | | UC209-110D1 |
| 1 11/16 | UCFL209-111D1 | 7 13/32 | 5 53/64 | 55/64 | 5/8 | 1 1/2 | 3/4 | 4 1/4 | 2 1/16 | 1.9370 | 0.748 | 5/8 | UC209-111D1 |
| 1 3/4 | UCFL209-112D1 | | | | | | | | | | | | UC209-112D1 |
| 50 | UCFL210D1 | 197 | 157 | 22 | 16 | 40 | 19 | 115 | 54.6 | 51.6 | 19 | M16 | UC210D1 |
| 1 13/16 | UCFL210-113D1 | | | | | | | | | | | | UC210-113D1 |
| 1 7/8 | UCFL210-114D1 | 7 3/4 | 6 3/16 | 55/64 | 5/8 | 1 9/16 | 3/4 | 4 17/32 | 2 5/32 | 2.0315 | 0.748 | 5/8 | UC210-114D1 |
| 1 15/16 | UCFL210-115D1 | | | | | | | | | | | | UC210-115D1 |
| 2 | UCFL210-200D1 | | | | | | | | | | | | UC210-200D1 |
| 55 | UCFL211D1 | 224 | 184 | 25 | 18 | 43 | 19 | 130 | 58.4 | 55.6 | 22.2 | M16 | UC211D1 |
| 2 | UCFL211-200D1 | | | | | | | | | | | | UC211-200D1 |
| 2 1/16 | UCFL211-201D1 | 8 13/16 | 7 1/4 | 63/64 | 23/32 | 1 11/16 | 3/4 | 5 1/8 | 2 19/64 | 2.1890 | 0.874 | 5/8 | UC211-201D1 |
| 2 1/8 | UCFL211-202D1 | | | | | | | | | | | | UC211-202D1 |
| 2 13/16 | UCFL211-203D1 | | | | | | | | | | | | UC211-203D1 |
| 60 | UCFL212D1 | 250 | 202 | 29 | 18 | 48 | 23 | 140 | 68.7 | 65.1 | 25.4 | M20 | UC212D1 |
| 2 1/4 | UCFL212-204D1 | | | | | | | | | | | | UC212-204D1 |
| 2 5/16 | UCFL212-205D1 | 9 27/32 | 7 61/64 | 1 9/64 | 23/32 | 1 7/8 | 29/32 | 5 1/2 | 2 45/64 | 2.5630 | 1.000 | 3/4 | UC212-205D1 |
| 2 3/8 | UCFL212-206D1 | | | | | | | | | | | | UC212-206D1 |
| 2 7/16 | UCFL212-207D1 | | | | | | | | | | | | UC212-207D1 |
| 65 | UCFL213D1 | 258 | 210 | 30 | 22 | 50 | 23 | 155 | 69.7 | 65.1 | 25.4 | M20 | UC213D1 |
| 2 1/2 | UCFL213-208D1 | 10 5/32 | 8 17/64 | 1 3/16 | 7/8 | 1 31/32 | 29/32 | 6 3/32 | 2 3/4 | 2.5630 | 1.000 | 3/4 | UC213-208D1 |
| 2 9/16 | UCFL213-209D1 | | | | | | | | | | | | UC213-209D1 |
| 70 | UCFL214D1 | 265 | 216 | 31 | 22 | 54 | 23 | 160 | 75.4 | 74.6 | 30.2 | M20 | UC214D1 |
| 2 5/8 | UCFL214-210D1 | | | | | | | | | | | | UC214-210D1 |
| 2 11/16 | UCFL214-211D1 | 10 7/16 | 8 1/2 | 1 7/32 | 7/8 | 2 1/8 | 29/32 | 6 5/16 | 2 31/32 | 2.9370 | 1.189 | 3/4 | UC214-211D1 |
| 2 3/4 | UCFL214-212D1 | | | | | | | | | | | | UC214-212D1 |

**Note** (1) These numbers indicate relubricatable type. If maintenance free type is needed, please order without suffix "D1".
**Remarks** Please refer to page **A21** for size of grease fitting.





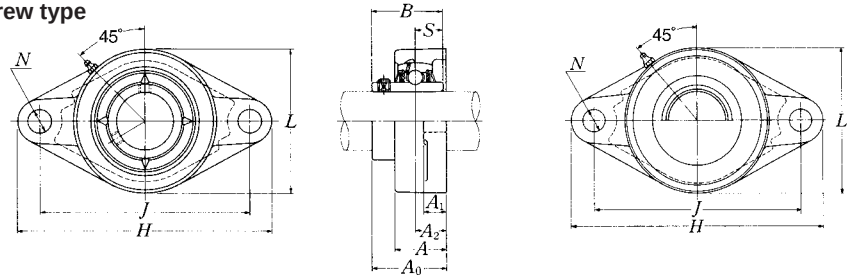




**Cast dust cover type**
Open end **C-UCFL···D1**
Closed end **CM-UCFL···D1**

| Housing number | Unit number (1) pressed steel dust cover type | Unit number (1) cast dust cover type | Nominal dimensions mm / inch | | | | | Mass of unit kg / lb | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | *t* max. | $A_4$ | $A_5$ | $L_1$ | $L_2$ | UCFL | Z(ZM) | C(CM) |
| FL209D1 | Z(ZM)-UCFL209D1 | C(CM)-UCFL209D1 | 3 | 57 | 70 | 113 | 54 | 1.8 | 1.9 | 2.3 |
| FL209D1 | Z(ZM)-UCFL209-110D1 | C(CM)-UCFL209-110D1 | | | | | | | | |
| FL209D1 | Z(ZM)-UCFL209-111D1 | C(CM)-UCFL209-111D1 | 1/8 | 2 1/4 | 2 3/4 | 4 7/16 | 2 1/8 | 4.0 | 4.2 | 5.1 |
| FL209D1 | Z(ZM)-UCFL209-112D1 | C(CM)-UCFL209-112D1 | | | | | | | | |
| FL210D1 | Z(ZM)-UCFL210D1 | C(CM)-UCFL210D1 | 3 | 60 | 72 | 120 | 58 | 2.0 | 2.1 | 2.7 |
| FL210D1 | Z(ZM)-UCFL210-113D1 | C(CM)-UCFL210-113D1 | | | | | | | | |
| FL210D1 | Z(ZM)-UCFL210-114D1 | C(CM)-UCFL210-114D1 | 1/8 | 2 3/8 | 2 27/32 | 4 23/32 | 2 9/32 | 4.4 | 4.6 | 6.0 |
| FL210D1 | Z(ZM)-UCFL210-115D1 | C(CM)-UCFL210-115D1 | | | | | | | | |
| FL210D1 | — | C(CM)-UCFL210-200D1 | | | | | | | | |
| FL211D1 | Z(ZM)-UCFL211D1 | C(CM)-UCFL211D1 | 4 | 64 | 75 | 133 | 65 | 2.9 | 3.0 | 3.4 |
| FL211D1 | Z(ZM)-UCFL211-200D1 | C(CM)-UCFL211-200D1 | | | | | | | | |
| FL211D1 | Z(ZM)-UCFL211-201D1 | C(CM)-UCFL211-201D1 | | | | | | | | |
| FL211D1 | Z(ZM)-UCFL211-202D1 | C(CM)-UCFL211-202D1 | 5/32 | 2 1/2 | 2 15/16 | 5 1/4 | 2 9/16 | 6.4 | 6.6 | 7.5 |
| FL211D1 | Z(ZM)-UCFL211-203D1 | C(CM)-UCFL211-203D1 | | | | | | | | |
| FL212D1 | Z(ZM)-UCFL212D1 | C(CM)-UCFL212D1 | 4 | 74 | 86 | 144 | 70 | 3.8 | 4.0 | 4.6 |
| FL212D1 | Z(ZM)-UCFL212-204D1 | C(CM)-UCFL212-204D1 | | | | | | | | |
| FL212D1 | Z(ZM)-UCFL212-205D1 | C(CM)-UCFL212-205D1 | | | | | | | | |
| FL212D1 | Z(ZM)-UCFL212-206D1 | C(CM)-UCFL212-206D1 | 5/32 | 2 29/32 | 3 3/8 | 5 21/32 | 2 3/4 | 8.4 | 8.8 | 10 |
| FL212D1 | — | C(CM)-UCFL212-207D1 | | | | | | | | |
| FL213D1 | Z(ZM)-UCFL213D1 | C(CM)-UCFL213D1 | 4 | 76 | 90 | 157 | 78 | 4.8 | 4.9 | 5.8 |
| FL213D1 | Z(ZM)-UCFL213-208D1 | C(CM)-UCFL213-208D1 | | | | | | | | |
| FL213D1 | Z(ZM)-UCFL213-209D1 | C(CM)-UCFL213-209D1 | 5/32 | 3 | 3 17/32 | 6 3/16 | 3 1/16 | 11 | 11 | 13 |
| FL214D1 | — | C(CM)-UCFL214D1 | 4 | — | 98 | 164 | 80 | 5.4 | — | 7.7 |
| FL214D1 | | C(CM)-UCFL214-210D1 | | | | | | | | |
| FL214D1 | — | C(CM)-UCFL214-211D1 | 5/32 | — | 3 27/32 | 6 15/32 | 3 5/32 | 12 | — | 17 |
| FL214D1 | | C(CM)-UCFL214-212D1 | | | | | | | | |

## Rhombus flanged unit, cast housing
## Set screw type

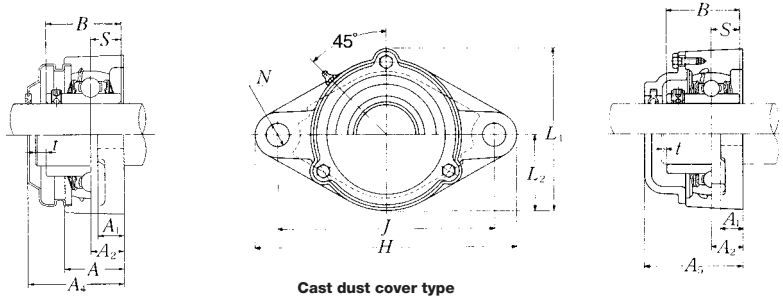



**Pressed steel dust cover type**
Open end **Z-UCFL···D1**
Closed end **ZM-UCFL···D1**

| Shaft dia. mm / inch | Unit number (1) | Nominal dimensions mm / inch H | J | $A_2$ | $A_1$ | A | N | L | $A_0$ | B | S | Bolt size mm / inch | Bearing number |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 75 | UCFL215D1 | 275 | 225 | 34 | 22 | 56 | 23 | 165 | 78.5 | 77.8 | 33.3 | M20 | UC215D1 |
| 2 13/16 | UCFL215-213D1 | | | | | | | | | | | | UC215-213D1 |
| 2 7/8 | UCFL215-214D1 | | | | | | | | | | | | UC215-214D1 |
| 2 15/16 | UCFL215-215D1 | 10 13/16 | 8 55/64 | 1 11/32 | 7/8 | 2 7/32 | 29/32 | 6 1/2 | 3 3/32 | 3.0630 | 1.311 | 3/4 | UC215-215D1 |
| 3 | UCFL215-300D1 | | | | | | | | | | | | UC215-300D1 |
| 80 | UCFL216D1 | 290 | 233 | 34 | 22 | 58 | 25 | 180 | 83.3 | 82.6 | 33.3 | M22 | UC216D1 |
| 3 1/16 | UCFL216-301D1 | | | | | | | | | | | | UC216-301D1 |
| 3 1/8 | UCFL216-302D1 | 11 13/32 | 9 11/64 | 1 11/32 | 7/8 | 2 9/32 | 63/64 | 7 3/32 | 3 9/32 | 3.2520 | 1.311 | 7/8 | UC216-302D1 |
| 3 3/16 | UCFL216-303D1 | | | | | | | | | | | | UC216-303D1 |
| 85 | UCFL217D1 | 305 | 248 | 36 | 24 | 63 | 25 | 190 | 87.6 | 85.7 | 34.1 | M22 | UC217D1 |
| 3 1/4 | UCFL217-304D1 | | | | | | | | | | | | UC217-304D1 |
| 3 5/16 | UCFL217-305D1 | 12 | 9 49/64 | 1 27/64 | 15/16 | 2 15/32 | 63/64 | 7 15/32 | 3 29/64 | 3.3740 | 1.343 | 7/8 | UC217-305D1 |
| 3 7/16 | UCFL217-307D1 | | | | | | | | | | | | UC217-307D1 |
| 90 | UCFL218D1 | 320 | 265 | 40 | 24 | 68 | 25 | 205 | 96.3 | 96 | 39.7 | M22 | UC218D1 |
| 3 1/2 | UCFL218-308D1 | 12 19/32 | 10 7/16 | 1 37/64 | 15/16 | 2 11/16 | 63/64 | 8 1/16 | 3 51/64 | 3.7795 | 1.563 | 7/8 | UC218-308D1 |

**Note** (1) These numbers indicate relubricatable type. If maintenance free type is needed, please order without suffix "D1".
**Remarks** Please refer to page **A21** for size of grease fitting.

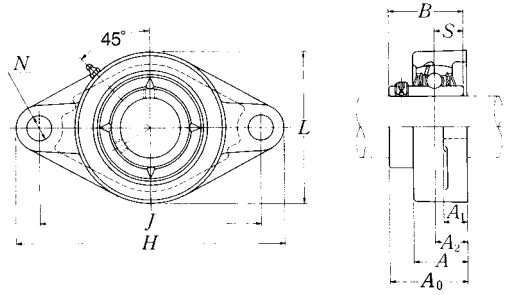


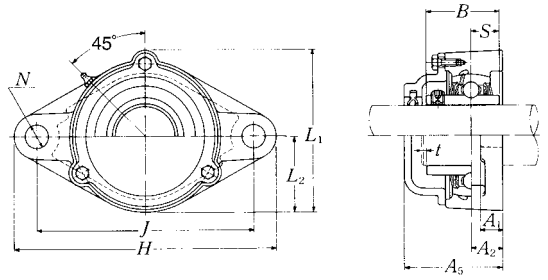



**Cast dust cover type**
Open end **C-UCFL···D1**
Closed end **CM-UCFL···D1**

| Housing number | Unit number pressed steel dust cover type | Unit number (1) cast dust cover type | Nominal dimensions mm / inch t max. | $A_4$ | $A_5$ | $L_1$ | $L_2$ | Mass of unit kg / lb UCFL | Z(ZM) | C(CM) |
|---|---|---|---|---|---|---|---|---|---|---|
| FL215D1 | — | C(CM)-UCFL215D1 | 4 | — | 102 | 169 | 82 | 6.0 | — | 7.1 |
| FL215D1 | | C(CM)-UCFL215-213D1 | | | | | | | | |
| FL215D1 | | C(CM)-UCFL215-214D1 | | | | | | | | |
| FL215D1 | — | C(CM)-UCFL215-215D1 | 5/32 | — | 4 1/32 | 6 21/32 | 3 7/32 | 13 | — | 16 |
| FL215D1 | | C(CM)-UCFL215-300D1 | | | | | | | | |
| FL216D1 | — | C(CM)-UCFL216D1 | 4 | — | 106 | 183 | 90 | 7.4 | — | 8.6 |
| FL216D1 | | C(CM)-UCFL216-301D1 | | | | | | | | |
| FL216D1 | — | C(CM)-UCFL216-302D1 | 5/32 | — | 4 3/16 | 7 7/32 | 3 17/32 | 16 | — | 19 |
| FL216D1 | | C(CM)-UCFL216-303D1 | | | | | | | | |
| FL217D1 | — | C(CM)-UCFL217D1 | 5 | — | 114 | 192 | 95 | 8.8 | — | 10 |
| FL217D1 | | C(CM)-UCFL217-304D1 | | | | | | | | |
| FL217D1 | — | C(CM)-UCFL217-305D1 | 13/64 | — | 4 1/2 | 7 9/16 | 3 3/4 | 19 | — | 22 |
| FL217D1 | | C(CM)-UCFL217-307D1 | | | | | | | | |
| FL218D1 | — | C(CM)-UCFL218D1 | 5 | — | 122 | 205 | 102 | 11 | — | 13 |
| FL218D1 | — | C(CM)-UCFL218-308D1 | 13/64 | — | 4 13/16 | 8 1/16 | 4 1/32 | 24 | — | 29 |

## Rhombus flanged unit, cast housing
## Set screw type




**Cast dust cover type**

Open end **C-UCFL···D1**

Closed end **CM-UCFL···D1**

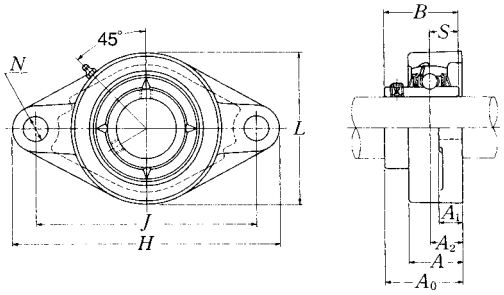
| Shaft dia. mm / inch | Unit number (1) | Nominal dimensions mm / inch | | | | | | | | | | Bolt size mm / inch |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | $H$ | $J$ | $A_2$ | $A_1$ | $A$ | $N$ | $L$ | $A_0$ | $B$ | $S$ | |
| 25 | **UCFL305D1** | 150 | 113 | 16 | 13 | 29 | 19 | 80 | 39 | 38 | 15 | M16 |
| 13/16 | **UCFL305-013D1** | | | | | | | | | | | |
| 7/8 | **UCFL305-014D1** | | | | | | | | | | | |
| 15/16 | **UCFL305-015D1** | 5 29/32 | 4 29/64 | 5/8 | 1/2 | 1 5/32 | 3/4 | 3 5/32 | 1 17/32 | 1.4961 | 0.591 | 5/8 |
| 1 | **UCFL305-100D1** | | | | | | | | | | | |
| 30 | **UCFL306D1** | 180 | 134 | 18 | 15 | 32 | 23 | 90 | 44 | 43 | 17 | M20 |
| 1 1/16 | **UCFL306-101D1** | | | | | | | | | | | |
| 1 1/8 | **UCFL306-102D1** | 7 3/32 | 5 9/32 | 45/64 | 19/32 | 1 1/4 | 29/32 | 3 17/32 | 1 47/64 | 1.6929 | 0.669 | 3/4 |
| 1 3/16 | **UCFL306-103D1** | | | | | | | | | | | |
| 35 | **UCFL307D1** | 185 | 141 | 20 | 16 | 36 | 23 | 100 | 49 | 48 | 19 | M20 |
| 1 1/4 | **UCFL307-104D1** | | | | | | | | | | | |
| 1 5/16 | **UCFL307-105D1** | | | | | | | | | | | |
| 1 3/8 | **UCFL307-106D1** | 7 9/32 | 5 35/64 | 25/32 | 5/8 | 1 13/32 | 29/32 | 3 15/16 | 1 59/64 | 1.8898 | 0.748 | 3/4 |
| 1 7/16 | **UCFL307-107D1** | | | | | | | | | | | |
| 40 | **UCFL308D1** | 200 | 158 | 23 | 17 | 40 | 23 | 112 | 56 | 52 | 19 | M20 |
| 1 1/2 | **UCFL308-108D1** | | | | | | | | | | | |
| 1 9/16 | **UCFL308-109D1** | 7 7/8 | 6 7/32 | 29/32 | 21/32 | 1 9/16 | 29/32 | 4 13/32 | 2 13/64 | 2.0472 | 0.748 | 3/4 |
| 45 | **UCFL309D1** | 230 | 177 | 25 | 18 | 44 | 25 | 125 | 60 | 57 | 22 | M22 |
| 1 5/8 | **UCFL309-110D1** | | | | | | | | | | | |
| 1 11/16 | **UCFL309-111D1** | 9 1/16 | 6 31/32 | 63/64 | 23/32 | 1 23/32 | 63/64 | 4 29/32 | 2 23/64 | 2.2441 | 0.866 | 7/8 |
| 1 3/4 | **UCFL309-112D1** | | | | | | | | | | | |
| 50 | **UCFL310D1** | 240 | 187 | 28 | 19 | 48 | 25 | 140 | 67 | 61 | 22 | M22 |
| 1 13/16 | **UCFL310-113D1** | | | | | | | | | | | |
| 1 7/8 | **UCFL310-114D1** | 9 7/16 | 7 23/64 | 1 7/64 | 3/4 | 1 7/8 | 63/64 | 5 1/2 | 2 41/64 | 2.4016 | 0.866 | 7/8 |
| 1 15/16 | **UCFL310-115D1** | | | | | | | | | | | |

| Bearing number | Housing number | Unit number (1) cast dust cover type | Nominal dimensions mm / inch | | | | Mass of unit kg / lb | |
|---|---|---|---|---|---|---|---|---|
| | | | $t$ max. | $A_5$ | $L_1$ | $L_2$ | UCFL | C(CM) |
| UC305D1 | FL305D1 | **C(CM)-UCFL305D1** | 2 | 56 | 86 | 40 | 0.9 | 1.2 |
| UC305-013D1 | FL305D1 | **C(CM)-UCFL305-013D1** | | | | | | |
| UC305-014D1 | FL305D1 | **C(CM)-UCFL305-014D1** | | | | | | |
| UC305-015D1 | FL305D1 | **C(CM)-UCFL305-015D1** | 5/64 | 2 7/32 | 3 3/8 | 1 9/16 | 2.0 | 2.6 |
| UC305-100D1 | FL305D1 | **C(CM)-UCFL305-100D1** | | | | | | |
| UC306D1 | FL306D1 | **C(CM)-UCFL306D1** | 2 | 60 | 101 | 45 | 1.4 | 1.7 |
| UC306-101D1 | FL306D1 | **C(CM)-UCFL306-101D1** | | | | | | |
| UC306-102D1 | FL306D1 | **C(CM)-UCFL306-102D1** | 5/64 | 2 3/8 | 3 31/32 | 1 25/32 | 3.1 | 3.7 |
| UC306-103D1 | FL306D1 | **C(CM)-UCFL306-103D1** | | | | | | |
| UC307D1 | FL307D1 | **C(CM)-UCFL307D1** | 3 | 68 | 110 | 50 | 1.7 | 2.1 |
| UC307-104D1 | FL307D1 | **C(CM)-UCFL307-104D1** | | | | | | |
| UC307-105D1 | FL307D1 | **C(CM)-UCFL307-105D1** | | | | | | |
| UC307-106D1 | FL307D1 | **C(CM)-UCFL307-106D1** | 1/8 | 2 11/16 | 4 11/32 | 1 31/32 | 3.7 | 4.6 |
| UC307-107D1 | FL307D1 | **C(CM)-UCFL307-107D1** | | | | | | |
| UC308D1 | FL308D1 | **C(CM)-UCFL308D1** | 3 | 76 | 122 | 56 | 2.2 | 2.9 |
| UC308-108D1 | FL308D1 | **C(CM)-UCFL308-108D1** | | | | | | |
| UC308-109D1 | FL308D1 | **C(CM)-UCFL308-109D1** | 1/8 | 3 | 4 13/16 | 2 7/32 | 4.9 | 6.4 |
| UC309D1 | FL309D1 | **C(CM)-UCFL309D1** | 3 | 80 | 135 | 62 | 3.0 | 3.8 |
| UC309-110D1 | FL309D1 | **C(CM)-UCFL309-110D1** | | | | | | |
| UC309-111D1 | FL309D1 | **C(CM)-UCFL309-111D1** | 1/8 | 3 5/32 | 5 5/16 | 2 7/16 | 6.6 | 8.4 |
| UC309-112D1 | FL309D1 | **C(CM)-UCFL309-112D1** | | | | | | |
| UC310D1 | FL310D1 | **C(CM)-UCFL310D1** | 3 | 88 | 152 | 70 | 4.1 | 5.0 |
| UC310-113D1 | FL310D1 | **C(CM)-UCFL310-113D1** | | | | | | |
| UC310-114D1 | FL310D1 | **C(CM)-UCFL310-114D1** | 1/8 | 3 15/32 | 5 31/32 | 2 3/4 | 9.0 | 11 |
| UC310-115D1 | FL310D1 | **C(CM)-UCFL310-115D1** | | | | | | |

**Note** (1) These numbers indicate relubricatable type. If maintenance free type is needed, please order without suffix "D1".

**Remarks** Please refer to page **A21** for size of grease fitting.

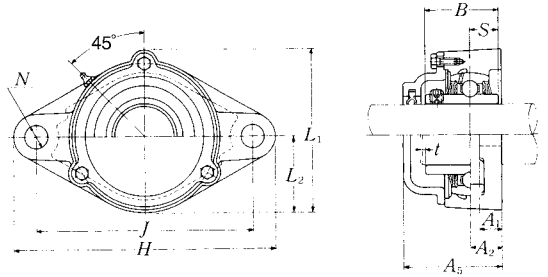
## Rhombus flanged unit, cast housing
## Set screw type




| Shaft dia. mm / inch | Unit number (1) | Nominal dimensions mm / inch H | J | $A_2$ | $A_1$ | A | N | L | $A_0$ | B | S | Bolt size mm / inch |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 55 | UCFL311D1 | 250 | 198 | 30 | 20 | 52 | 25 | 150 | 71 | 66 | 25 | M22 |
| 2 | UCFL311-200D1 | | | | | | | | | | | |
| $2\frac{1}{16}$ | UCFL311-201D1 | | | | | | | | | | | |
| $2\frac{1}{8}$ | UCFL311-202D1 | $9\frac{27}{32}$ | $7\frac{51}{64}$ | $1\frac{3}{16}$ | $\frac{25}{32}$ | $2\frac{1}{16}$ | $\frac{63}{64}$ | $5\frac{29}{32}$ | $2\frac{51}{64}$ | 2.5984 | 0.984 | $\frac{7}{8}$ |
| $2\frac{3}{16}$ | UCFL311-203D1 | | | | | | | | | | | |
| 60 | UCFL312D1 | 270 | 212 | 33 | 22 | 56 | 31 | 160 | 78 | 71 | 26 | M27 |
| $2\frac{1}{4}$ | UCFL312-204D1 | | | | | | | | | | | |
| $2\frac{5}{16}$ | UCFL312-205D1 | | | | | | | | | | | |
| $2\frac{3}{8}$ | UCFL312-206D1 | $10\frac{5}{8}$ | $8\frac{11}{32}$ | $1\frac{19}{64}$ | $\frac{7}{8}$ | $2\frac{7}{32}$ | $1\frac{7}{32}$ | $6\frac{5}{16}$ | $3\frac{5}{64}$ | 2.7953 | 1.024 | 1 |
| $2\frac{7}{16}$ | UCFL312-207D1 | | | | | | | | | | | |
| 65 | UCFL313D1 | 295 | 240 | 33 | 25 | 58 | 31 | 175 | 78 | 75 | 30 | M27 |
| $2\frac{1}{2}$ | UCFL313-208D1 | | | | | | | | | | | |
| $2\frac{9}{16}$ | UCFL313-209D1 | $11\frac{5}{8}$ | $9\frac{29}{64}$ | $1\frac{19}{64}$ | $\frac{31}{32}$ | $2\frac{9}{32}$ | $1\frac{7}{32}$ | $6\frac{7}{8}$ | $3\frac{5}{64}$ | 2.9528 | 1.181 | 1 |
| 70 | UCFL314D1 | 315 | 250 | 36 | 28 | 61 | 35 | 185 | 81 | 78 | 33 | M30 |
| $2\frac{5}{8}$ | UCFL314-210D1 | | | | | | | | | | | |
| $2\frac{11}{16}$ | UCFL314-211D1 | $12\frac{13}{32}$ | $9\frac{27}{32}$ | $1\frac{27}{64}$ | $1\frac{3}{32}$ | $2\frac{13}{32}$ | $1\frac{3}{8}$ | $7\frac{9}{32}$ | $3\frac{3}{16}$ | 3.0709 | 1.299 | $1\frac{1}{8}$ |
| $2\frac{3}{4}$ | UCFL314-212D1 | | | | | | | | | | | |
| 75 | UCFL315D1 | 320 | 260 | 39 | 30 | 66 | 35 | 195 | 89 | 82 | 32 | M30 |
| $2\frac{13}{16}$ | UCFL315-213D1 | | | | | | | | | | | |
| $2\frac{7}{8}$ | UCFL315-214D1 | | | | | | | | | | | |
| $2\frac{15}{16}$ | UCFL315-215D1 | $12\frac{19}{32}$ | $10\frac{15}{64}$ | $1\frac{17}{32}$ | $1\frac{3}{16}$ | $2\frac{19}{32}$ | $1\frac{3}{8}$ | $7\frac{11}{16}$ | $3\frac{1}{2}$ | 3.2283 | 1.260 | $1\frac{1}{8}$ |
| 3 | UCFL315-300D1 | | | | | | | | | | | |
| 80 | UCFL316D1 | 355 | 285 | 38 | 32 | 68 | 38 | 210 | 90 | 86 | 34 | M33 |
| $3\frac{1}{16}$ | UCFL316-301D1 | | | | | | | | | | | |
| $3\frac{1}{8}$ | UCFL316-302D1 | $13\frac{31}{32}$ | $11\frac{7}{32}$ | $1\frac{1}{2}$ | $1\frac{1}{4}$ | $2\frac{11}{16}$ | $1\frac{1}{2}$ | $8\frac{9}{32}$ | $3\frac{35}{64}$ | 3.3858 | 1.339 | $1\frac{1}{4}$ |
| $3\frac{3}{16}$ | UCFL316-303D1 | | | | | | | | | | | |

**Note** (1) These numbers indicate relubricatable type. If maintenance free type is needed, please order without suffix "D1".
**Remarks** Please refer to page **A21** for size of grease fitting.

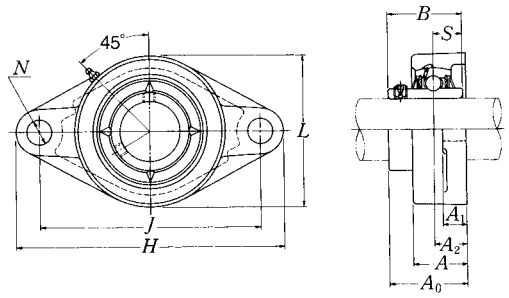


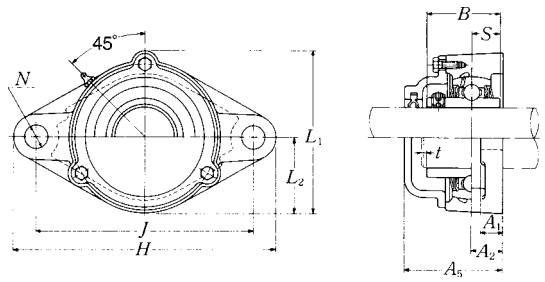



**Cast dust cover type**
Open end **C-UCFL···D1**
Closed end **CM-UCFL···D1**

| Bearing number | Housing number | Unit number (1) cast dust cover type | Nominal dimensions mm / inch t max. | $A_5$ | $L_1$ | $L_2$ | Mass of unit kg / lb UCFL | C(CM) |
|---|---|---|---|---|---|---|---|---|
| UC311D1 | FL311D1 | **C(CM)-UCFL311D1** | 4 | 92 | 162 | 75 | 4.6 | 5.9 |
| UC311-200D1 | FL311D1 | **C(CM)-UCFL311-200D1** | | | | | | |
| UC311-201D1 | FL311D1 | **C(CM)-UCFL311-201D1** | | | | | | |
| UC311-202D1 | FL311D1 | **C(CM)-UCFL311-202D1** | $\frac{5}{32}$ | $3\frac{5}{8}$ | $6\frac{3}{8}$ | $2\frac{15}{16}$ | 10 | 13 |
| UC311-203D1 | FL311D1 | **C(CM)-UCFL311-203D1** | | | | | | |
| UC312D1 | FL312D1 | **C(CM)-UCFL312D1** | 4 | 100 | 175 | 80 | 5.7 | 7.7 |
| UC312-204D1 | FL312D1 | **C(CM)-UCFL312-204D1** | | | | | | |
| UC312-205D1 | FL312D1 | **C(CM)-UCFL312-205D1** | | | | | | |
| UC312-206D1 | FL312D1 | **C(CM)-UCFL312-206D1** | $\frac{5}{32}$ | $3\frac{15}{16}$ | $6\frac{7}{8}$ | $3\frac{5}{32}$ | 13 | 17 |
| UC312-207D1 | FL312D1 | **C(CM)-UCFL312-207D1** | | | | | | |
| UC313D1 | FL313D1 | **C(CM)-UCFL313D1** | 4 | 103 | 189 | 88 | 7.6 | 9.9 |
| UC313-208D1 | FL313D1 | **C(CM)-UCFL313-208D1** | | | | | | |
| UC313-209D1 | FL313D1 | **C(CM)-UCFL313-209D1** | $\frac{5}{32}$ | $4\frac{1}{16}$ | $7\frac{7}{16}$ | $3\frac{15}{32}$ | 17 | 22 |
| UC314D1 | FL314D1 | **C(CM)-UCFL314D1** | 4 | 106 | 198 | 92 | 8.6 | 11 |
| UC314-210D1 | FL314D1 | **C(CM)-UCFL314-210D1** | | | | | | |
| UC314-211D1 | FL314D1 | **C(CM)-UCFL314-211D1** | $\frac{5}{32}$ | $4\frac{3}{16}$ | $7\frac{25}{32}$ | $3\frac{5}{8}$ | 19 | 24 |
| UC314-212D1 | FL314D1 | **C(CM)-UCFL314-212D1** | | | | | | |
| UC315D1 | FL315D1 | **C(CM)-UCFL315D1** | 4 | 114 | 210 | 98 | 9.9 | 12 |
| UC315-213D1 | FL315D1 | **C(CM)-UCFL315-213D1** | | | | | | |
| UC315-214D1 | FL315D1 | **C(CM)-UCFL315-214D1** | | | | | | |
| UC315-215D1 | FL315D1 | **C(CM)-UCFL315-215D1** | $\frac{5}{32}$ | $4\frac{1}{2}$ | $8\frac{9}{32}$ | $3\frac{27}{32}$ | 22 | 26 |
| UC315-300D1 | FL315D1 | **C(CM)-UCFL315-300D1** | | | | | | |
| UC316D1 | FL316D1 | **C(CM)-UCFL316D1** | 4 | 116 | 222 | 105 | 13 | 16 |
| UC316-301D1 | FL316D1 | **C(CM)-UCFL316-301D1** | | | | | | |
| UC316-302D1 | FL316D1 | **C(CM)-UCFL316-302D1** | $\frac{5}{32}$ | $4\frac{9}{16}$ | $8\frac{3}{4}$ | $4\frac{1}{8}$ | 29 | 35 |
| UC316-303D1 | FL316D1 | **C(CM)-UCFL316-303D1** | | | | | | |

## Rhombus flanged unit, cast housing
## Set screw type



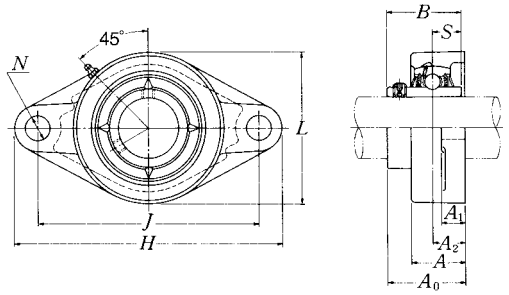

**Cast dust cover type**
Open end **C-UCFL···D1**
Closed end **CM-UCFL···D1**

| Shaft dia. mm inch | Unit number (1) | Nominal dimensions mm inch H | J | $A_2$ | $A_1$ | A | N | L | $A_0$ | B | S | Bolt size mm inch |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 85 | UCFL317D1 | 370 | 300 | 44 | 32 | 74 | 38 | 220 | 100 | 96 | 40 | M33 |
| 3 1/4 | UCFL317-304D1 | | | | | | | | | | | |
| 3 5/16 | UCFL317-305D1 | 14 9/16 | 11 13/16 | 1 47/64 | 1 1/4 | 2 29/32 | 1 1/2 | 8 21/32 | 3 15/16 | 3.7795 | 1.575 | 1 1/4 |
| 3 7/16 | UCFL317-307D1 | | | | | | | | | | | |
| 90 | UCFL318D1 | 385 | 315 | 44 | 36 | 76 | 38 | 235 | 100 | 96 | 40 | M33 |
| 3 7/16 | UCFL318-307D1 | 15 5/32 | 12 13/32 | 1 47/64 | 1 13/32 | 3 | 1 1/2 | 9 1/4 | 3 15/16 | 3.7795 | 1.575 | 1 1/4 |
| 3 1/2 | UCFL318-308D1 | | | | | | | | | | | |
| 95 | UCFL319D1 | 405 | 330 | 59 | 40 | 94 | 41 | 250 | 121 | 103 | 41 | M36 |
| 3 5/8 | UCFL319-310D1 | | | | | | | | | | | |
| 3 11/16 | UCFL319-311D1 | 15 15/16 | 12 63/64 | 2 21/64 | 1 9/16 | 3 11/16 | 1 39/64 | 9 27/32 | 4 49/64 | 4.0551 | 1.614 | 1 3/8 |
| 3 3/4 | UCFL319-312D1 | | | | | | | | | | | |
| 100 | UCFL320D1 | 440 | 360 | 59 | 40 | 94 | 44 | 270 | 125 | 108 | 42 | M39 |
| 3 13/16 | UCFL320-313D1 | | | | | | | | | | | |
| 3 7/8 | UCFL320-314D1 | 17 5/16 | 14 11/64 | 2 21/64 | 1 9/16 | 3 11/16 | 1 47/64 | 10 5/8 | 4 59/64 | 4.2520 | 1.654 | 1 1/2 |
| 3 15/16 | UCFL320-315D1 | | | | | | | | | | | |
| 4 | UCFL320-400D1 | | | | | | | | | | | |
| 105 | UCFL321D1 | 440 | 360 | 59 | 40 | 94 | 44 | 270 | 127 | 112 | 44 | M39 |
| 110 | UCFL322D1 | 470 | 390 | 60 | 42 | 96 | 44 | 300 | 131 | 117 | 46 | M39 |
| 120 | UCFL324D1 | 520 | 430 | 65 | 48 | 110 | 47 | 330 | 140 | 126 | 51 | M42 |
| 130 | UCFL326D1 | 550 | 460 | 65 | 50 | 115 | 47 | 360 | 146 | 135 | 54 | M42 |
| 140 | UCFL328D1 | 600 | 500 | 75 | 60 | 125 | 51 | 400 | 161 | 145 | 59 | M45 |

| Bearing number | Housing number | Unit number (1) cast dust cover type | Nominal dimensions mm inch t max. | $A_5$ | $L_1$ | $L_2$ | Mass of unit kg lb UCFL | C(CM) |
|---|---|---|---|---|---|---|---|---|
| UC317D1 | FL317D1 | C(CM)-UCFL317D1 | 5 | 127 | 234 | 110 | 15 | 18 |
| UC317-304D1 | FL317D1 | C(CM)-UCFL317-304D1 | | | | | | |
| UC317-305D1 | FL317D1 | C(CM)-UCFL317-305D1 | 13/64 | 5 | 9 7/32 | 4 11/32 | 33 | 40 |
| UC317-307D1 | FL317D1 | C(CM)-UCFL317-307D1 | | | | | | |
| UC318D1 | FL318D1 | C(CM)-UCFL318D1 | 5 | 129 | 247 | 118 | 17 | 21 |
| UC318-307D1 | FL318D1 | C(CM)-UCFL318-307D1 | 13/64 | 5 3/32 | 9 23/32 | 4 21/32 | 37 | 46 |
| UC318-308D1 | FL318D1 | C(CM)-UCFL318-308D1 | | | | | | |
| UC319D1 | FL319D1 | C(CM)-UCFL319D1 | 5 | 149 | 260 | 125 | 22 | 26 |
| UC319-310D1 | FL319D1 | C(CM)-UCFL319-310D1 | | | | | | |
| UC319-311D1 | FL319D1 | C(CM)-UCFL319-311D1 | 13/64 | 5 7/8 | 10 1/4 | 4 29/32 | 49 | 57 |
| UC319-312D1 | FL319D1 | C(CM)-UCFL319-312D1 | | | | | | |
| UC320D1 | FL320D1 | C(CM)-UCFL320D1 | 5 | 154 | 280 | 135 | 26 | 31 |
| UC320-313D1 | FL320D1 | C(CM)-UCFL320-313D1 | | | | | | |
| UC320-314D1 | FL320D1 | C(CM)-UCFL320-314D1 | 13/64 | 6 1/16 | 11 1/32 | 5 5/16 | 57 | 68 |
| UC320-315D1 | FL320D1 | C(CM)-UCFL320-315D1 | | | | | | |
| UC320-400D1 | FL320D1 | C(CM)-UCFL320-400D1 | | | | | | |
| UC321D1 | FL321D1 | C(CM)-UCFL321D1 | 5 | 156 | 287 | 135 | 27 | 32 |
| UC322D1 | FL322D1 | C(CM)-UCFL322D1 | 5 | 160 | 315 | 150 | 34 | 39 |
| UC324D1 | FL324D1 | C(CM)-UCFL324D1 | 5 | 172 | 342 | 165 | 48 | 52 |
| UC326D1 | FL326D1 | C(CM)-UCFL326D1 | 6 | 178 | 376 | 180 | 58 | 64 |
| UC328D1 | FL328D1 | C(CM)-UCFL328D1 | 6 | 192 | 410 | 200 | 81 | 90 |

**Note** (1) These numbers indicate relubricatable type. If maintenance free type is needed, please order without suffix "D1".
**Remarks** Please refer to page **A21** for size of grease fitting.

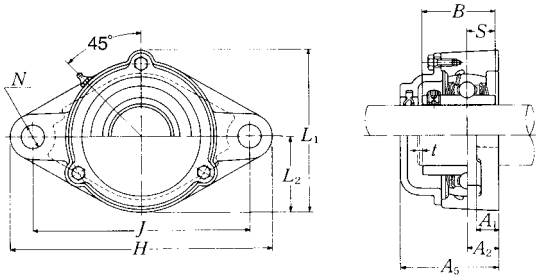
## Rhombus flanged unit, cast housing
## Set screw type




| Shaft dia. mm / inch | Unit number (1) | Nominal dimensions mm / inch H | J | $A_2$ | $A_1$ | A | N | L | $A_0$ | B | S | Bolt size mm / inch |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 25 | **UCFLX05D1** | 141 | 117 | 18 | 13 | 30 | 12 | 83 | 40.2 | 38.1 | 15.9 | M10 |
| 13/16 | **UCFLX05-013D1** | | | | | | | | | | | |
| 7/8 | **UCFLX05-014D1** | 5 9/16 | 4 39/64 | 45/64 | 1/2 | 1 3/16 | 15/32 | 3 9/32 | 1 37/64 | 1.5000 | 0.626 | 3/8 |
| 15/16 | **UCFLX05-015D1** | | | | | | | | | | | |
| 1 | **UCFLX05-100D1** | | | | | | | | | | | |
| 30 | **UCFLX06D1** | 156 | 130 | 19 | 15 | 34 | 16 | 95 | 44.4 | 42.9 | 17.5 | M14 |
| 1 1/16 | **UCFLX06-101D1** | | | | | | | | | | | |
| 1 1/8 | **UCFLX06-102D1** | 6 5/32 | 5 1/8 | 3/4 | 19/32 | 1 11/32 | 5/8 | 3 3/4 | 1 3/4 | 1.6890 | 0.689 | 1/2 |
| 1 3/16 | **UCFLX06-103D1** | | | | | | | | | | | |
| 1 1/4 | **UCFLX06-104D1** | | | | | | | | | | | |
| 35 | **UCFLX07D1** | 171 | 144 | 21 | 16 | 38 | 16 | 105 | 51.2 | 49.2 | 19 | M14 |
| 1 5/16 | **UCFLX07-105D1** | | | | | | | | | | | |
| 1 3/8 | **UCFLX07-106D1** | 6 23/32 | 5 43/64 | 53/64 | 5/8 | 1 1/2 | 5/8 | 4 1/8 | 2 1/64 | 1.9370 | 0.748 | 1/2 |
| 1 7/16 | **UCFLX07-107D1** | | | | | | | | | | | |
| 40 | **UCFLX08D1** | 179 | 148 | 22 | 16 | 40 | 16 | 111 | 52.2 | 49.2 | 19 | M14 |
| 1 1/2 | **UCFLX08-108D1** | 7 1/16 | 5 53/64 | 55/64 | 5/8 | 1 9/16 | 5/8 | 4 3/8 | 2 1/16 | 1.9370 | 0.748 | 1/2 |
| 1 9/16 | **UCFLX08-109D1** | | | | | | | | | | | |
| 45 | **UCFLX09D1** | 189 | 157 | 23 | 16 | 40 | 16 | 116 | 55.6 | 51.6 | 19 | M14 |
| 1 5/8 | **UCFLX09-110D1** | | | | | | | | | | | |
| 1 11/16 | **UCFLX09-111D1** | 7 7/16 | 6 3/16 | 29/32 | 5/8 | 1 9/16 | 5/8 | 4 9/16 | 2 3/16 | 2.0315 | 0.748 | 1/2 |
| 1 3/4 | **UCFLX09-112D1** | | | | | | | | | | | |
| 1 13/16 | **UCFLX09-113D1** | | | | | | | | | | | |
| 50 | **UCFLX10D1** | 216 | 184 | 26 | 18 | 44 | 19 | 133 | 59.4 | 55.6 | 22.2 | M16 |
| 1 7/8 | **UCFLX10-114D1** | | | | | | | | | | | |
| 1 15/16 | **UCFLX10-115D1** | 8 1/2 | 7 1/4 | 1 1/32 | 23/32 | 1 23/32 | 3/4 | 5 1/4 | 2 11/32 | 2.1890 | 0.874 | 5/8 |
| 2 | **UCFLX10-200D1** | | | | | | | | | | | |

**Note** (1) These numbers indicate relubricatable type. If maintenance free type is needed, please order without suffix "D1".
**Remarks** Please refer to page **A21** for size of grease fitting.

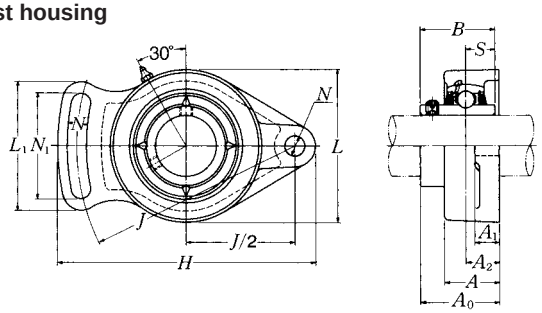





**Cast dust cover type**
Open end **C-UCFL···D1**
Closed end **CM-UCFL···D1**

| Bearing number | Housing number | Unit number (1) cast dust cover type | Nominal dimensions mm / inch t max. | $A_5$ | $L_1$ | $L_2$ | Mass of unit kg / lb UCFL | C(CM) |
|---|---|---|---|---|---|---|---|---|
| UCX05D1 | FLX05D1 | **C(CM)-UCFLX05D1** | 2 | 56 | 86 | 41.5 | 1.0 | 1.2 |
| UCX05-013D1 | FLX05D1 | **C(CM)-UCFLX05-013D1** | | | | | | |
| UCX05-014D1 | FLX05D1 | **C(CM)-UCFLX05-014D1** | 5/64 | 2 7/32 | 3 3/8 | 1 5/8 | 2.2 | 2.6 |
| UCX05-015D1 | FLX05D1 | **C(CM)-UCFLX05-015D1** | | | | | | |
| UCX05-100D1 | FLX05D1 | **C(CM)-UCFLX05-100D1** | | | | | | |
| UCX06D1 | FLX06D1 | **C(CM)-UCFLX06D1** | 2 | 59 | 98.5 | 47.5 | 1.5 | 1.8 |
| UCX06-101D1 | FLX06D1 | **C(CM)-UCFLX06-101D1** | | | | | | |
| UCX06-102D1 | FLX06D1 | **C(CM)-UCFLX06-102D1** | 5/64 | 2 5/16 | 3 7/8 | 1 7/8 | 3.3 | 4.0 |
| UCX06-103D1 | FLX06D1 | **C(CM)-UCFLX06-103D1** | | | | | | |
| UC207-104D1 | FLX06D1 | **C(CM)-UCFLX06-104D1** | | | | | | |
| UCX07D1 | FLX07D1 | **C(CM)-UCFLX07D1** | 3 | 66 | 108.5 | 52.5 | 1.8 | 2.2 |
| UCX07-105D1 | FLX07D1 | **C(CM)-UCFLX07-105D1** | | | | | | |
| UCX07-106D1 | FLX07D1 | **C(CM)-UCFLX07-106D1** | 1/8 | 2 19/32 | 4 9/32 | 2 1/16 | 4.0 | 4.9 |
| UCX07-107D1 | FLX07D1 | **C(CM)-UCFLX07-107D1** | | | | | | |
| UCX08D1 | FLX08D1 | **C(CM)-UCFLX08D1** | 3 | 70 | 114.5 | 55.5 | 2.0 | 2.4 |
| UCX08-108D1 | FLX08D1 | **C(CM)-UCFLX08-108D1** | 1/8 | 2 3/4 | 4 1/4 | 2 3/16 | 4.4 | 5.3 |
| UCX08-109D1 | FLX08D1 | **C(CM)-UCFLX08-109D1** | | | | | | |
| UCX09D1 | FLX09D1 | **C(CM)-UCFLX09D1** | 3 | 73 | 119.5 | 58 | 2.2 | 2.7 |
| UCX09-110D1 | FLX09D1 | **C(CM)-UCFLX09-110D1** | | | | | | |
| UCX09-111D1 | FLX09D1 | **C(CM)-UCFLX09-111D1** | 1/8 | 2 7/8 | 4 23/32 | 2 9/32 | 4.9 | 6.0 |
| UCX09-112D1 | FLX09D1 | **C(CM)-UCFLX09-112D1** | | | | | | |
| UC210-113D1 | FLX09D1 | **C(CM)-UCFLX09-113D1** | | | | | | |
| UCX10D1 | FLX10D1 | **C(CM)-UCFLX10D1** | 3 | 76 | 133.5 | 66.5 | 3.0 | 3.6 |
| UCX10-114D1 | FLX10D1 | **C(CM)-UCFLX10-114D1** | | | | | | |
| UCX10-115D1 | FLX10D1 | **C(CM)-UCFLX10-115D1** | 1/8 | 3 | 5 1/4 | 2 5/8 | 6.6 | 7.9 |
| UC211-200D1 | FLX10D1 | **C(CM)-UCFLX10-200D1** | | | | | | |

## Modified rhombus flanged unit, cast housing
## Set screw type





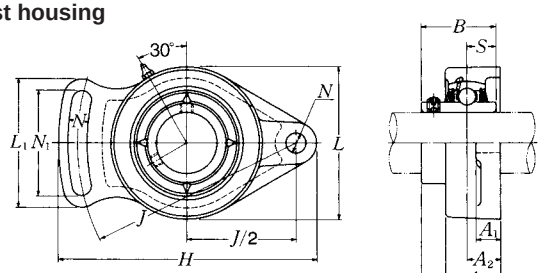


| Shaft dia. mm inch | Unit number (1) | Nominal dimensions mm inch H | J | $A_2$ | $A_1$ | A | N | $N_1$ | L | $L_1$ | $A_0$ | B | S | Bolt size mm inch |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 12 | UCFA201D1 | 98 | 78 | 15 | 12 | 25.5 | 10 | 40 | 60 | 50 | 33.3 | 31 | 12.7 | M8 |
| 1/2 | UCFA201-008D1 | 3 27/32 | 3 1/16 | 19/32 | 15/32 | 1 | 25/64 | 1 9/16 | 2 3/8 | 1 31/32 | 1 5/16 | 1.2205 | 0.500 | 5/16 |
| 15 | UCFA202D1 | 98 | 78 | 15 | 12 | 25.5 | 10 | 40 | 60 | 50 | 33.3 | 31 | 12.7 | M8 |
| 9/16 | UCFA202-009D1 | | | | | | | | | | | | | |
| 5/8 | UCFA202-010D1 | 3 27/32 | 3 1/16 | 19/32 | 15/32 | 1 | 25/64 | 1 9/16 | 2 3/8 | 1 31/32 | 1 5/16 | 1.2205 | 0.500 | 5/16 |
| 17 | UCFA203D1 | 98 | 78 | 15 | 12 | 25.5 | 10 | 40 | 60 | 50 | 33.3 | 31 | 12.7 | M8 |
| 11/16 | UCFA203-011D1 | 3 27/32 | 3 1/16 | 19/32 | 15/32 | 1 | 25/64 | 1 9/16 | 2 3/8 | 1 31/32 | 1 5/16 | 1.2205 | 0.500 | 5/16 |
| 20 | UCFA204D1 | 98 | 78 | 15 | 12 | 25.5 | 10 | 40 | 60 | 50 | 33.3 | 31 | 12.7 | M8 |
| 3/4 | UCFA204-012D1 | 3 27/32 | 3 1/16 | 19/32 | 15/32 | 1 | 25/64 | 1 9/16 | 2 3/8 | 1 31/32 | 1 5/16 | 1.2205 | 0.500 | 5/16 |
| 25 | UCFA205D1 | 124 | 96 | 15 | 14 | 26.5 | 13 | 49 | 70 | 64 | 34.8 | 34.1 | 14.3 | M10 |
| 13/16 | UCFA205-013D1 | | | | | | | | | | | | | |
| 7/8 | UCFA205-014D1 | | | | | | | | | | | | | |
| 15/16 | UCFA205-015D1 | 4 7/8 | 3 25/32 | 19/32 | 9/16 | 1 1/32 | 33/64 | 1 15/16 | 2 3/4 | 2 17/32 | 1 3/8 | 1.3425 | 0.563 | 3/8 |
| 1 | UCFA205-100D1 | | | | | | | | | | | | | |
| 30 | UCFA206D1 | 141 | 115 | 18 | 14 | 31 | 13 | 53 | 80 | 68 | 40.2 | 38.1 | 15.9 | M10 |
| 1 1/16 | UCFA206-101D1 | | | | | | | | | | | | | |
| 1 1/8 | UCFA206-102D1 | | | | | | | | | | | | | |
| 1 3/16 | UCFA206-103D1 | 5 9/16 | 4 17/32 | 45/64 | 9/16 | 1 7/32 | 33/64 | 2 3/32 | 3 5/32 | 2 11/16 | 1 37/64 | 1.5000 | 0.626 | 3/8 |
| 1 1/4 | UCFA206-104D1 | | | | | | | | | | | | | |
| 35 | UCFA207D1 | 155 | 128 | 20 | 16 | 34 | 15 | 60 | 90 | 75 | 45.4 | 42.9 | 17.5 | M12 |
| 1 1/4 | UCFA207-104D1 | | | | | | | | | | | | | |
| 1 5/16 | UCFA207-105D1 | | | | | | | | | | | | | |
| 1 3/8 | UCFA207-106D1 | 6 3/32 | 5 1/32 | 25/32 | 5/8 | 1 11/32 | 19/32 | 2 3/8 | 3 17/32 | 2 15/16 | 1 25/32 | 1.6890 | 0.689 | 7/16 |
| 1 7/16 | UCFA207-107D1 | | | | | | | | | | | | | |
| 40 | UCFA208D1 | 171 | 142 | 22 | 16 | 36 | 15 | 69 | 100 | 84 | 52.2 | 49.2 | 19 | M12 |
| 1 1/2 | UCFA208-108D1 | | | | | | | | | | | | | |
| 1 9/16 | UCFA208-109D1 | 6 23/32 | 5 19/32 | 55/64 | 5/8 | 1 13/32 | 19/32 | 2 23/32 | 3 15/16 | 3 5/16 | 2 1/16 | 1.9370 | 0.748 | 7/16 |

| Bearing number | Housing number | Mass of unit kg | lb |
|---|---|---|---|
| UC201D1 | FA204D1 | 0.5 | |
| UC201-008D1 | FA204D1 | 1.1 | |
| UC202D1 | FA204D1 | 0.5 | |
| UC202-009D1 | FA204D1 | | |
| UC202-010D1 | FA204D1 | 1.1 | |
| UC203D1 | FA204D1 | 0.5 | |
| UC203-011D1 | FA204D1 | 1.1 | |
| UC204D1 | FA204D1 | 0.5 | |
| UC204-012D1 | FA204D1 | 1.1 | |
| UC205D1 | FA205D1 | 0.7 | |
| UC205-013D1 | FA205D1 | | |
| UC205-014D1 | FA205D1 | | |
| UC205-015D1 | FA205D1 | 1.5 | |
| UC205-100D1 | FA205D1 | | |
| UC206D1 | FA206D1 | 0.9 | |
| UC206-101D1 | FA206D1 | | |
| UC206-102D1 | FA206D1 | | |
| UC206-103D1 | FA206D1 | 2.0 | |
| UC206-104D1 | FA206D1 | | |
| UC207D1 | FA207D1 | 1.2 | |
| UC207-104D1 | FA207D1 | | |
| UC207-105D1 | FA207D1 | | |
| UC207-106D1 | FA207D1 | 2.6 | |
| UC207-107D1 | FA207D1 | | |
| UC208D1 | FA208D1 | 1.5 | |
| UC208-108D1 | FA208D1 | 3.3 | |
| UC208-109D1 | FA208D1 | | |

**Note** (1) These numbers indicate relubricatable type. If maintenance free type is needed, please order without suffix "D1".
**Remarks** Please refer to page **A21** for size of grease fitting.

## Modified rhombus flanged unit, cast housing
## Set screw type





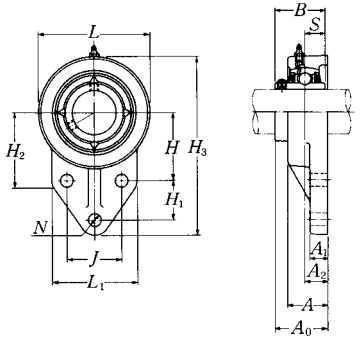


| Shaft dia. mm / inch | Unit number (1) | Nominal dimensions mm / inch | | | | | | | | | | | | Bolt size mm / inch |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | *H* | *J* | $A_2$ | $A_1$ | *A* | *N* | $N_1$ | *L* | $L_1$ | $A_0$ | *B* | *S* | |
| 45 | **UCFA209D1** | 179 | 146 | 22 | 18 | 38 | 17 | 72 | 110 | 88 | 52.2 | 49.2 | 19 | M14 |
| 1 5/8 | **UCFA209-110D1** | | | | | | | | | | | | | |
| 1 11/16 | **UCFA209-111D1** | 7 1/16 | 5 3/4 | 55/64 | 23/32 | 1 1/2 | 43/64 | 2 27/32 | 4 11/32 | 3 15/32 | 2 1/16 | 1.9370 | 0.748 | 1/2 |
| 1 3/4 | **UCFA209-112D1** | | | | | | | | | | | | | |
| 50 | **UCFA210D1** | 189 | 155 | 22 | 18 | 40 | 17 | 75 | 115 | 92 | 54.6 | 51.6 | 19 | M14 |
| 1 13/16 | **UCFA210-113D1** | | | | | | | | | | | | | |
| 1 7/8 | **UCFA210-114D1** | 7 7/16 | 6 3/32 | 55/64 | 23/32 | 1 9/16 | 43/64 | 2 15/16 | 4 17/32 | 3 5/8 | 2 5/32 | 2.0315 | 0.748 | 1/2 |
| 1 15/16 | **UCFA210-115D1** | | | | | | | | | | | | | |
| 2 | **UCFA210-200D1** | | | | | | | | | | | | | |
| 55 | **UCFA211D1** | 216 | 182 | 26 | 20 | 43 | 17 | 85 | 130 | 102 | 59.4 | 55.6 | 22.2 | M14 |
| 2 | **UCFA211-200D1** | | | | | | | | | | | | | |
| 2 1/16 | **UCFA211-201D1** | 8 1/8 | 7 5/32 | 1 1/32 | 25/32 | 1 11/16 | 43/64 | 3 11/32 | 5 1/8 | 4 1/32 | 2 11/32 | 2.1890 | 0.874 | 1/2 |
| 2 1/8 | **UCFA211-202D1** | | | | | | | | | | | | | |
| 2 3/16 | **UCFA211-203D1** | | | | | | | | | | | | | |

**Note** (1) These numbers indicate relubricatable type. If maintenance free type is needed, please order without suffix "D1".
**Remarks** Please refer to page **A21** for size of grease fitting.

| Bearing number | Housing number | Mass of unit kg / lb |
|---|---|---|
| UC209D1 | FA209D1 | 1.9 |
| UC209-110D1 | FA209D1 | |
| UC209-111D1 | FA209D1 | 4.2 |
| UC209-112D1 | FA209D1 | |
| UC210D1 | FA210D1 | 2.2 |
| UC210-113D1 | FA210D1 | |
| UC210-114D1 | FA210D1 | |
| UC210-115D1 | FA210D1 | 4.9 |
| UC210-200D1 | FA210D1 | |
| UC211D1 | FA211D1 | 2.9 |
| UC211-200D1 | FA211D1 | |
| UC211-201D1 | FA211D1 | |
| UC211-202D1 | FA211D1 | 6.4 |
| UC211-203D1 | FA211D1 | |

## Modified flanged unit, cast housing
## Set screw type

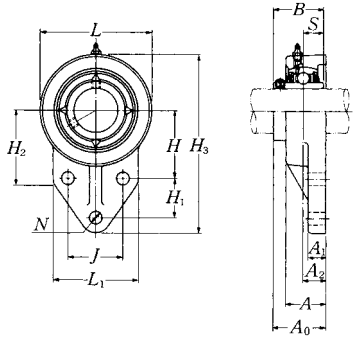



| Shaft dia. mm / inch | Unit number (1) | Nominal dimensions mm / inch | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | $H_3$ | $J$ | $A_2$ | $A_1$ | $A$ | $N$ | $H$ | $H_1$ | $L_1$ | $H_2$ | $L$ | $A_0$ | $B$ | $S$ |
| 12 | UCFH201D1 | 110 | 32 | 15 | 13 | 25.5 | 10 | 42 | 27 | 52 | 52 | 62 | 33.3 | 31 | 12.7 |
| 1/2 | UCFH201-008D1 | 4 11/32 | 1 17/64 | 19/32 | 1/2 | 1 | 25/64 | 1 21/32 | 1 1/16 | 2 1/16 | 2 1/16 | 2 7/16 | 1 5/16 | 1.2205 | 0.500 |
| 15 | UCFH202D1 | 110 | 32 | 15 | 13 | 25.5 | 10 | 42 | 27 | 52 | 52 | 62 | 33.3 | 31 | 12.7 |
| 9/16 | UCFH202-009D1 | 4 11/32 | 1 17/64 | 19/32 | 1/2 | 1 | 25/64 | 1 21/32 | 1 1/16 | 2 1/16 | 2 1/16 | 2 7/16 | 1 5/16 | 1.2205 | 0.500 |
| 5/8 | UCFH202-010D1 | | | | | | | | | | | | | | |
| 17 | UCFH203D1 | 110 | 32 | 15 | 13 | 25.5 | 10 | 42 | 27 | 52 | 52 | 62 | 33.3 | 31 | 12.7 |
| 11/16 | UCFH203-011D1 | 4 11/32 | 1 17/64 | 19/32 | 1/2 | 1 | 25/64 | 1 21/32 | 1 1/16 | 2 1/16 | 2 1/16 | 2 7/16 | 1 5/16 | 1.2205 | 0.500 |
| 20 | UCFH204D1 | 110 | 32 | 15 | 13 | 25.5 | 10 | 42 | 27 | 52 | 52 | 62 | 33.3 | 31 | 12.7 |
| 3/4 | UCFH204-012D1 | 4 11/32 | 1 17/64 | 19/32 | 1/2 | 1 | 25/64 | 1 21/32 | 1 1/16 | 2 1/16 | 2 1/16 | 2 7/16 | 1 5/16 | 1.2205 | 0.500 |
| 25 | UCFH205D1 | 116 | 34 | 16 | 13 | 27 | 10 | 45 | 27 | 56 | 52 | 68 | 35.8 | 34.1 | 14.3 |
| 13/16 | UCFH205-013D1 | 4 9/16 | 1 11/32 | 5/8 | 1/2 | 1 1/16 | 25/64 | 1 49/64 | 1 1/16 | 2 7/32 | 2 1/16 | 2 11/16 | 1 13/32 | 1.3425 | 0.563 |
| 7/8 | UCFH205-014D1 | | | | | | | | | | | | | | |
| 15/16 | UCFH205-015D1 | | | | | | | | | | | | | | |
| 1 | UCFH205-100D1 | | | | | | | | | | | | | | |
| 30 | UCFH206D1 | 130 | 40 | 18 | 13 | 31 | 10 | 50 | 29 | 65 | 55 | 78 | 40.2 | 38.1 | 15.9 |
| 1 1/16 | UCFH206-101D1 | 5 1/8 | 1 37/64 | 45/64 | 1/2 | 1 7/32 | 25/64 | 1 31/32 | 1 9/64 | 2 9/16 | 2 5/32 | 3 1/16 | 1 37/64 | 1.5000 | 0.626 |
| 1 1/8 | UCFH206-102D1 | | | | | | | | | | | | | | |
| 1 3/16 | UCFH206-103D1 | | | | | | | | | | | | | | |
| 1 1/4 | UCFH206-104D1 | | | | | | | | | | | | | | |
| 35 | UCFH207D1 | 144 | 46 | 19 | 15 | 34 | 10 | 55 | 32 | 70 | 62 | 90 | 44.4 | 42.9 | 17.5 |
| 1 1/4 | UCFH207-104D1 | 5 21/32 | 1 13/16 | 3/4 | 19/32 | 1 11/32 | 25/64 | 2 11/64 | 1 17/64 | 2 3/4 | 2 7/16 | 3 17/32 | 1 3/4 | 1.6890 | 0.689 |
| 1 5/16 | UCFH207-105D1 | | | | | | | | | | | | | | |
| 1 3/8 | UCFH207-106D1 | | | | | | | | | | | | | | |
| 1 7/16 | UCFH207-107D1 | | | | | | | | | | | | | | |

| Bolt size mm / inch | Bearing number | Housing number | Mass of unit kg / lb |
|---|---|---|---|
| M8 | UC201D1 | FH204D1 | 0.6 |
| 5/16 | UC201-008D1 | FH204D1 | 1.3 |
| M8 | UC202D1 | FH204D1 | 0.6 |
| 5/16 | UC202-009D1 | FH204D1 | 1.3 |
| | UC202-010D1 | FH204D1 | |
| M8 | UC203D1 | FH204D1 | 0.6 |
| 5/16 | UC203-011D1 | FH204D1 | 1.3 |
| M8 | UC204D1 | FH204D1 | 0.6 |
| 5/16 | UC204-012D1 | FH204D1 | 1.3 |
| M8 | UC205D1 | FH205D1 | 0.7 |
| 5/16 | UC205-013D1 | FH205D1 | 1.5 |
| | UC205-014D1 | FH205D1 | |
| | UC205-015D1 | FH205D1 | |
| | UC205-100D1 | FH205D1 | |
| M8 | UC206D1 | FH206D1 | 0.9 |
| 5/16 | UC206-101D1 | FH206D1 | 2.0 |
| | UC206-102D1 | FH206D1 | |
| | UC206-103D1 | FH206D1 | |
| | UC206-104D1 | FH206D1 | |
| M8 | UC207D1 | FH207D1 | 1.3 |
| 5/16 | UC207-104D1 | FH207D1 | 2.9 |
| | UC207-105D1 | FH207D1 | |
| | UC207-106D1 | FH207D1 | |
| | UC207-107D1 | FH207D1 | |

**Note** (1) These numbers indicate relubricatable type. If maintenance free type is needed, please order without suffix "D1".
**Remarks** Please refer to page **A21** for size of grease fitting.

## Modified flanged unit, cast housing
## Set screw type

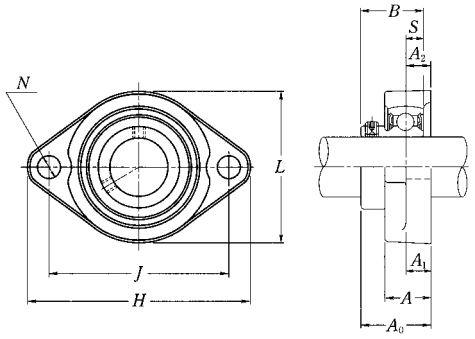



| Shaft dia. mm / inch | Unit number (1) | Nominal dimensions mm / inch | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | $H_3$ | $J$ | $A_2$ | $A_1$ | $A$ | $N$ | $H$ | $H_1$ | $L_1$ | $H_2$ | $L$ | $A_0$ | $B$ | $S$ |
| 40 | UCFH208D1 | 164 | 50 | 21 | 16 | 36 | 12 | 60 | 41 | 78 | 72 | 100 | 51.2 | 49.2 | 19 |
| 1 1/2 | UCFH208-108D1 | | | | | | | | | | | | | | |
| 1 9/16 | UCFH208-109D1 | 6 15/32 | 1 31/32 | 53/64 | 5/8 | 1 13/32 | 15/32 | 2 23/64 | 1 39/64 | 3 1/16 | 2 27/32 | 3 15/16 | 2 1/64 | 1.9370 | 0.748 |
| 45 | UCFH209D1 | 174 | 54 | 22 | 18 | 38 | 12 | 65 | 43 | 80 | 76 | 106 | 52.2 | 49.2 | 19 |
| 1 5/8 | UCFH209-110D1 | | | | | | | | | | | | | | |
| 1 11/16 | UCFH209-111D1 | 6 27/32 | 2 1/8 | 55/64 | 23/32 | 1 1/2 | 15/32 | 2 9/16 | 1 11/16 | 3 5/32 | 3 | 4 3/16 | 2 1/16 | 1.9370 | 0.748 |
| 1 3/4 | UCFH209-112D1 | | | | | | | | | | | | | | |
| 50 | UCFH210D1 | 184 | 58 | 22 | 18 | 40 | 12 | 68 | 46 | 86 | 82 | 112 | 54.6 | 51.6 | 19 |
| 1 13/16 | UCFH210-113D1 | | | | | | | | | | | | | | |
| 1 7/8 | UCFH210-114D1 | | | | | | | | | | | | | | |
| 1 15/16 | UCFH210-115D1 | 7 1/4 | 2 9/32 | 55/64 | 23/32 | 1 9/16 | 15/32 | 2 43/64 | 1 13/16 | 3 3/8 | 3 7/32 | 4 13/32 | 2 5/32 | 2.0315 | 0.748 |
| 2 | UCFH210-200D1 | | | | | | | | | | | | | | |

| Bolt size mm / inch | Bearing number | Housing number | Mass of unit kg / lb |
|---|---|---|---|
| M10 | UC208D1 | FH208D1 | 1.8 |
| | UC208-108D1 | FH208D1 | |
| 3/8 | UC208-109D1 | FH208D1 | 4.0 |
| M10 | UC209D1 | FH209D1 | 2.1 |
| | UC209-110D1 | FH209D1 | |
| 3/8 | UC209-111D1 | FH209D1 | 4.6 |
| | UC209-112D1 | FH209D1 | |
| M10 | UC210D1 | FH210D1 | 2.4 |
| | UC210-113D1 | FH210D1 | |
| | UC210-114D1 | FH210D1 | |
| 3/8 | UC210-115D1 | FH210D1 | 5.3 |
| | UC210-200D1 | FH210D1 | |

**Note** (1) These numbers indicate relubricatable type. If maintenance free type is needed, please order without suffix "D1".
**Remarks** Please refer to page **A21** for size of grease fitting.

## Light rhombus flanged unit, cast housing
## Set screw type

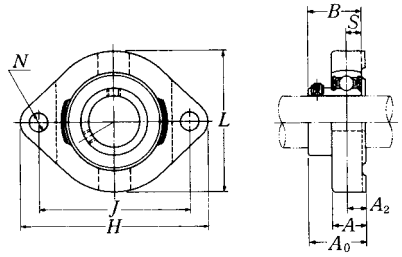



| Shaft dia. mm / inch | Unit number (1) | Nominal dimensions mm / inch | | | | | | | | | | Bolt size mm / inch |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | $H$ | $J$ | $A_2$ | $A_1$ | $A$ | $N$ | $L$ | $A_0$ | $B$ | $S$ | |
| 12 | ASFB201 | 81 | 63.5 | 9.5 | 9.5 | 18 | 7 | 56 | 25.5 | 22 | 6 | M6 |
| 1/2 | ASFB201-008 | 3 3/16 | 2 1/2 | 3/8 | 3/8 | 23/32 | 9/32 | 2 7/32 | 1 | 0.8661 | 0.236 | 1/4 |
| 15 | ASFB202 | 81 | 63.5 | 9.5 | 9.5 | 18 | 7 | 56 | 25.5 | 22 | 6 | M6 |
| 9/16 | ASFB202-009 | | | | | | | | | | | |
| 5/8 | ASFB202-010 | 3 3/16 | 2 1/2 | 3/8 | 3/8 | 23/32 | 9/32 | 2 7/32 | 1 | 0.8661 | 0.236 | 1/4 |
| 17 | ASFB203 | 81 | 63.5 | 9.5 | 9.5 | 18 | 7 | 56 | 25.5 | 22 | 6 | M6 |
| 1/2 | ASFB203-011 | 3 3/16 | 2 1/2 | 3/8 | 3/8 | 23/32 | 9/32 | 2 7/32 | 1 | 0.8661 | 0.236 | 1/4 |
| 20 | ASFB204 | 90 | 71.5 | 11 | 11 | 20 | 10 | 61 | 29 | 25 | 7 | M8 |
| 3/4 | ASFB204-012 | 3 17/32 | 2 13/16 | 7/16 | 7/16 | 25/32 | 25/64 | 2 13/32 | 1 9/64 | 0.9843 | 0.276 | 5/16 |
| 25 | ASFB205 | 95 | 76 | 11 | 11 | 20 | 10 | 64 | 30.5 | 27 | 7.5 | M8 |
| 13/16 | ASFB205-013 | | | | | | | | | | | |
| 7/8 | ASFB205-014 | | | | | | | | | | | |
| 15/16 | ASFB205-015 | 3 3/4 | 2 63/64 | 7/16 | 7/16 | 25/32 | 25/64 | 2 17/32 | 1 13/64 | 1.0630 | 0.295 | 5/16 |
| 1 | ASFB205-100 | | | | | | | | | | | |
| 30 | ASFB206 | 113 | 90.5 | 12 | 12 | 22.5 | 12 | 76 | 33 | 29 | 8 | M10 |
| 1 1/16 | ASFB206-101 | | | | | | | | | | | |
| 1 1/8 | ASFB206-102 | | | | | | | | | | | |
| 1 3/16 | ASFB206-103 | 4 7/16 | 3 9/16 | 15/32 | 15/32 | 7/8 | 15/32 | 3 | 1 19/64 | 1.1417 | 0.315 | 3/8 |
| 1 1/4 | ASFB206-104 | | | | | | | | | | | |
| 35 | ASFB207 | 122 | 100 | 11 | 13 | 24 | 12 | 89 | 36.5 | 34 | 8.5 | M10 |
| 1 1/4 | ASFB207-104 | | | | | | | | | | | |
| 1 5/16 | ASFB207-105 | | | | | | | | | | | |
| 1 3/8 | ASFB207-106 | 4 13/16 | 3 15/16 | 7/16 | 1/2 | 15/16 | 15/32 | 3 1/2 | 1 7/16 | 1.3386 | 0.335 | 3/8 |
| 1 7/16 | ASFB207-107 | | | | | | | | | | | |

**Note** (1) If relubricatable type is needed, please order with suffix "D1".

| Bearing number | Housing number | Mass of unit kg / lb |
|---|---|---|
| AS201 | FB201 | 0.3 |
| AS201-008 | FB201 | 0.7 |
| AS202 | FB201 | 0.3 |
| AS202-009 | FB201 | |
| AS202-010 | FB201 | 0.7 |
| AS203 | FB201 | 0.2 |
| AS203-011 | FB201 | 0.4 |
| AS204 | FB204 | 0.3 |
| AS204-012 | FB204 | 0.7 |
| AS205 | FB205 | 0.3 |
| AS205-013 | FB205 | |
| AS205-014 | FB205 | |
| AS205-015 | FB205 | 0.7 |
| AS205-100 | FB205 | |
| AS206 | FB206 | 0.5 |
| AS206-101 | FB206 | |
| AS206-102 | FB206 | |
| AS206-103 | FB206 | 1.1 |
| AS206-104 | FB206 | |
| AS207 | FB207 | 0.8 |
| AS207-104 | FB207 | |
| AS207-105 | FB207 | |
| AS207-106 | FB207 | 1.8 |
| AS207-107 | FB207 | |

## Light rhombus flanged unit, cast housing
## Set screw type

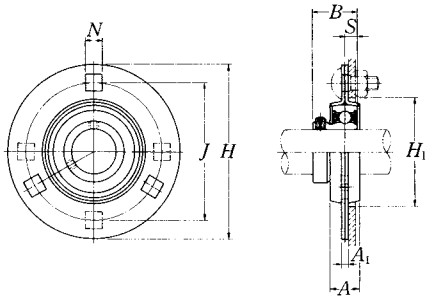



| Shaft dia. mm / inch | Unit number (1) | Nominal dimensions mm inch H | J | $A_2$ | A | N | L | $A_0$ | B | S | Bolt size mm / inch |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 12 | ASFD201 | 81 | 63 | 8.5 | 15 | 7 | 59 | 24.5 | 22 | 6 | M6 |
| 1/2 | ASFD201-008 | 3 3/16 | 2 31/64 | 21/64 | 19/32 | 9/32 | 2 5/16 | 31/32 | 0.8661 | 0.236 | 1/4 |
| 15 | ASFD202 | 81 | 63 | 8.5 | 15 | 7 | 59 | 24.5 | 22 | 6 | M6 |
| 9/16 | ASFD202-009 | | | | | | | | | | |
| 5/8 | ASFD202-010 | 3 3/16 | 2 31/64 | 21/64 | 19/32 | 9/32 | 2 5/16 | 31/32 | 0.8661 | 0.236 | 1/4 |
| 17 | ASFD203 | 81 | 63 | 8.5 | 15 | 7 | 59 | 24.5 | 22 | 6 | M6 |
| 11/16 | ASFD203-011 | 3 3/16 | 2 31/64 | 21/64 | 19/32 | 9/32 | 2 5/16 | 31/32 | 0.8661 | 0.236 | 1/4 |
| 20 | ASFD204 | 90 | 71 | 9.5 | 17 | 10 | 67 | 27.5 | 25 | 7 | M8 |
| 3/4 | ASFD204-012 | 3 17/32 | 2 51/64 | 3/8 | 21/32 | 25/64 | 2 5/8 | 1 5/64 | 0.9843 | 0.276 | 5/16 |
| 25 | ASFD205 | 95 | 76 | 9.5 | 17 | 10 | 71 | 29 | 27 | 7.5 | M8 |
| 13/16 | ASFD205-013 | | | | | | | | | | |
| 7/8 | ASFD205-014 | | | | | | | | | | |
| 15/16 | ASFD205-015 | 3 3/4 | 2 63/64 | 3/8 | 21/32 | 25/64 | 2 25/32 | 1 9/64 | 1.0630 | 0.295 | 5/16 |
| 1 | ASFD205-100 | | | | | | | | | | |
| 30 | ASFD206 | 113 | 90 | 12 | 21 | 12 | 84 | 33 | 29 | 8 | M10 |
| 1 1/16 | ASFD206-101 | | | | | | | | | | |
| 1 1/8 | ASFD206-102 | | | | | | | | | | |
| 1 3/16 | ASFD206-103 | 4 7/16 | 3 35/64 | 15/32 | 13/16 | 15/32 | 3 5/16 | 1 19/64 | 1.1417 | 0.315 | 3/8 |
| 1 1/4 | ASFD206-104 | | | | | | | | | | |
| 35 | ASFD207 | 125 | 100 | 12.5 | 22 | 12 | 94 | 38 | 34 | 8.5 | M10 |
| 1 1/4 | ASFD207-104 | | | | | | | | | | |
| 1 5/16 | ASFD207-105 | | | | | | | | | | |
| 1 3/8 | ASFD207-106 | 4 29/32 | 3 15/16 | 31/64 | 7/8 | 15/32 | 3 11/16 | 1 1/2 | 1.3386 | 0.335 | 3/8 |
| 1 7/16 | ASFD207-107 | | | | | | | | | | |
| 40 | ASFD208 | 148 | 119 | 14.5 | 25 | 13.5 | 104 | 43.5 | 38 | 9 | M12 |
| 1 1/2 | ASFD208-108 | 5 13/16 | 4 11/16 | 37/64 | 31/32 | 17/32 | 4 3/32 | 1 23/32 | 1.4961 | 0.354 | 9/16 |
| 1 9/16 | ASFD208-109 | | | | | | | | | | |

**Note** (1) If relubricatable type is needed, please order with suffix "A-" "D1". Example: A-ASFD201D1

| Bearing number | Housing number | Mass of unit kg | lb |
|---|---|---|---|
| AS201 | FD201 | 0.3 | |
| AS201-008 | FD201 | 0.7 | |
| AS202 | FD201 | 0.3 | |
| AS202-009 | FD201 | | |
| AS202-010 | FD201 | 0.7 | |
| AS203 | FD201 | 0.3 | |
| AS203-011 | FD201 | 0.7 | |
| AS204 | FD204 | 0.4 | |
| AS204-012 | FD204 | 0.9 | |
| AS205 | FD205 | 0.5 | |
| AS205-013 | FD205 | | |
| AS205-014 | FD205 | | |
| AS205-015 | FD205 | 1.1 | |
| AS205-100 | FD205 | | |
| AS206 | FD206 | 0.8 | |
| AS206-101 | FD206 | | |
| AS206-102 | FD206 | | |
| AS206-103 | FD206 | 1.8 | |
| AS206-104 | FD206 | | |
| AS207 | FD207 | 0.9 | |
| AS207-104 | FD207 | | |
| AS207-105 | FD207 | | |
| AS207-106 | FD207 | 2.0 | |
| AS207-107 | FD207 | | |
| AS208 | FD208 | 1.3 | |
| AS208-108 | FD208 | | |
| AS208-109 | FD208 | 2.9 | |

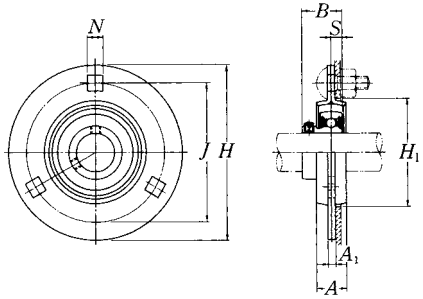
## Round flanged unit, pressed steel housing
## Set screw type




| Shaft dia. | Unit number | Nominal dimensions | | | | | | | | Bolt size | Max. load (2) recommended | | Bearing number | Housing number | Mass of unit | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | mm inch | | | | | | | | | N lbf | | | | | |
| mm inch | | H | J | $A_1$ | N (1) | A | B | S | $H_1$ min. | mm inch | radial | axial | | | kg | lb |
| 12 | ASPF201 | 81 | 63.5 | 4 | 7.1 | 14 | 22 | 6 | 49 | M6 | 2 700 | 1 350 | AS201 | PF203 | 0.2 | |
| 1/2 | ASPF201-008 | 3 3/16 | 2 1/2 | 0.157 | 9/32 | 9/16 | 0.8661 | 0.236 | 1 15/16 | 1/4 | 600 | 300 | AS201-008 | PF203 | 0.4 | |
| 15 | ASPF202 | 81 | 63.5 | 4 | 7.1 | 14 | 22 | 6 | 49 | M6 | 2 700 | 1 350 | AS202 | PF203 | 0.2 | |
| 9/16 | ASPF202-009 | | | | | | | | | | | | AS202-009 | PF203 | | |
| 5/8 | ASPF202-010 | 3 3/16 | 2 1/2 | 0.157 | 9/32 | 9/16 | 0.8661 | 0.236 | 1 15/16 | 1/4 | 600 | 300 | AS202-010 | PF203 | 0.4 | |
| 17 | ASPF203 | 81 | 63.5 | 4 | 7.1 | 14 | 22 | 6 | 49 | M6 | 2 700 | 1 350 | AS203 | PF203 | 0.2 | |
| 11/16 | ASPF203-011 | 3 3/16 | 2 1/2 | 0.157 | 9/32 | 9/16 | 0.8661 | 0.236 | 1 15/16 | 1/4 | 600 | 300 | AS203-011 | PF203 | 0.4 | |
| 20 | ASPF204 | 90 | 71.5 | 4 | 9 | 16 | 25 | 7 | 56 | M8 | 3 000 | 1 500 | AS204 | PF204 | 0.2 | |
| 3/4 | ASPF204-012 | 3 35/64 | 2 13/16 | 0.157 | 23/64 | 5/8 | 0.9843 | 0.276 | 2 7/32 | 5/16 | 660 | 330 | AS204-012 | PF204 | 0.4 | |
| 25 | ASPF205 | 95 | 76 | 4 | 9 | 18 | 27 | 7.5 | 60 | M8 | 4 000 | 2 000 | AS205 | PF205 | 0.3 | |
| 13/16 | ASPF205-013 | | | | | | | | | | | | AS205-013 | PF205 | | |
| 7/8 | ASPF205-014 | | | | | | | | | | | | AS205-014 | PF205 | | |
| 15/16 | ASPF205-015 | 3 3/4 | 2 63/64 | 0.157 | 23/64 | 23/32 | 1.0630 | 0.295 | 2 3/8 | 5/16 | 880 | 440 | AS205-015 | PF205 | 0.7 | |
| 1 | ASPF205-100 | | | | | | | | | | | | AS205-100 | PF205 | | |
| 30 | ASPF206 | 113 | 90.5 | 5.2 | 11 | 18 | 29 | 8 | 71 | M10 | 5 000 | 2 500 | AS206 | PF206 | 0.4 | |
| 1 1/16 | ASPF206-101 | | | | | | | | | | | | AS206-101 | PF206 | | |
| 1 1/8 | ASPF206-102 | | | | | | | | | | | | AS206-102 | PF206 | | |
| 1 3/16 | ASPF206-103 | 4 7/16 | 3 9/16 | 0.205 | 7/16 | 23/32 | 1.1417 | 0.315 | 2 13/16 | 3/8 | 1 100 | 550 | AS206-103 | PF206 | 0.9 | |
| 1 1/4 | ASPF206-104 | | | | | | | | | | | | AS206-104 | PF206 | | |
| 35 | ASPF207 | 122 | 100 | 5.2 | 11 | 20 | 34 | 8.5 | 81 | M10 | 6 000 | 3 000 | AS207 | PF207 | 0.6 | |
| 1 1/4 | ASPF207-104 | | | | | | | | | | | | AS207-104 | PF207 | | |
| 1 5/16 | ASPF207-105 | | | | | | | | | | | | AS207-105 | PF207 | | |
| 1 3/8 | ASPF207-106 | 4 13/16 | 3 15/16 | 0.205 | 7/16 | 25/32 | 1.3386 | 0.335 | 3 3/16 | 3/8 | 1 300 | 650 | AS207-106 | PF207 | 1.3 | |
| 1 7/16 | ASPF207-107 | | | | | | | | | | | | AS207-107 | PF207 | | |
| 40 | ASPF208 | 148 | 119 | 6.8 | 13.5 | 21 | 38 | 9 | 91 | M12 | 7 000 | 3 500 | AS208 | PF208 | 0.9 | |
| 1 1/2 | ASPF208-108 | | | | | | | | | | | | AS208-108 | PF208 | | |
| 1 9/16 | ASPF208-109 | 5 13/16 | 4 11/16 | 0.268 | 17/32 | 13/16 | 1.4961 | 0.354 | 3 19/32 | 1/2 | 1 500 | 750 | AS208-109 | PF208 | 2.0 | |

**Notes** (1) ASPF208 has four bolt holes.
(2) The permissible load only applies in applications where the load is stable and the speed is 2400 $min^{-1}$ or less.

## Round flanged unit, pressed steel housing with rubber ring
## Set screw type

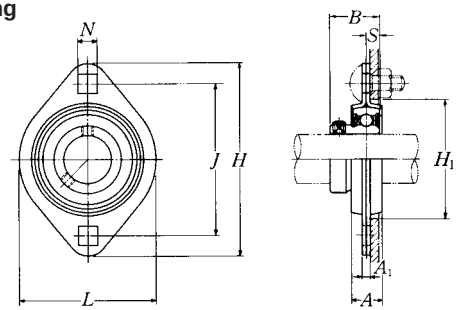



| Shaft dia. mm / inch | Unit number | Nominal dimensions mm / inch H | J | $A_1$ | N | A | B | S | $H_1$ min. | Bolt size mm / inch |
|---|---|---|---|---|---|---|---|---|---|---|
| 12 | ASRPF201 | 90 | 71.5 | 4 | 9 | 16 | 22 | 6 | 56 | M8 |
| 1/2 | ASRPF201-008 | 3 35/64 | 2 13/16 | 0.157 | 23/64 | 5/8 | 0.8661 | 0.236 | 2 7/32 | 5/16 |
| 15 | ASRPF202 | 90 | 71.5 | 4 | 9 | 16 | 22 | 6 | 56 | M8 |
| 9/16 | ASRPF202-009 | | | | | | | | | |
| 5/8 | ASRPF202-010 | 3 35/64 | 2 13/16 | 0.157 | 23/64 | 5/8 | 0.8661 | 0.236 | 2 7/32 | 5/16 |
| 17 | ASRPF203 | 90 | 71.5 | 4 | 9 | 16 | 22 | 6 | 56 | M8 |
| 11/16 | ASRPF203-011 | 3 35/64 | 2 13/16 | 0.157 | 23/64 | 5/8 | 0.8661 | 0.236 | 2 7/32 | 5/16 |
| 20 | ASRPF204 | 95 | 76 | 4 | 9 | 18 | 25 | 7 | 60 | M8 |
| 3/4 | ASRPF204-012 | 3 3/4 | 2 63/64 | 0.157 | 23/64 | 23/32 | 0.9843 | 0.276 | 2 3/8 | 5/16 |
| 25 | ASRPF205 | 113 | 90.5 | 5.2 | 11 | 18 | 27 | 7.5 | 71 | M10 |
| 13/16 | ASRPF205-013 | | | | | | | | | |
| 7/8 | ASRPF205-014 | | | | | | | | | |
| 15/16 | ASRPF205-015 | 4 7/16 | 3 9/16 | 0.205 | 7/16 | 23/32 | 1.0630 | 0.295 | 2 13/16 | 3/8 |
| 1 | ASRPF205-100 | | | | | | | | | |
| 30 | ASRPF206 | 122 | 100 | 5.2 | 11 | 20 | 29 | 8 | 81 | M10 |
| 1 1/16 | ASRPF206-101 | | | | | | | | | |
| 1 1/8 | ASRPF206-102 | | | | | | | | | |
| 1 3/16 | ASRPF206-103 | 4 13/16 | 3 15/16 | 0.205 | 7/16 | 25/32 | 1.1417 | 0.315 | 3 3/16 | 3/8 |
| 1 1/4 | ASRPF206-104 | | | | | | | | | |

| Max. load (1) recommended N / lbf radial | axial | Bearing number | Housing number rubber ring | steel | Mass of unit kg / lb |
|---|---|---|---|---|---|
| 1 000 | 200 | AS201 | R201 | PF204 | 0.2 |
| 220 | 40 | AS201-008 | R201 | PF204 | 0.4 |
| 1 000 | 200 | AS202 | R201 | PF204 | 0.2 |
| 220 | 40 | AS202-009 | R201 | PF204 | 0.4 |
| | | AS202-010 | R201 | PF204 | |
| 1 000 | 200 | AS203 | R201 | PF204 | 0.2 |
| 220 | 40 | AS203-011 | R201 | PF204 | 0.4 |
| 1 150 | 200 | AS204 | R204 | PF205 | 0.2 |
| 250 | 40 | AS204-012 | R204 | PF205 | 0.4 |
| 1 300 | 200 | AS205 | R205 | PF206 | 0.3 |
| 280 | 40 | AS205-013 | R205 | PF206 | 0.7 |
| | | AS205-014 | R205 | PF206 | |
| | | AS205-015 | R205 | PF206 | |
| | | AS205-100 | R205 | PF206 | |
| 1 500 | 200 | AS206 | R206 | PF207 | 0.5 |
| 330 | 40 | AS206-101 | R206 | PF207 | 1.1 |
| | | AS206-102 | R206 | PF207 | |
| | | AS206-103 | R206 | PF207 | |
| | | AS206-104 | R206 | PF207 | |

**Note** (1) The permissible load only applies in applications where the load is stable and the speed is 2400 $min^{-1}$ or less.
**Remarks** When an anti-vibration rubber ring is used, the self alignment capability will be reduce.

## Rhombus flanged unit, pressed steel housing
## Set screw type

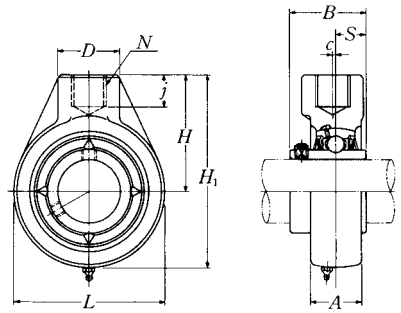



| Shaft dia. mm / inch | Unit number | Nominal dimensions mm / inch H | J | $A_1$ | N | A | L | B | S | $H_1$ min. | Bolt size mm / inch |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 12 | ASPFL201 | 81 | 63.5 | 4 | 7.1 | 14 | 59 | 22 | 6 | 49 | M6 |
| 1/2 | ASPFL201-008 | 3 3/16 | 2 1/2 | 0.157 | 9/32 | 9/16 | 2 5/16 | 0.8661 | 0.236 | 1 15/16 | 1/4 |
| 15 | ASPFL202 | 81 | 63.5 | 4 | 7.1 | 14 | 59 | 22 | 6 | 49 | M6 |
| 9/16 | ASPFL202-009 | | | | | | | | | | |
| 5/8 | ASPFL202-010 | 3 3/16 | 2 1/2 | 0.157 | 9/32 | 9/16 | 2 5/16 | 0.8661 | 0.236 | 1 15/16 | 1/4 |
| 17 | ASPFL203 | 81 | 63.5 | 4 | 7.1 | 14 | 59 | 22 | 6 | 49 | M6 |
| 11/16 | ASPFL203-011 | 3 3/16 | 2 1/2 | 0.157 | 9/32 | 9/16 | 2 5/16 | 0.8661 | 0.236 | 1 15/16 | 1/4 |
| 20 | ASPFL204 | 90 | 71.5 | 4 | 9 | 16 | 67 | 25 | 7 | 56 | M8 |
| 3/4 | ASPFL204-012 | 3 35/64 | 2 13/16 | 0.157 | 23/64 | 5/8 | 2 5/8 | 0.9843 | 0.276 | 27/32 | 5/16 |
| 25 | ASPFL205 | 95 | 76 | 4 | 9 | 18 | 71 | 27 | 7.5 | 60 | M8 |
| 13/16 | ASPFL205-013 | | | | | | | | | | |
| 7/8 | ASPFL205-014 | | | | | | | | | | |
| 15/16 | ASPFL205-015 | 3 3/4 | 2 63/64 | 0.157 | 23/64 | 23/32 | 2 25/32 | 1.0630 | 0.295 | 2 3/8 | 5/16 |
| 1 | ASPFL205-100 | | | | | | | | | | |
| 30 | ASPFL206 | 113 | 90.5 | 5.2 | 11 | 18 | 84 | 29 | 8 | 71 | M10 |
| 1 1/16 | ASPFL206-101 | | | | | | | | | | |
| 1 1/8 | ASPFL206-102 | | | | | | | | | | |
| 1 3/16 | ASPFL206-103 | 4 7/16 | 3 9/16 | 0.205 | 7/16 | 23/32 | 3 5/16 | 1.1417 | 0.315 | 2 13/16 | 3/8 |
| 1 1/4 | ASPFL206-104 | | | | | | | | | | |
| 35 | ASPFL207 | 122 | 100 | 5.2 | 11 | 20 | 94 | 34 | 8.5 | 81 | M10 |
| 1 1/4 | ASPFL207-104 | | | | | | | | | | |
| 1 5/16 | ASPFL207-105 | | | | | | | | | | |
| 1 3/8 | ASPFL207-106 | 4 13/16 | 3 15/16 | 0.205 | 7/16 | 25/32 | 3 11/16 | 1.3386 | 0.335 | 3 3/16 | 3/8 |
| 1 7/16 | ASPFL207-107 | | | | | | | | | | |
| 40 | ASPFL208 | 148 | 119 | 6.8 | 13.5 | 21 | 100 | 38 | 9 | 91 | M12 |
| 1 1/2 | ASPFL208-108 | | | | | | | | | | |
| 1 9/16 | ASPFL208-109 | 5 53/64 | 4 11/16 | 0.268 | 17/32 | 53/64 | 3 15/16 | 1.4961 | 0.354 | 3 19/32 | 1/2 |

| Max. load (1) recommended N / lbf radial | axial | Bearing number | Housing number | Mass of unit kg / lb |
|---|---|---|---|---|
| 2 700 | 1 350 | AS201 | PFL203 | 0.2 |
| 600 | 300 | AS201-008 | PFL203 | 0.4 |
| 2 700 | 1 350 | AS202 | PFL203 | 0.2 |
| 600 | 300 | AS202-009 | PFL203 | 0.4 |
| | | AS202-010 | PFL203 | |
| 2 700 | 1 350 | AS203 | PFL203 | 0.2 |
| 600 | 300 | AS203-011 | PFL203 | 0.4 |
| 3 000 | 1 500 | AS204 | PFL204 | 0.2 |
| 660 | 330 | AS204-012 | PFL204 | 0.4 |
| 4 000 | 2 000 | AS205 | PFL205 | 0.3 |
| | | AS205-013 | PFL205 | |
| | | AS205-014 | PFL205 | |
| 880 | 440 | AS205-015 | PFL205 | 0.7 |
| | | AS205-100 | PFL205 | |
| 5 000 | 2 500 | AS206 | PFL206 | 0.4 |
| | | AS206-101 | PFL206 | |
| | | AS206-102 | PFL206 | |
| 1 100 | 550 | AS206-103 | PFL206 | 0.9 |
| | | AS206-104 | PFL206 | |
| 6 000 | 3 000 | AS207 | PFL207 | 0.6 |
| | | AS207-104 | PFL207 | |
| | | AS207-105 | PFL207 | |
| 1 300 | 650 | AS207-106 | PFL207 | 1.3 |
| | | AS207-107 | PFL207 | |
| 6 000 | 3 000 | AS208 | PFL208 | 0.8 |
| 1 300 | 650 | AS208-108 | PFL208 | 1.8 |
| | | AS208-109 | PFL208 | |

**Note** (1) The permissible load only applies in applications where the load is stable and the speed is 2400 $min^{-1}$ or less.

## Hanger unit, cast housing
## Set screw type



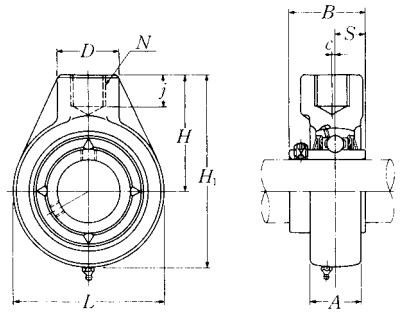

| Shaft dia. mm / inch | Unit number (1) | Nominal dimensions mm / inch | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | *L* | $H_1$ | *c* | *A* | *H* | *N* | *D* | *j* | *B* | *S* |
| 12 | **UCHB201D1** | 64 | 96 | 0 | 21 | 64 | Rp3/4 | 40 | 19 | 31 | 12.7 |
| 1/2 | **UCHB201-008D1** | 2 17/32 | 3 25/32 | 0 | 13/16 | 2 33/64 | Rp3/4 | 1 9/16 | 3/4 | 1.2205 | 0.500 |
| 15 | **UCHB202D1** | 64 | 96 | 0 | 21 | 64 | Rp3/4 | 40 | 19 | 31 | 12.7 |
| 9/16 | **UCHB202-009D1** | | | | | | | | | | |
| 5/8 | **UCHB202-010D1** | 2 17/32 | 3 25/32 | 0 | 13/16 | 2 33/64 | Rp3/4 | 1 9/16 | 3/4 | 1.2205 | 0.500 |
| 17 | **UCHB203D1** | 64 | 96 | 0 | 21 | 64 | Rp3/4 | 40 | 19 | 31 | 12.7 |
| 11/16 | **UCHB203-011D1** | 2 17/32 | 3 25/32 | 0 | 13/16 | 2 33/64 | Rp3/4 | 1 9/16 | 3/4 | 1.2205 | 0.500 |
| 20 | **UCHB204D1** | 64 | 96 | 0 | 21 | 64 | Rp3/4 | 40 | 19 | 31 | 12.7 |
| 3/4 | **UCHB204-012D1** | 2 17/32 | 3 25/32 | 0 | 13/16 | 2 33/64 | Rp3/4 | 1 9/16 | 3/4 | 1.2205 | 0.500 |
| 25 | **UCHB205D1** | 78 | 103 | 0 | 24 | 64 | Rp3/4 | 40 | 19 | 34.1 | 14.3 |
| 13/16 | **UCHB205-013D1** | | | | | | | | | | |
| 7/8 | **UCHB205-014D1** | | | | | | | | | | |
| 15/16 | **UCHB205-015D1** | 3 1/16 | 4 1/16 | 0 | 15/16 | 2 33/64 | Rp3/4 | 1 9/16 | 3/4 | 1.3425 | 0.563 |
| 1 | **UCHB205-100D1** | | | | | | | | | | |
| 30 | **UCHB206D1** | 78 | 103 | 0 | 28 | 64 | Rp3/4 | 40 | 19 | 38.1 | 15.9 |
| 1 1/16 | **UCHB206-101D1** | | | | | | | | | | |
| 1 1/8 | **UCHB206-102D1** | | | | | | | | | | |
| 1 3/16 | **UCHB206-103D1** | 3 1/16 | 4 1/16 | 0 | 1 3/32 | 2 33/64 | Rp3/4 | 1 9/16 | 3/4 | 1.5000 | 0.626 |
| 1 1/4 | **UCHB206-104D1** | | | | | | | | | | |
| 35 | **UCHB207D1** | 92 | 116 | 0 | 30 | 70 | Rp3/4 | 40 | 19 | 42.9 | 17.5 |
| 1 1/4 | **UCHB207-104D1** | | | | | | | | | | |
| 1 5/16 | **UCHB207-105D1** | | | | | | | | | | |
| 1 3/8 | **UCHB207-106D1** | 3 5/8 | 4 9/16 | 0 | 1 3/16 | 2 3/4 | Rp3/4 | 1 9/16 | 3/4 | 1.6890 | 0.689 |
| 1 7/16 | **UCHB207-107D1** | | | | | | | | | | |
| 40 | **UCHB208D1** | 96 | 121 | 2 | 33 | 73 | Rp3/4 | 40 | 19 | 49.2 | 19 |
| 1 1/2 | **UCHB208-108D1** | | | | | | | | | | |
| 1 9/16 | **UCHB208-109D1** | 3 25/32 | 4 3/4 | 3/32 | 1 5/16 | 2 7/8 | Rp3/4 | 1 9/16 | 3/4 | 1.9370 | 0.748 |

**Note** (1) These numbers indicate relubricatable type. If maintenance free type is needed, please order without suffix "D1".
**Remarks** Please refer to page **A21** for size of grease fitting.

| Nominal Designation of Thread *N* | Nominal dimensions mm | | | | |
|---|---|---|---|---|---|
| | Major Diameter of Internal Thread | Pitch Diameter | Minor Diameter of Internal Thread | Tolerances | Mounting Bolt size |
| Rp3/4 (PS3/4) | 26.441 | 25.279 | 24.117 | ±0.142 | R3/4 (PT3/4) |
| Rp1 (PS1) | 33.249 | 31.770 | 30.291 | ±0.181 | R1 (PT1) |
| Rp1 1/4 (PS1 1/4) | 41.910 | 40.431 | 38.952 | ±0.181 | R1 1/4 (PT1 1/4) |
| Rp1 1/2 (PS1 1/2) | 47.803 | 46.324 | 44.845 | ±0.181 | R1 1/2 (PT1 1/2) |

| Bearing number | Housing number | Mass of unit kg / lb |
|---|---|---|
| UC201D1 | HB204D1 | 1.0 |
| UC201-008D1 | HB204D1 | 2.2 |
| UC202D1 | HB204D1 | 0.9 |
| UC202-009D1 | HB204D1 | |
| UC202-010D1 | HB204D1 | 2.0 |
| UC203D1 | HB204D1 | 0.9 |
| UC203-011D1 | HB204D1 | 2.0 |
| UC204D1 | HB204D1 | 0.9 |
| UC204-012D1 | HB204D1 | 2.0 |
| UC205D1 | HB205D1 | 0.9 |
| UC205-013D1 | HB205D1 | |
| UC205-014D1 | HB205D1 | |
| UC205-015D1 | HB205D1 | 2.0 |
| UC205-100D1 | HB205D1 | |
| UC206D1 | HB206D1 | 0.8 |
| UC206-101D1 | HB206D1 | |
| UC206-102D1 | HB206D1 | |
| UC206-103D1 | HB206D1 | 1.8 |
| UC206-104D1 | HB206D1 | |
| UC207D1 | HB207D1 | 1.2 |
| UC207-104D1 | HB207D1 | |
| UC207-105D1 | HB207D1 | |
| UC207-106D1 | HB207D1 | 2.6 |
| UC207-107D1 | HB207D1 | |
| UC208D1 | HB208D1 | 1.3 |
| UC208-108D1 | HB208D1 | |
| UC208-109D1 | HB208D1 | 2.9 |

## Hanger unit, cast housing
## Set screw type



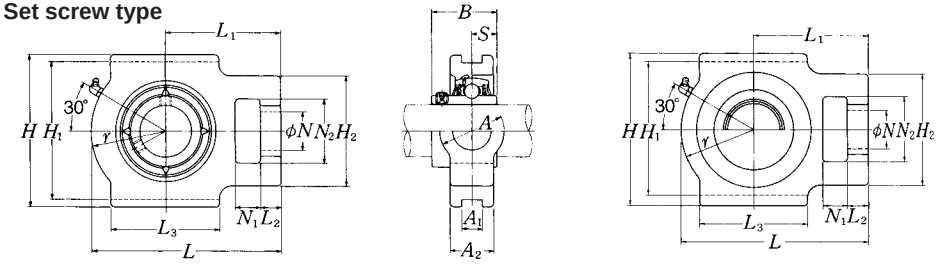

| Shaft dia. mm / inch | Unit number (1) | Nominal dimensions mm / inch | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | *L* | $H_1$ | *c* | *A* | *H* | *N* | *D* | *j* | *B* | *S* |
| 45 | **UCHB209D1** | 108 | 136 | 5 | 35 | 82 | Rp1 | 48 | 21 | 49.2 | 19 |
| 1 5/8 | **UCHB209-110D1** | | | | | | | | | | |
| 1 11/16 | **UCHB209-111D1** | 4 1/4 | 5 11/32 | 3/16 | 1 3/8 | 3 15/64 | Rp1 | 1 7/8 | 13/16 | 1.9370 | 0.748 |
| 1 3/4 | **UCHB209-112D1** | | | | | | | | | | |
| 50 | **UCHB210D1** | 118 | 142 | 5 | 37 | 83 | Rp1 | 48 | 21 | 51.6 | 19 |
| 1 13/16 | **UCHB210-113D1** | | | | | | | | | | |
| 1 7/8 | **UCHB210-114D1** | | | | | | | | | | |
| 1 15/16 | **UCHB210-115D1** | 4 21/32 | 5 19/32 | 3/16 | 1 15/32 | 3 17/64 | Rp1 | 1 7/8 | 13/16 | 2.0315 | 0.748 |
| 2 | **UCHB210-200D1** | | | | | | | | | | |
| 55 | **UCHB211D1** | 126 | 158 | 7 | 38 | 95 | Rp1 1/4 | 60 | 25 | 55.6 | 22.2 |
| 2 | **UCHB211-200D1** | | | | | | | | | | |
| 2 1/16 | **UCHB211-201D1** | | | | | | | | | | |
| 2 1/8 | **UCHB211-202D1** | 4 31/32 | 6 7/32 | 9/32 | 1 1/2 | 3 47/64 | Rp1 1/4 | 2 3/8 | 31/32 | 2.1890 | 0.874 |
| 2 3/16 | **UCHB211-203D1** | | | | | | | | | | |
| 60 | **UCHB212D1** | 142 | 173 | 9 | 42 | 102 | Rp1 1/4 | 60 | 28 | 65.1 | 25.4 |
| 2 1/4 | **UCHB212-204D1** | | | | | | | | | | |
| 2 5/16 | **UCHB212-205D1** | | | | | | | | | | |
| 2 3/8 | **UCHB212-206D1** | 5 19/32 | 6 13/16 | 11/32 | 1 21/32 | 4 1/64 | Rp1 1/4 | 2 3/8 | 1 3/32 | 2.5630 | 1.000 |
| 2 7/16 | **UCHB212-207D1** | | | | | | | | | | |
| 65 | **UCHB213D1** | 166 | 200 | 9.5 | 44 | 117 | Rp1 1/2 | 70 | 32 | 65.1 | 25.4 |
| 2 1/2 | **UCHB213-208D1** | 6 17/32 | 7 7/8 | 3/8 | 1 23/32 | 4 39/64 | Rp1 1/2 | 2 3/4 | 1 1/4 | 2.5630 | 1.000 |

| Bearing number | Housing number | Mass of unit kg / lb |
|---|---|---|
| UC209D1 | HB209D1 | 1.8 |
| UC209-110D1 | HB209D1 | |
| UC209-111D1 | HB209D1 | 4.0 |
| UC209-112D1 | HB209D1 | |
| UC210D1 | HB210D1 | 2.2 |
| UC210-113D1 | HB210D1 | |
| UC210-114D1 | HB210D1 | |
| UC210-115D1 | HB210D1 | 4.9 |
| UC210-200D1 | HB210D1 | |
| UC211D1 | HB211D1 | 2.8 |
| UC211-200D1 | HB211D1 | |
| UC211-201D1 | HB211D1 | |
| UC211-202D1 | HB211D1 | 6.2 |
| UC211-203D1 | HB211D1 | |
| UC212D1 | HB212D1 | 3.7 |
| UC212-204D1 | HB212D1 | |
| UC212-205D1 | HB212D1 | |
| UC212-206D1 | HB212D1 | 8.2 |
| UC212-207D1 | HB212D1 | |
| UC213D1 | HB213D1 | 5.7 |
| UC213-208D1 | HB213D1 | 13 |

**Note** (1) These numbers indicate relubricatable type. If maintenance free type is needed, please order without suffix "D1".
**Remarks** Please refer to page **A21** for size of grease fitting.

| Nominal Designation of Thread *N* | Nominal dimensions mm | | | | |
|---|---|---|---|---|---|
| | Major Diameter of Internal Thread | Pitch Diameter | Minor Diameter of Internal Thread | Tolerances | Mounting Bolt size |
| Rp3/4 (PS3/4) | 26.441 | 25.279 | 24.117 | ±0.142 | R3/4 (PT3/4) |
| Rp1 (PS1) | 33.249 | 31.770 | 30.291 | ±0.181 | R1 (PT1) |
| Rp1 1/4 (PS1 1/4) | 41.910 | 40.431 | 38.952 | ±0.181 | R1 1/4 (PT1 1/4) |
| Rp1 1/2 (PS1 1/2) | 47.803 | 46.324 | 44.845 | ±0.181 | R1 1/2 (PT1 1/2) |

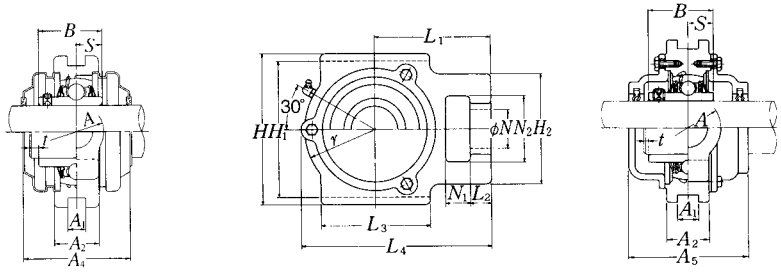
## Take-up unit, cast housing
## Set screw type




**Pressed steel dust cover type**
Open end **Z-UCT···D1**
Closed end **ZM-UCT···D1**

| Shaft dia. mm / inch | Unit number (1) | Nominal dimensions mm / inch | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | $N_1$ | $L_2$ | $H_2$ | $N_2$ | $N$ | $L_3$ | $A_1$ | $H_1$ | $H$ | $L$ | $A_2$ | $A$ | $r$ | $L_1$ | $B$ | $S$ |
| 12 | UCT201D1 | 16 | 12 | 51 | 32 | 19 | 51 | 12 | 76 | 89 | 94 | 21 | 32 | 33 | 61 | 31 | 12.7 |
| 1/2 | UCT201-008D1 | 5/8 | 15/32 | 2 | 1 1/4 | 3/4 | 2 | 0.472 | 2 63/64 | 3 1/2 | 3 11/16 | 13/16 | 1 1/4 | 1 5/16 | 2 13/32 | 1.2205 | 0.500 |
| 15 | UCT202D1 | 16 | 12 | 51 | 32 | 19 | 51 | 12 | 76 | 89 | 94 | 21 | 32 | 33 | 61 | 31 | 12.7 |
| 9/16 | UCT202-009D1 | | | | | | | | | | | | | | | | |
| 5/8 | UCT202-010D1 | 5/8 | 15/32 | 2 | 1 1/4 | 3/4 | 2 | 0.472 | 2 63/64 | 3 1/2 | 3 11/16 | 13/16 | 1 1/4 | 1 5/16 | 2 13/32 | 1.2205 | 0.500 |
| 17 | UCT203D1 | 16 | 12 | 51 | 32 | 19 | 51 | 12 | 76 | 89 | 94 | 21 | 32 | 33 | 61 | 31 | 12.7 |
| 11/16 | UCT203-011D1 | 5/8 | 15/32 | 2 | 1 1/4 | 3/4 | 2 | 0.472 | 2 63/64 | 3 1/2 | 3 11/16 | 13/16 | 1 1/4 | 1 5/16 | 2 13/32 | 1.2205 | 0.500 |
| 20 | UCT204D1 | 16 | 12 | 51 | 32 | 19 | 51 | 12 | 76 | 89 | 94 | 21 | 32 | 33 | 61 | 31 | 12.7 |
| 3/4 | UCT204-012D1 | 5/8 | 15/32 | 2 | 1 1/4 | 3/4 | 2 | 0.472 | 2 63/64 | 3 1/2 | 3 11/16 | 13/16 | 1 1/4 | 1 5/16 | 2 13/32 | 1.2205 | 0.500 |
| 25 | UCT205D1 | 16 | 12 | 51 | 32 | 19 | 51 | 12 | 76 | 89 | 97 | 24 | 32 | 35 | 62 | 34.1 | 14.3 |
| 13/16 | UCT205-013D1 | | | | | | | | | | | | | | | | |
| 7/8 | UCT205-014D1 | | | | | | | | | | | | | | | | |
| 15/16 | UCT205-015D1 | 5/8 | 15/32 | 2 | 1 1/4 | 3/4 | 2 | 0.472 | 2 63/64 | 3 1/2 | 3 13/16 | 15/16 | 1 1/4 | 1 3/8 | 2 7/16 | 1.3425 | 0.563 |
| 1 | UCT205-100D1 | | | | | | | | | | | | | | | | |
| 30 | UCT206D1 | 16 | 12 | 56 | 37 | 22 | 57 | 12 | 89 | 102 | 113 | 28 | 37 | 43 | 70 | 38.1 | 15.9 |
| 1 1/16 | UCT206-101D1 | | | | | | | | | | | | | | | | |
| 1 1/8 | UCT206-102D1 | | | | | | | | | | | | | | | | |
| 1 3/16 | UCT206-103D1 | 5/8 | 15/32 | 2 7/32 | 1 15/32 | 7/8 | 2 1/4 | 0.472 | 3 1/2 | 4 1/32 | 4 7/16 | 1 3/32 | 1 15/32 | 1 11/16 | 2 3/4 | 1.5000 | 0.626 |
| 1 1/4 | UCT206-104D1 | | | | | | | | | | | | | | | | |
| 35 | UCT207D1 | 16 | 15 | 64 | 37 | 22 | 64 | 12 | 89 | 102 | 129 | 30 | 37 | 51 | 78 | 42.9 | 17.5 |
| 1 1/4 | UCT207-104D1 | | | | | | | | | | | | | | | | |
| 1 5/16 | UCT207-105D1 | | | | | | | | | | | | | | | | |
| 1 3/8 | UCT207-106D1 | 5/8 | 19/32 | 2 17/32 | 1 15/32 | 7/8 | 2 17/32 | 0.472 | 3 1/2 | 4 1/32 | 5 3/32 | 1 3/16 | 1 15/32 | 2 | 3 1/16 | 1.6890 | 0.689 |
| 1 7/16 | UCT207-107D1 | | | | | | | | | | | | | | | | |
| 40 | UCT208D1 | 19 | 18 | 83 | 49 | 29 | 83 | 16 | 102 | 114 | 144 | 33 | 49 | 56 | 88 | 49.2 | 19 |
| 1 1/2 | UCT208-108D1 | | | | | | | | | | | | | | | | |
| 1 9/16 | UCT208-109D1 | 3/4 | 23/32 | 3 9/32 | 1 15/16 | 1 5/32 | 3 9/32 | 0.630 | 4 1/64 | 4 1/2 | 5 21/32 | 1 5/16 | 1 15/16 | 2 7/32 | 3 15/32 | 1.9370 | 0.748 |

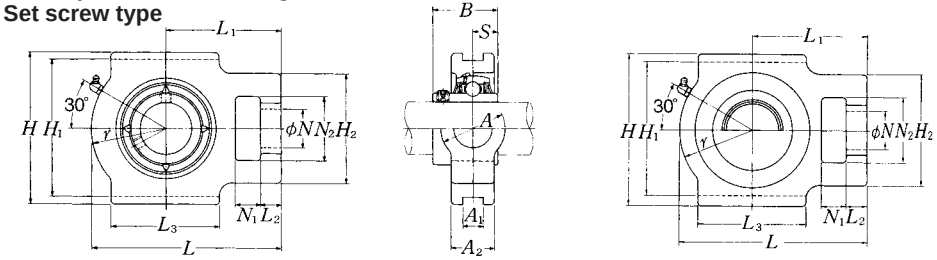
**Note** (1) These numbers indicate relubricatable type. If maintenance free type is needed, please order without suffix "D1".
**Remarks** Please refer to page **A21** for size of grease fitting.




**Cast dust cover type**
Open end **C-UCT···D1**
Closed end **CM-UCT···D1**

| Bearing number | Housing number | Unit number (1) pressed steel dust cover type | Unit number (1) cast dust cover type | Nominal dimensions mm / inch | | | | Mass of unit kg / lb | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | $t$ max. | $A_4$ | $L_4$ | $A_5$ | UCT | Z(ZM) | C(CM) |
| UC201D1 | T204D1 | Z(ZM)-UCT201D1 | C(CM)-UCT201D1 | 2 | 45 | 97 | 62 | 0.6 | 0.8 | 1.1 |
| UC201-008D1 | T204D1 | Z(ZM)-UCT201-008D1 | C(CM)-UCT201-008D1 | 5/64 | 1 25/32 | 3 13/16 | 2 7/16 | 1.3 | 1.8 | 2.4 |
| UC202D1 | T204D1 | Z(ZM)-UCT202D1 | C(CM)-UCT202D1 | 2 | 45 | 97 | 62 | 0.6 | 0.8 | 1.1 |
| UC202-009D1 | T204D1 | Z(ZM)-UCT202-009D1 | C(CM)-UCT202-009D1 | | | | | | | |
| UC202-010D1 | T204D1 | Z(ZM)-UCT202-010D1 | C(CM)-UCT202-010D1 | 5/64 | 1 25/32 | 3 13/16 | 2 7/16 | 1.3 | 1.8 | 2.4 |
| UC203D1 | T204D1 | Z(ZM)-UCT203D1 | C(CM)-UCT203D1 | 2 | 45 | 97 | 62 | 0.6 | 0.8 | 1.0 |
| UC203-011D1 | T204D1 | Z(ZM)-UCT203-011D1 | C(CM)-UCT203-011D1 | 5/64 | 1 35/32 | 3 13/16 | 2 7/16 | 1.3 | 1.8 | 2.2 |
| UC204D1 | T204D1 | Z(ZM)-UCT204D1 | C(CM)-UCT204D1 | 2 | 45 | 97 | 62 | 0.6 | 0.8 | 1.0 |
| UC204-012D1 | T204D1 | Z(ZM)-UCT204-012D1 | C(CM)-UCT204-012D1 | 5/64 | 1 25/32 | 3 13/16 | 2 7/16 | 1.3 | 1.8 | 2.2 |
| UC205D1 | T205D1 | Z(ZM)-UCT205D1 | C(CM)-UCT205D1 | 2 | 48 | 100.5 | 70 | 0.8 | 0.9 | 1.1 |
| UC205-013D1 | T205D1 | Z(ZM)-UCT205-013D1 | C(CM)-UCT205-013D1 | | | | | | | |
| UC205-014D1 | T205D1 | Z(ZM)-UCT205-014D1 | C(CM)-UCT205-014D1 | | | | | | | |
| UC205-015D1 | T205D1 | Z(ZM)-UCT205-015D1 | C(CM)-UCT205-015D1 | 5/64 | 1 29/32 | 3 31/32 | 2 3/4 | 1.8 | 2.0 | 2.4 |
| UC205-100D1 | T205D1 | Z(ZM)-UCT205-100D1 | C(CM)-UCT205-100D1 | | | | | | | |
| UC206D1 | T206D1 | Z(ZM)-UCT206D1 | C(CM)-UCT206D1 | 2 | 53 | 113.5 | 75 | 1.3 | 1.3 | 1.7 |
| UC206-101D1 | T206D1 | Z(ZM)-UCT206-101D1 | C(CM)-UCT206-101D1 | | | | | | | |
| UC206-102D1 | T206D1 | Z(ZM)-UCT206-102D1 | C(CM)-UCT206-102D1 | | | | | | | |
| UC206-103D1 | T206D1 | Z(ZM)-UCT206-103D1 | C(CM)-UCT206-103D1 | 5/64 | 2 3/32 | 4 15/32 | 2 15/16 | 2.9 | 2.9 | 3.7 |
| UC206-104D1 | T206D1 | – | C(CM)-UCT206-104D1 | | | | | | | |
| UC207D1 | T207D1 | Z(ZM)-UCT207D1 | C(CM)-UCT207D1 | 3 | 60 | 129 | 80 | 1.6 | 1.7 | 2.1 |
| UC207-104D1 | T207D1 | Z(ZM)-UCT207-104D1 | C(CM)-UCT207-104D1 | | | | | | | |
| UC207-105D1 | T207D1 | Z(ZM)-UCT207-105D1 | C(CM)-UCT207-105D1 | | | | | | | |
| UC207-106D1 | T207D1 | Z(ZM)-UCT207-106D1 | C(CM)-UCT207-106D1 | 1/8 | 2 11/32 | 5 3/32 | 3 5/32 | 3.5 | 3.7 | 4.6 |
| UC207-107D1 | T207D1 | – | C(CM)-UCT207-107D1 | | | | | | | |
| UC208D1 | T208D1 | Z(ZM)-UCT208D1 | C(CM)-UCT208D1 | 3 | 69 | 144 | 90 | 2.4 | 2.5 | 3.1 |
| UC208-108D1 | T208D1 | Z(ZM)-UCT208-108D1 | C(CM)-UCT208-108D1 | | | | | | | |
| UC208-109D1 | T208D1 | Z(ZM)-UCT208-109D1 | C(CM)-UCT208-109D1 | 1/8 | 2 23/32 | 5 21/32 | 3 17/32 | 5.3 | 5.5 | 6.8 |

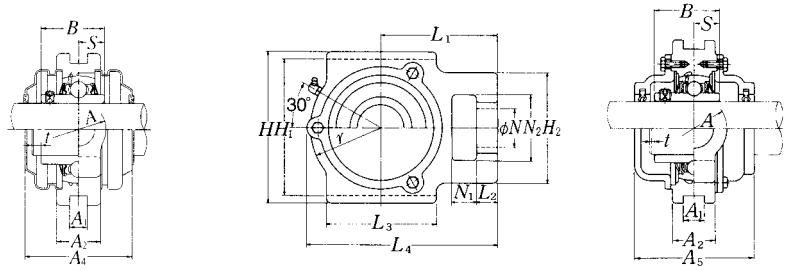
## Take-up unit, cast housing
## Set screw type




**Pressed steel dust cover type**
Open end **Z-UCT···D1**
Closed end **ZM-UCT···D1**

| Shaft dia. mm / inch | Unit number (1) | Nominal dimensions mm / inch | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | $N_1$ | $L_2$ | $H_2$ | $N_2$ | $N$ | $L_3$ | $A_1$ | $H_1$ | $H$ | $L$ | $A_2$ | $A$ | $r$ | $L_1$ | $B$ | $S$ |
| 45 | UCT209D1 | 19 | 18 | 83 | 49 | 29 | 83 | 16 | 102 | 117 | 145 | 35 | 49 | 57 | 88 | 49.2 | 19 |
| 1 5/8 | UCT209-110D1 | | | | | | | | | | | | | | | | |
| 1 11/16 | UCT209-111D1 | 3/4 | 23/32 | 3 9/32 | 1 15/16 | 1 5/32 | 3 9/32 | 0.630 | 4 1/64 | 4 19/32 | 5 23/32 | 1 3/8 | 1 15/16 | 2 1/4 | 3 15/32 | 1.9370 | 0.748 |
| 1 3/4 | UCT209-112D1 | | | | | | | | | | | | | | | | |
| 50 | UCT210D1 | 19 | 18 | 83 | 49 | 29 | 86 | 16 | 102 | 117 | 151 | 37 | 49 | 59 | 92 | 51.6 | 19 |
| 1 13/16 | UCT210-113D1 | | | | | | | | | | | | | | | | |
| 1 7/8 | UCT210-114D1 | 3/4 | 23/32 | 3 9/32 | 1 15/16 | 1 5/32 | 3 3/8 | 0.630 | 4 1/64 | 4 19/32 | 5 15/16 | 1 15/32 | 1 15/16 | 2 5/16 | 3 5/8 | 2.0315 | 0.748 |
| 1 15/16 | UCT210-115D1 | | | | | | | | | | | | | | | | |
| 2 | UCT210-200D1 | | | | | | | | | | | | | | | | |
| 55 | UCT211D1 | 25 | 21 | 102 | 64 | 35 | 95 | 22 | 130 | 146 | 171 | 38 | 64 | 65 | 106 | 55.6 | 22.2 |
| 2 | UCT211-200D1 | | | | | | | | | | | | | | | | |
| 2 1/16 | UCT211-201D1 | 31/32 | 13/16 | 4 1/32 | 2 17/32 | 1 3/8 | 3 3/4 | 0.866 | 5 1/8 | 5 3/4 | 6 23/32 | 1 1/2 | 2 17/32 | 2 9/16 | 4 3/16 | 2.1890 | 0.874 |
| 2 1/8 | UCT211-202D1 | | | | | | | | | | | | | | | | |
| 2 3/16 | UCT211-203D1 | | | | | | | | | | | | | | | | |
| 60 | UCT212D1 | 32 | 21 | 102 | 64 | 35 | 102 | 22 | 130 | 146 | 194 | 42 | 64 | 75 | 119 | 65.1 | 25.4 |
| 2 1/4 | UCT212-204D1 | | | | | | | | | | | | | | | | |
| 2 5/16 | UCT212-205D1 | 1 1/4 | 13/16 | 4 1/32 | 2 17/32 | 1 3/8 | 4 1/32 | 0.866 | 5 1/8 | 5 3/4 | 7 5/8 | 1 21/32 | 2 17/32 | 2 15/16 | 4 11/16 | 2.5630 | 1.000 |
| 2 3/8 | UCT212-206D1 | | | | | | | | | | | | | | | | |
| 2 7/16 | UCT212-207D1 | | | | | | | | | | | | | | | | |
| 65 | UCT213D1 | 32 | 23 | 111 | 70 | 41 | 121 | 26 | 151 | 167 | 224 | 44 | 70 | 87 | 137 | 65.1 | 25.4 |
| 2 1/2 | UCT213-208D1 | 1 1/4 | 29/32 | 4 3/8 | 2 3/4 | 1 5/8 | 4 3/4 | 1.024 | 5 15/16 | 6 9/16 | 8 13/16 | 1 23/32 | 2 3/4 | 3 7/16 | 5 13/32 | 2.5630 | 1.000 |
| 2 9/16 | UCT213-209D1 | | | | | | | | | | | | | | | | |
| 70 | UCT214D1 | 32 | 23 | 111 | 70 | 41 | 121 | 26 | 151 | 167 | 224 | 46 | 70 | 87 | 137 | 74.6 | 30.2 |
| 2 5/8 | UCT214-210D1 | | | | | | | | | | | | | | | | |
| 2 11/16 | UCT214-211D1 | 1 1/4 | 29/32 | 4 3/8 | 2 3/4 | 1 5/8 | 4 3/4 | 1.024 | 5 15/16 | 6 9/16 | 8 13/16 | 1 13/16 | 2 3/4 | 3 7/16 | 5 13/32 | 2.9370 | 1.189 |
| 2 3/4 | UCT214-212D1 | | | | | | | | | | | | | | | | |

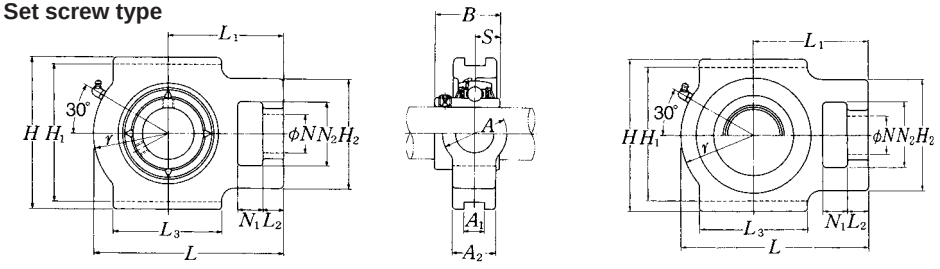
**Note** (1) These numbers indicate relubricatable type. If maintenance free type is needed, please order without suffix "D1".
**Remarks** Please refer to page **A21** for size of grease fitting.




**Cast dust cover type**
Open end **C-UCT···D1**
Closed end **CM-UCT···D1**

| Bearing number | Housing number | Unit number (1) pressed steel dust cover type | Unit number (1) cast dust cover type | Nominal dimensions mm / inch | | | | Mass of unit kg / lb | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | $t$ max. | $A_4$ | $L_4$ | $A_5$ | UCT | Z(ZM) | C(CM) |
| UC209D1 | T209D1 | Z(ZM)-UCT209D1 | C(CM)-UCT209D1 | 3 | 69 | 145.5 | 95 | 2.4 | 2.5 | 3.3 |
| UC209-110D1 | T209D1 | Z(ZM)-UCT209-110D1 | C(CM)-UCT209-110D1 | | | | | | | |
| UC209-111D1 | T209D1 | Z(ZM)-UCT209-111D1 | C(CM)-UCT209-111D1 | 1/8 | 2 23/32 | 5 23/32 | 3 3/4 | 5.3 | 5.5 | 7.3 |
| UC209-112D1 | T209D1 | Z(ZM)-UCT209-112D1 | C(CM)-UCT209-112D1 | | | | | | | |
| UC210D1 | T210D1 | Z(ZM)-UCT210D1 | C(CM)-UCT210D1 | 3 | 76 | 152 | 100 | 2.6 | 2.7 | 3.6 |
| UC210-113D1 | T210D1 | Z(ZM)-UCT210-113D1 | C(CM)-UCT210-113D1 | | | | | | | |
| UC210-114D1 | T210D1 | Z(ZM)-UCT210-114D1 | C(CM)-UCT210-114D1 | 1/8 | 3 | 5 31/32 | 3 15/16 | 5.7 | 6.0 | 7.9 |
| UC210-115D1 | T210D1 | Z(ZM)-UCT210-115D1 | C(CM)-UCT210-115D1 | | | | | | | |
| UC210-200D1 | T210D1 | – | C(CM)-UCT210-200D1 | | | | | | | |
| UC211D1 | T211D1 | Z(ZM)-UCT211D1 | C(CM)-UCT211D1 | 4 | 77 | 171.5 | 100 | 3.9 | 4.1 | 5.0 |
| UC211-200D1 | T211D1 | Z(ZM)-UCT211-200D1 | C(CM)-UCT211-200D1 | | | | | | | |
| UC211-201D1 | T211D1 | Z(ZM)-UCT211-201D1 | C(CM)-UCT211-201D1 | | | | | | | |
| UC211-202D1 | T211D1 | Z(ZM)-UCT211-202D1 | C(CM)-UCT211-202D1 | 5/32 | 3 1/32 | 6 3/4 | 3 15/16 | 8.6 | 9.0 | 11 |
| UC211-203D1 | T211D1 | Z(ZM)-UCT211-203D1 | C(CM)-UCT211-203D1 | | | | | | | |
| UC212D1 | T212D1 | Z(ZM)-UCT212D1 | C(CM)-UCT212D1 | 4 | 89 | 194 | 115 | 4.8 | 5.1 | 6.1 |
| UC212-204D1 | T212D1 | Z(ZM)-UCT212-204D1 | C(CM)-UCT212-204D1 | | | | | | | |
| UC212-205D1 | T212D1 | Z(ZM)-UCT212-205D1 | C(CM)-UCT212-205D1 | | | | | | | |
| UC212-206D1 | T212D1 | Z(ZM)-UCT212-206D1 | C(CM)-UCT212-206D1 | 5/32 | 3 1/2 | 7 5/8 | 4 17/32 | 11 | 11 | 13 |
| UC212-207D1 | T212D1 | – | C(CM)-UCT212-207D1 | | | | | | | |
| UC213D1 | T213D1 | Z(ZM)-UCT213D1 | C(CM)-UCT213D1 | 4 | 91 | 224 | 120 | 7.0 | 7.3 | 8.4 |
| UC213-208D1 | T213D1 | Z(ZM)-UCT213-208D1 | C(CM)-UCT213-208D1 | | | | | | | |
| UC213-209D1 | T213D1 | Z(ZM)-UCT213-209D1 | C(CM)-UCT213-209D1 | 5/32 | 3 19/32 | 8 13/16 | 4 23/32 | 15 | 16 | 19 |
| UC214D1 | T214D1 | – | C(CM)-UCT214D1 | 4 | – | 224 | 135 | 7.0 | – | 9.1 |
| UC214-210D1 | T214D1 | | C(CM)-UCT214-201D1 | | | | | | | |
| UC214-211D1 | T214D1 | – | C(CM)-UCT214-211D1 | 5/32 | – | 8 13/16 | 5 5/16 | 15 | – | 20 |
| UC214-212D1 | T214D1 | | C(CM)-UCT214-212D1 | | | | | | | |

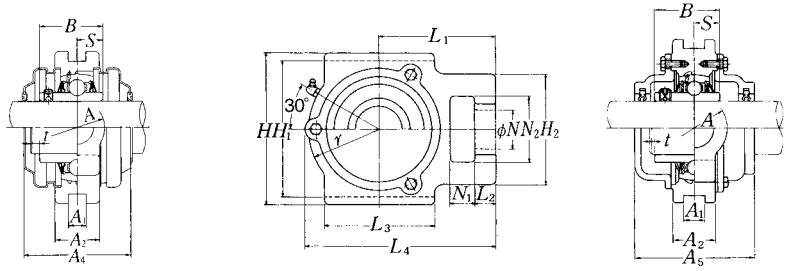
## Take-up unit, cast housing
## Set screw type




Pressed steel dust cover type
Open end **Z-UCT···D1**
Closed end **ZM-UCT···D1**

| Shaft dia. mm inch | Unit number (1) | Nominal dimensions mm inch | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | $N_1$ | $L_2$ | $H_2$ | $N_2$ | $N$ | $L_3$ | $A_1$ | $H_1$ | $H$ | $L$ | $A_2$ | $A$ | $r$ | $L_1$ | $B$ | $S$ |
| 75 | **UCT215D1** | 32 | 23 | 111 | 70 | 41 | 121 | 26 | 151 | 167 | 232 | 48 | 70 | 92 | 140 | 77.8 | 33.3 |
| $2\frac{13}{16}$ | **UCT215-213D1** | | | | | | | | | | | | | | | | |
| $2\frac{7}{8}$ | **UCT215-214D1** | $1\frac{1}{4}$ | $\frac{29}{32}$ | $4\frac{3}{8}$ | $2\frac{3}{4}$ | $1\frac{5}{8}$ | $4\frac{3}{4}$ | 1.024 | $5\frac{15}{16}$ | $6\frac{9}{16}$ | $9\frac{1}{8}$ | $1\frac{7}{8}$ | $2\frac{3}{4}$ | $3\frac{5}{8}$ | $5\frac{1}{2}$ | 3.0630 | 1.311 |
| $2\frac{15}{16}$ | **UCT215-215D1** | | | | | | | | | | | | | | | | |
| 3 | **UCT215-300D1** | | | | | | | | | | | | | | | | |
| 80 | **UCT216D1** | 32 | 23 | 111 | 70 | 41 | 121 | 26 | 165 | 184 | 235 | 51 | 70 | 95 | 140 | 82.6 | 33.3 |
| $3\frac{1}{16}$ | **UCT216-301D1** | | | | | | | | | | | | | | | | |
| $3\frac{1}{8}$ | **UCT216-302D1** | $1\frac{1}{4}$ | $\frac{29}{32}$ | $4\frac{3}{8}$ | $2\frac{3}{4}$ | $1\frac{5}{8}$ | $4\frac{3}{4}$ | 1.024 | $6\frac{1}{2}$ | $7\frac{1}{4}$ | $9\frac{1}{4}$ | 2 | $2\frac{3}{4}$ | $3\frac{3}{4}$ | $5\frac{1}{2}$ | 3.2520 | 1.311 |
| $3\frac{3}{16}$ | **UCT216-303D1** | | | | | | | | | | | | | | | | |
| 85 | **UCT217D1** | 38 | 31 | 124 | 73 | 48 | 157 | 30 | 173 | 198 | 260 | 54 | 73 | 98 | 162 | 85.7 | 34.1 |
| $3\frac{1}{4}$ | **UCT217-304D1** | | | | | | | | | | | | | | | | |
| $3\frac{5}{16}$ | **UCT217-305D1** | $1\frac{1}{2}$ | $1\frac{7}{32}$ | $4\frac{7}{8}$ | $2\frac{7}{8}$ | $1\frac{7}{8}$ | $6\frac{3}{16}$ | 1.181 | $6\frac{13}{16}$ | $7\frac{25}{32}$ | $10\frac{1}{4}$ | $2\frac{1}{8}$ | $2\frac{7}{8}$ | $3\frac{27}{32}$ | $6\frac{3}{8}$ | 3.3740 | 1.343 |
| $3\frac{7}{16}$ | **UCT217-307D1** | | | | | | | | | | | | | | | | |

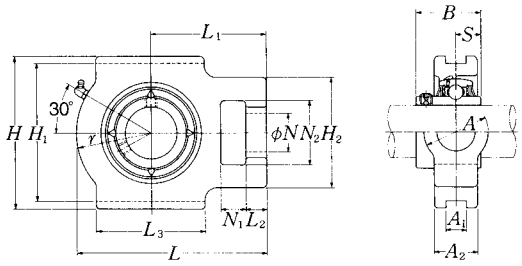
**Note** (1) These numbers indicate relubricatable type. If maintenance free type is needed, please order without suffix "D1".
**Remarks** Please refer to page **A21** for size of grease fitting.

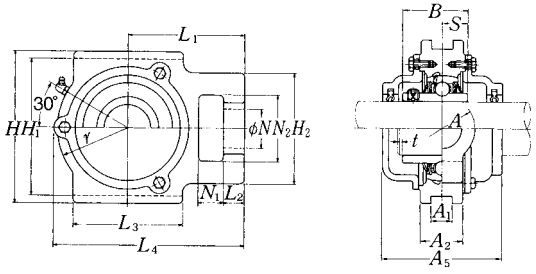



Cast dust cover type
Open end **C-UCT···D1**
Closed end **CM-UCT···D1**

| Bearing number | Housing number | Unit nunber (1) pressed steel dust cover type | Unit number (1) cast dust cover type | Nominal dimensions mm inch | | | | Mass of unit kg lb | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | $t$ max. | $A_4$ | $L_4$ | $A_5$ | UCT | Z(ZM) | C(CM) |
| UC215D1 | T215D1 | – | **C(CM)-UCT215D1** | 4 | – | 232 | 135 | 7.4 | – | 9.8 |
| UC215-213D1 | T215D1 | | **C(CM)-UCT215-213D1** | | | | | | | |
| UC215-214D1 | T215D1 | – | **C(CM)-UCT215-214D1** | $\frac{5}{32}$ | – | $9\frac{1}{8}$ | $5\frac{5}{16}$ | 16 | – | 22 |
| UC215-215D1 | T215D1 | | **C(CM)-UCT215-215D1** | | | | | | | |
| UC215-300D1 | T215D1 | | **C(CM)-UCT215-300D1** | | | | | | | |
| UC216D1 | T216D1 | – | **C(CM)-UCT216D1** | 4 | – | 235 | 145 | 8.2 | – | 11 |
| UC216-301D1 | T216D1 | | **C(CM)-UCT216-301D1** | | | | | | | |
| UC216-302D1 | T216D1 | – | **C(CM)-UCT216-302D1** | $\frac{5}{32}$ | – | $9\frac{1}{4}$ | $5\frac{23}{32}$ | 18 | – | 24 |
| UC216-303D1 | T216D1 | | **C(CM)-UCT216-303D1** | | | | | | | |
| UC217D1 | T217D1 | – | **C(CM)-UCT217D1** | 5 | – | 260 | 155 | 11 | – | 14 |
| UC217-304D1 | T217D1 | | **C(CM)-UCT217-304D1** | | | | | | | |
| UC217-305D1 | T217D1 | – | **C(CM)-UCT217-305D1** | $\frac{13}{64}$ | – | $10\frac{1}{4}$ | $6\frac{3}{32}$ | 24 | – | 31 |
| UC217-307D1 | T217D1 | | **C(CM)-UCT217-307D1** | | | | | | | |

## Take-up unit, cast housing
## Set screw type



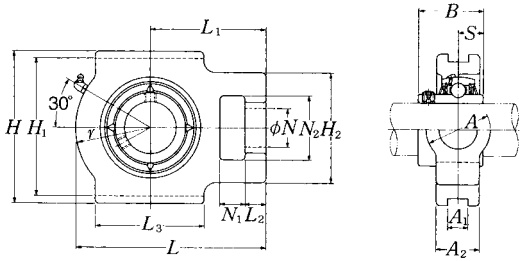

**Cast dust cover type**
Open end **C-UCT···D1**
Closed end **CM-UCT···D1**

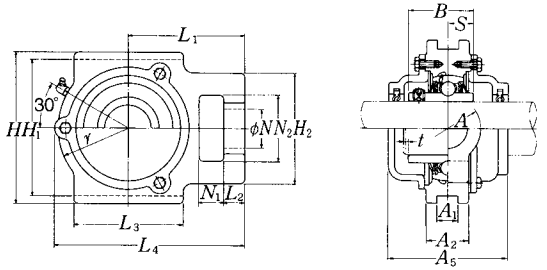
| Shaft dia. mm / inch | Unit number (1) | Nominal dimensions mm / inch | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | $N_1$ | $L_2$ | $H_2$ | $N_2$ | $N$ | $L_3$ | $A_1$ | $H_1$ | $H$ | $L$ | $A_2$ | $A$ | $r$ | $L_1$ | $B$ | $S$ |
| **25** | **UCT305D1** | 16 | 14 | 62 | 36 | 26 | 65 | 12 | 80 | 89 | 122 | 26 | 36 | 46 | 76 | 38 | 15 |
| 13/16 | **UCT305-013D1** | | | | | | | | | | | | | | | | |
| 7/8 | **UCT305-014D1** | 5/8 | 9/16 | 2 7/16 | 1 13/32 | 1 1/32 | 2 9/16 | 0.472 | 3 5/32 | 3 1/2 | 4 13/16 | 1 1/32 | 1 13/32 | 1 13/16 | 3 | 1.4961 | 0.591 |
| 15/16 | **UCT305-015D1** | | | | | | | | | | | | | | | | |
| 1 | **UCT305-100D1** | | | | | | | | | | | | | | | | |
| **30** | **UCT306D1** | 18 | 16 | 70 | 41 | 28 | 74 | 16 | 90 | 100 | 137 | 28 | 41 | 52 | 85 | 43 | 17 |
| 1 1/16 | **UCT306-101D1** | | | | | | | | | | | | | | | | |
| 1 1/8 | **UCT306-102D1** | 23/32 | 5/8 | 2 3/4 | 1 5/8 | 1 3/32 | 2 29/32 | 0.630 | 3 35/64 | 3 15/16 | 5 13/32 | 1 3/32 | 1 5/8 | 2 1/16 | 3 11/32 | 1.6929 | 0.669 |
| 1 3/16 | **UCT306-103D1** | | | | | | | | | | | | | | | | |
| **35** | **UCT307D1** | 20 | 17 | 75 | 45 | 30 | 80 | 16 | 100 | 111 | 150 | 32 | 45 | 56 | 94 | 48 | 19 |
| 1 1/4 | **UCT307-104D1** | | | | | | | | | | | | | | | | |
| 1 5/16 | **UCT307-105D1** | 25/32 | 21/32 | 2 15/16 | 1 25/32 | 1 3/16 | 3 5/32 | 0.630 | 3 15/16 | 4 3/8 | 5 29/32 | 1 1/4 | 1 25/32 | 2 7/32 | 3 11/16 | 1.8898 | 0.748 |
| 1 3/8 | **UCT307-106D1** | | | | | | | | | | | | | | | | |
| 1 7/16 | **UCT307-107D1** | | | | | | | | | | | | | | | | |
| **40** | **UCT308D1** | 22 | 19 | 83 | 50 | 32 | 89 | 18 | 112 | 124 | 162 | 34 | 50 | 62 | 100 | 52 | 19 |
| 1 1/2 | **UCT308-108D1** | 7/8 | 3/4 | 3 9/32 | 1 31/32 | 1 1/4 | 3 1/2 | 0.709 | 4 13/32 | 4 7/8 | 6 3/8 | 1 11/32 | 1 31/32 | 2 7/16 | 3 15/16 | 2.0472 | 0.748 |
| 1 9/16 | **UCT308-109D1** | | | | | | | | | | | | | | | | |
| **45** | **UCT309D1** | 24 | 20 | 90 | 55 | 34 | 97 | 18 | 125 | 138 | 178 | 38 | 55 | 68 | 110 | 57 | 22 |
| 1 5/8 | **UCT309-110D1** | | | | | | | | | | | | | | | | |
| 1 11/16 | **UCT309-111D1** | 15/16 | 25/32 | 3 17/32 | 2 5/32 | 1 11/32 | 3 13/16 | 0.709 | 4 59/64 | 5 7/16 | 7 | 1 1/2 | 2 5/32 | 2 11/16 | 4 11/32 | 2.2441 | 0.866 |
| 1 3/4 | **UCT309-112D1** | | | | | | | | | | | | | | | | |
| **50** | **UCT310D1** | 27 | 22 | 98 | 61 | 37 | 106 | 20 | 140 | 151 | 192 | 40 | 61 | 74 | 118 | 61 | 22 |
| 1 13/16 | **UCT310-113D1** | | | | | | | | | | | | | | | | |
| 1 7/8 | **UCT310-114D1** | 1 1/16 | 7/8 | 3 27/32 | 2 13/32 | 1 15/32 | 4 3/16 | 0.787 | 5 33/64 | 5 15/16 | 7 9/16 | 1 9/16 | 2 13/32 | 2 29/32 | 4 21/32 | 2.4016 | 0.866 |
| 1 15/16 | **UCT310-115D1** | | | | | | | | | | | | | | | | |

| Bearing number | Housing number | Unit number (1) cast dust cover type | Nominal dimensions mm / inch | | | Mass of unit kg / lb | |
|---|---|---|---|---|---|---|---|
| | | | $t$ max. | $L_4$ | $A_5$ | UCT | C(CM) |
| UC305D1 | T305D1 | **C(CM)-UCT305D1** | 2 | 122 | 80 | 1.4 | 1.7 |
| UC305-013D1 | T305D1 | **C(CM)-UCT305-013D1** | | | | | |
| UC305-014D1 | T305D1 | **C(CM)-UCT305-014D1** | 5/64 | 4 13/16 | 3 5/32 | 3.1 | 3.7 |
| UC305-015D1 | T305D1 | **C(CM)-UCT305-015D1** | | | | | |
| UC305-100D1 | T305D1 | **C(CM)-UCT305-100D1** | | | | | |
| UC306D1 | T306D1 | **C(CM)-UCT306D1** | 2 | 139 | 85 | 1.8 | 2.4 |
| UC306-101D1 | T306D1 | **C(CM)-UCT306-101D1** | | | | | |
| UC306-102D1 | T306D1 | **C(CM)-UCT306-102D1** | 5/64 | 5 15/32 | 3 11/32 | 4.0 | 5.3 |
| UC306-103D1 | T306D1 | **C(CM)-UCT306-103D1** | | | | | |
| UC307D1 | T307D1 | **C(CM)-UCT307D1** | 3 | 152 | 95 | 2.3 | 3.2 |
| UC307-104D1 | T307D1 | **C(CM)-UCT307-104D1** | | | | | |
| UC307-105D1 | T307D1 | **C(CM)-UCT307-105D1** | | | | | |
| UC307-106D1 | T307D1 | **C(CM)-UCT307-106D1** | 1/8 | 5 31/32 | 3 3/4 | 5.1 | 7.1 |
| UC307-107D1 | T307D1 | **C(CM)-UCT307-107D1** | | | | | |
| UC308D1 | T308D1 | **C(CM)-UCT308D1** | 3 | 164 | 105 | 3.0 | 4.2 |
| UC308-108D1 | T308D1 | **C(CM)-UCT308-108D1** | | | | | |
| UC308-109D1 | T308D1 | **C(CM)-UCT308-109D1** | 1/8 | 6 15/32 | 4 1/8 | 6.6 | 9.3 |
| UC309D1 | T309D1 | **C(CM)-UCT309D1** | 3 | 181 | 110 | 4.0 | 5.4 |
| UC309-110D1 | T309D1 | **C(CM)-UCT309-110D1** | | | | | |
| UC309-111D1 | T309D1 | **C(CM)-UCT309-111D1** | 1/8 | 7 1/8 | 4 11/32 | 8.8 | 12 |
| UC309-112D1 | T309D1 | **C(CM)-UCT309-112D1** | | | | | |
| UC310D1 | T310D1 | **C(CM)-UCT310D1** | 3 | 197 | 120 | 5.0 | 7.0 |
| UC310-113D1 | T310D1 | **C(CM)-UCT310-113D1** | | | | | |
| UC310-114D1 | T310D1 | **C(CM)-UCT310-114D1** | 1/8 | 7 3/4 | 4 23/32 | 11 | 15 |
| UC310-115D1 | T310D1 | **C(CM)-UCT310-115D1** | | | | | |

**Note** (1) These numbers indicate relubricatable type. If maintenance free type is needed, please order without suffix "D1".
**Remarks** Please refer to page **A21** for size of grease fitting.

## Take-up unit, cast housing
## Set screw type



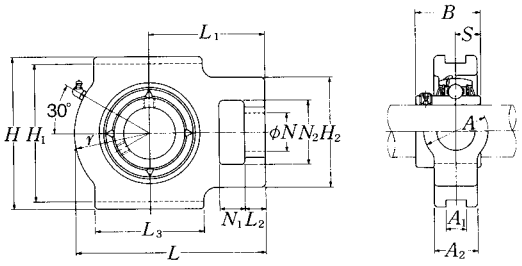

**Cast dust cover type**
Open end **C-UCT···D1**
Closed end **CM-UCT···D1**

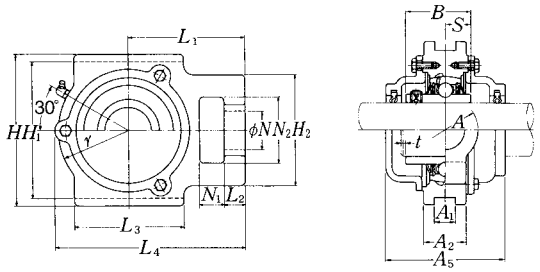
| Shaft dia. mm / inch | Unit number (1) | Nominal dimensions mm / inch | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | $N_1$ | $L_2$ | $H_2$ | $N_2$ | $N$ | $L_3$ | $A_1$ | $H_1$ | $H$ | $L$ | $A_2$ | $A$ | $r$ | $L_1$ | $B$ | $S$ |
| 55 | **UCT311D1** | 29 | 23 | 105 | 66 | 39 | 115 | 22 | 150 | 163 | 207 | 44 | 66 | 80 | 127 | 66 | 25 |
| 2 | **UCT311-200D1** | | | | | | | | | | | | | | | | |
| 2 1/16 | **UCT311-201D1** | | | | | | | | | | | | | | | | |
| 2 1/8 | **UCT311-202D1** | 1 5/32 | 29/32 | 4 1/8 | 2 19/32 | 1 17/32 | 4 17/32 | 0.866 | 5 29/32 | 6 13/32 | 8 5/32 | 1 23/32 | 2 19/32 | 3 5/32 | 5 | 2.5984 | 0.984 |
| 2 3/16 | **UCT311-203D1** | | | | | | | | | | | | | | | | |
| 60 | **UCT312D1** | 31 | 25 | 113 | 71 | 41 | 123 | 22 | 160 | 178 | 220 | 46 | 71 | 85 | 135 | 71 | 26 |
| 2 1/4 | **UCT312-204D1** | | | | | | | | | | | | | | | | |
| 2 5/16 | **UCT312-205D1** | | | | | | | | | | | | | | | | |
| 2 3/8 | **UCT312-206D1** | 1 7/32 | 31/32 | 4 7/16 | 2 25/32 | 1 5/8 | 4 27/32 | 0.866 | 6 19/64 | 7 | 8 21/32 | 1 13/16 | 2 25/32 | 3 11/32 | 5 5/16 | 2.7953 | 1.024 |
| 2 7/16 | **UCT312-207D1** | | | | | | | | | | | | | | | | |
| 65 | **UCT313D1** | 32 | 27 | 116 | 70 | 43 | 134 | 26 | 170 | 190 | 238 | 50 | 80 | 92 | 146 | 75 | 30 |
| 2 1/2 | **UCT313-208D1** | 1 1/4 | 1 1/16 | 4 9/16 | 2 3/4 | 1 11/16 | 5 9/32 | 1.024 | 6 11/16 | 7 15/32 | 9 3/8 | 1 31/32 | 3 5/32 | 3 5/8 | 5 3/4 | 2.9528 | 1.181 |
| 2 9/16 | **UCT313-209D1** | | | | | | | | | | | | | | | | |
| 70 | **UCT314D1** | 36 | 27 | 130 | 85 | 46 | 140 | 26 | 180 | 202 | 252 | 52 | 90 | 97 | 155 | 78 | 33 |
| 2 5/8 | **UCT314-210D1** | | | | | | | | | | | | | | | | |
| 2 11/16 | **UCT314-211D1** | 1 13/32 | 1 1/16 | 5 1/8 | 3 11/32 | 1 13/16 | 5 1/2 | 1.024 | 7 3/32 | 7 15/16 | 9 29/32 | 2 1/16 | 3 17/32 | 3 13/16 | 6 3/32 | 3.0709 | 1.299 |
| 2 3/4 | **UCT314-212D1** | | | | | | | | | | | | | | | | |
| 75 | **UCT315D1** | 36 | 27 | 132 | 85 | 46 | 150 | 26 | 192 | 216 | 262 | 55 | 90 | 102 | 160 | 82 | 32 |
| 2 13/16 | **UCT315-213D1** | | | | | | | | | | | | | | | | |
| 2 7/8 | **UCT315-214D1** | | | | | | | | | | | | | | | | |
| 2 15/16 | **UCT315-215D1** | 1 13/32 | 1 1/16 | 5 3/16 | 3 11/32 | 1 13/16 | 5 29/32 | 1.024 | 7 9/16 | 8 1/2 | 10 5/16 | 2 5/32 | 3 17/32 | 4 1/32 | 6 5/16 | 3.2283 | 1.260 |
| 3 | **UCT315-300D1** | | | | | | | | | | | | | | | | |
| 80 | **UCT316D1** | 42 | 30 | 150 | 98 | 53 | 160 | 30 | 204 | 230 | 282 | 60 | 102 | 108 | 174 | 86 | 34 |
| 3 1/16 | **UCT316-301D1** | | | | | | | | | | | | | | | | |
| 3 1/8 | **UCT316-302D1** | 1 21/32 | 1 3/16 | 5 29/32 | 3 27/32 | 2 3/32 | 6 5/16 | 1.181 | 8 1/32 | 9 1/16 | 11 3/32 | 2 3/8 | 4 1/32 | 4 1/4 | 6 27/32 | 3.3858 | 1.339 |
| 3 3/16 | **UCT316-303D1** | | | | | | | | | | | | | | | | |

| Bearing number | Housing number | Unit number (1) cast dust cover type | Nominal dimensions mm / inch | | | Mass of unit kg / lb | |
|---|---|---|---|---|---|---|---|
| | | | $t$ max. | $L_4$ | $A_5$ | UCT | C(CM) |
| UC311D1 | T311D1 | **C(CM)-UCT311D1** | 4 | 211 | 125 | 6.3 | 8.4 |
| UC311-200D1 | T311D1 | **C(CM)-UCT311-200D1** | | | | | |
| UC311-201D1 | T311D1 | **C(CM)-UCT311-201D1** | | | | | |
| UC311-202D1 | T311D1 | **C(CM)-UCT311-202D1** | 5/32 | 8 5/16 | 4 29/32 | 14 | 19 |
| UC311-203D1 | T311D1 | **C(CM)-UCT311-203D1** | | | | | |
| UC312D1 | T312D1 | **C(CM)-UCT312D1** | 4 | 227 | 135 | 7.6 | 10 |
| UC312-204D1 | T312D1 | **C(CM)-UCT312-204D1** | | | | | |
| UC312-205D1 | T312D1 | **C(CM)-UCT312-205D1** | | | | | |
| UC312-206D1 | T312D1 | **C(CM)-UCT312-206D1** | 5/32 | 8 15/16 | 5 5/16 | 17 | 22 |
| UC312-207D1 | T312D1 | **C(CM)-UCT312-207D1** | | | | | |
| UC313D1 | T313D1 | **C(CM)-UCT313D1** | 4 | 244 | 140 | 9.4 | 12 |
| UC313-208D1 | T313D1 | **C(CM)-UCT313-208D1** | | | | | |
| UC313-209D1 | T313D1 | **C(CM)-UCT313-209D1** | 5/32 | 9 19/32 | 5 1/2 | 21 | 26 |
| UC314D1 | T314D1 | **C(CM)-UCT314D1** | 4 | 258 | 140 | 11 | 14 |
| UC314-210D1 | T314D1 | **C(CM)-UCT314-210D1** | | | | | |
| UC314-211D1 | T314D1 | **C(CM)-UCT314-211D1** | 5/32 | 10 5/32 | 5 1/2 | 24 | 31 |
| UC314-212D1 | T314D1 | **C(CM)-UCT314-212D1** | | | | | |
| UC315D1 | T315D1 | **C(CM)-UCT315D1** | 4 | 268 | 150 | 13 | 17 |
| UC315-213D1 | T315D1 | **C(CM)-UCT315-213D1** | | | | | |
| UC315-214D1 | T315D1 | **C(CM)-UCT315-214D1** | | | | | |
| UC315-215D1 | T315D1 | **C(CM)-UCT315-215D1** | 5/32 | 10 9/16 | 5 29/32 | 29 | 37 |
| UC315-300D1 | T315D1 | **C(CM)-UCT315-300D1** | | | | | |
| UC316D1 | T316D1 | **C(CM)-UCT316D1** | 4 | 287 | 155 | 16 | 20 |
| UC316-301D1 | T316D1 | **C(CM)-UCT316-301D1** | | | | | |
| UC316-302D1 | T316D1 | **C(CM)-UCT316-302D1** | 5/32 | 11 5/16 | 6 3/32 | 35 | 44 |
| UC316-303D1 | T316D1 | **C(CM)-UCT316-303D1** | | | | | |

**Note** (1) These numbers indicate relubricatable type. If maintenance free type is needed, please order without suffix "D1".
**Remarks** Please refer to page **A21** for size of grease fitting.

## Take-up unit, cast housing
## Set screw type



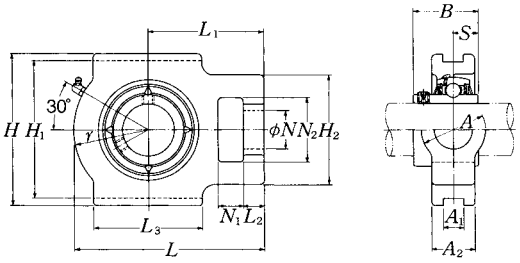

**Cast dust cover type**
Open end **C-UCT···D1**
Closed end **CM-UCT···D1**

| Shaft dia. mm / inch | Unit number (1) | Nominal dimensions mm / inch | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | $N_1$ | $L_2$ | $H_2$ | $N_2$ | $N$ | $L_3$ | $A_1$ | $H_1$ | $H$ | $L$ | $A_2$ | $A$ | $r$ | $L_1$ | $B$ | $S$ |
| 85 | **UCT317D1** | 42 | 32 | 152 | 98 | 53 | 170 | 32 | 214 | 240 | 298 | 64 | 102 | 115 | 183 | 96 | 40 |
| $3\frac{1}{4}$ | **UCT317-304D1** | | | | | | | | | | | | | | | | |
| $3\frac{5}{16}$ | **UCT317-305D1** | $1\frac{21}{32}$ | $1\frac{1}{4}$ | $5\frac{31}{32}$ | $3\frac{27}{32}$ | $2\frac{3}{32}$ | $6\frac{11}{16}$ | 1.260 | $8\frac{27}{64}$ | $9\frac{7}{16}$ | $11\frac{23}{32}$ | $2\frac{17}{32}$ | $4\frac{1}{32}$ | $4\frac{17}{32}$ | $7\frac{7}{32}$ | 3.7795 | 1.575 |
| $3\frac{7}{16}$ | **UCT317-307D1** | | | | | | | | | | | | | | | | |
| 90 | **UCT318D1** | 46 | 32 | 160 | 106 | 57 | 175 | 32 | 228 | 255 | 312 | 66 | 110 | 120 | 192 | 96 | 40 |
| $3\frac{7}{16}$ | **UCT318-307D1** | | | | | | | | | | | | | | | | |
| $3\frac{1}{2}$ | **UCT318-308D1** | $1\frac{13}{16}$ | $1\frac{1}{4}$ | $6\frac{5}{16}$ | $4\frac{3}{16}$ | $2\frac{1}{4}$ | $6\frac{7}{8}$ | 1.260 | $8\frac{31}{32}$ | $10\frac{1}{32}$ | $12\frac{9}{32}$ | $2\frac{19}{32}$ | $4\frac{11}{32}$ | $4\frac{23}{32}$ | $7\frac{9}{16}$ | 3.7795 | 1.575 |
| 95 | **UCT319D1** | 46 | 33 | 165 | 106 | 57 | 180 | 35 | 240 | 270 | 322 | 72 | 110 | 125 | 197 | 103 | 41 |
| $3\frac{5}{8}$ | **UCT319-310D1** | | | | | | | | | | | | | | | | |
| $3\frac{11}{16}$ | **UCT319-311D1** | $1\frac{13}{16}$ | $1\frac{5}{16}$ | $6\frac{1}{2}$ | $4\frac{3}{16}$ | $2\frac{1}{4}$ | $7\frac{3}{32}$ | 1.378 | $9\frac{29}{64}$ | $10\frac{5}{8}$ | $12\frac{11}{16}$ | $2\frac{27}{32}$ | $4\frac{11}{32}$ | $4\frac{29}{32}$ | $7\frac{3}{4}$ | 4.0551 | 1.614 |
| $3\frac{3}{4}$ | **UCT319-312D1** | | | | | | | | | | | | | | | | |
| 100 | **UCT320D1** | 48 | 34 | 175 | 115 | 59 | 200 | 35 | 260 | 290 | 345 | 75 | 120 | 135 | 210 | 108 | 42 |
| $3\frac{13}{16}$ | **UCT320-313D1** | | | | | | | | | | | | | | | | |
| $3\frac{7}{8}$ | **UCT320-314D1** | $1\frac{7}{8}$ | $1\frac{11}{32}$ | $6\frac{7}{8}$ | $4\frac{17}{32}$ | $2\frac{5}{16}$ | $7\frac{7}{8}$ | 1.378 | $10\frac{15}{64}$ | $11\frac{13}{32}$ | $13\frac{19}{32}$ | $2\frac{15}{16}$ | $4\frac{23}{32}$ | $5\frac{5}{16}$ | $8\frac{9}{32}$ | 4.2520 | 1.654 |
| $3\frac{15}{16}$ | **UCT320-315D1** | | | | | | | | | | | | | | | | |
| 4 | **UCT320-400D1** | | | | | | | | | | | | | | | | |
| 105 | **UCT321D1** | 48 | 34 | 175 | 115 | 59 | 200 | 35 | 260 | 290 | 347 | 75 | 120 | 135 | 212 | 112 | 44 |
| 110 | **UCT322D1** | 52 | 40 | 185 | 125 | 65 | 215 | 38 | 285 | 320 | 385 | 80 | 130 | 150 | 235 | 117 | 46 |
| 120 | **UCT324D1** | 60 | 44 | 210 | 140 | 70 | 230 | 45 | 320 | 355 | 432 | 90 | 140 | 165 | 267 | 126 | 51 |
| 130 | **UCT326D1** | 65 | 47 | 220 | 150 | 75 | 240 | 50 | 350 | 385 | 465 | 100 | 150 | 180 | 285 | 135 | 54 |
| 140 | **UCT328D1** | 70 | 52 | 230 | 160 | 80 | 255 | 50 | 380 | 415 | 515 | 100 | 155 | 200 | 315 | 145 | 59 |

| Bearing number | Housing number | Unit number (1) cast dust cover type | Nominal dimensions mm / inch | | | Mass of unit kg / lb | |
|---|---|---|---|---|---|---|---|
| | | | $t$ max. | $L_4$ | $A_5$ | UCT | C(CM) |
| UC317D1 | T317D1 | **C(CM)-UCT317D1** | 5 | 303 | 170 | 19 | 25 |
| UC317-304D1 | T317D1 | **C(CM)-UCT317-304D1** | | | | | |
| UC317-305D1 | T317D1 | **C(CM)-UCT317-305D1** | $\frac{13}{64}$ | $11\frac{15}{16}$ | $6\frac{11}{16}$ | 42 | 55 |
| UC317-307D1 | T317D1 | **C(CM)-UCT317-307D1** | | | | | |
| UC318D1 | T318D1 | **C(CM)-UCT318D1** | 5 | 317 | 170 | 21 | 27 |
| UC318-307D1 | T318D1 | **C(CM)-UCT318-307D1** | | | | | |
| UC318-308D1 | T318D1 | **C(CM)-UCT318-308D1** | $\frac{13}{64}$ | $12\frac{15}{32}$ | $6\frac{11}{16}$ | 46 | 60 |
| UC319D1 | T319D1 | **C(CM)-UCT319D1** | 5 | 327 | 180 | 24 | 31 |
| UC319-310D1 | T319D1 | **C(CM)-UCT319-310D1** | | | | | |
| UC319-311D1 | T319D1 | **C(CM)-UCT319-311D1** | $\frac{13}{64}$ | $12\frac{7}{8}$ | $7\frac{3}{32}$ | 53 | 68 |
| UC319-312D1 | T319D1 | **C(CM)-UCT319-312D1** | | | | | |
| UC320D1 | T320D1 | **C(CM)-UCT320D1** | 5 | 350 | 190 | 30 | 38 |
| UC320-313D1 | T320D1 | **C(CM)-UCT320-313D1** | | | | | |
| UC320-314D1 | T320D1 | **C(CM)-UCT320-314D1** | $\frac{13}{64}$ | $13\frac{25}{32}$ | $7\frac{15}{32}$ | 66 | 84 |
| UC320-315D1 | T320D1 | **C(CM)-UCT320-315D1** | | | | | |
| UC320-400D1 | T320D1 | **C(CM)-UCT320-400D1** | | | | | |
| UC321D1 | T321D1 | **C(CM)-UCT321D1** | 5 | 359 | 195 | 32 | 43 |
| UC322D1 | T322D1 | **C(CM)-UCT322D1** | 5 | 395 | 200 | 40 | 55 |
| UC324D1 | T324D1 | **C(CM)-UCT324D1** | 5 | 439 | 215 | 55 | 71 |
| UC326D1 | T326D1 | **C(CM)-UCT326D1** | 6 | 476 | 225 | 69 | 92 |
| UC328D1 | T328D1 | **C(CM)-UCT328D1** | 6 | 519 | 235 | 84 | 111 |

**Note** (1) These numbers indicate relubricatable type. If maintenance free type is needed, please order without suffix "D1".
**Remarks** Please refer to page **A21** for size of grease fitting.

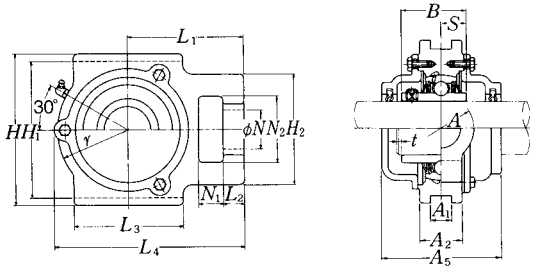
## Take-up unit, cast housing
## Set screw type




| Shaft dia. mm / inch | Unit number (1) | Nominal dimensions mm / inch | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | $N_1$ | $L_2$ | $H_2$ | $N_2$ | $N$ | $L_3$ | $A_1$ | $H_1$ | $H$ | $L$ | $A_2$ | $A$ | $r$ | $L_1$ | $B$ | $S$ |
| 25 | **UCTX05D1** | 16 | 12 | 56 | 37 | 22 | 57 | 12 | 89 | 102 | 113 | 28 | 37 | 43 | 70 | 38.1 | 15.9 |
| 13/16 | **UCTX05-013D1** | | | | | | | | | | | | | | | | |
| 7/8 | **UCTX05-014D1** | 5/8 | 15/32 | 2 7/32 | 1 15/32 | 7/8 | 2 1/4 | 0.472 | 3 1/2 | 4 1/32 | 4 7/16 | 1 3/32 | 1 15/32 | 1 11/16 | 2 3/4 | 1.5000 | 0.626 |
| 15/16 | **UCTX05-015D1** | | | | | | | | | | | | | | | | |
| 1 | **UCTX05-100D1** | | | | | | | | | | | | | | | | |
| 30 | **UCTX06D1** | 16 | 15 | 64 | 37 | 22 | 64 | 12 | 89 | 102 | 129 | 30 | 37 | 51 | 78 | 42.9 | 17.5 |
| 1 1/16 | **UCTX06-101D1** | | | | | | | | | | | | | | | | |
| 1 1/8 | **UCTX06-102D1** | 5/8 | 19/32 | 2 17/32 | 1 15/32 | 7/8 | 2 17/32 | 0.472 | 3 1/2 | 4 1/32 | 5 3/32 | 1 3/16 | 1 15/32 | 2 | 3 1/16 | 1.6890 | 0.689 |
| 1 3/16 | **UCTX06-103D1** | | | | | | | | | | | | | | | | |
| 1 1/4 | **UCTX06-104D1** | | | | | | | | | | | | | | | | |
| 35 | **UCTX07D1** | 19 | 17 | 83 | 49 | 29 | 83 | 16 | 102 | 114 | 144 | 36 | 49 | 56 | 88 | 49.2 | 19 |
| 1 5/16 | **UCTX07-105D1** | | | | | | | | | | | | | | | | |
| 1 3/8 | **UCTX07-106D1** | 3/4 | 21/32 | 3 9/32 | 1 15/16 | 1 5/32 | 3 9/32 | 0.630 | 4 1/64 | 4 1/2 | 5 21/32 | 1 13/32 | 1 15/16 | 2 7/32 | 3 15/32 | 1.9370 | 0.748 |
| 1 7/16 | **UCTX07-107D1** | | | | | | | | | | | | | | | | |
| 40 | **UCTX08D1** | 19 | 17 | 83 | 49 | 29 | 83 | 16 | 102 | 117 | 144 | 36 | 49 | 57 | 87 | 49.2 | 19 |
| 1 1/2 | **UCTX08-108D1** | 3/4 | 21/32 | 3 9/32 | 1 15/16 | 1 5/32 | 3 9/32 | 0.630 | 4 1/64 | 4 19/32 | 5 21/32 | 1 13/32 | 1 15/16 | 2 1/4 | 3 7/16 | 1.9370 | 0.748 |
| 1 9/16 | **UCTX08-109D1** | | | | | | | | | | | | | | | | |
| 45 | **UCTX09D1** | 19 | 18 | 83 | 49 | 29 | 86 | 16 | 102 | 117 | 151 | 38 | 49 | 59 | 92 | 51.6 | 19 |
| 1 5/8 | **UCTX09-110D1** | | | | | | | | | | | | | | | | |
| 1 11/16 | **UCTX09-111D1** | 3/4 | 23/32 | 3 9/32 | 1 15/16 | 1 5/32 | 3 3/8 | 0.630 | 4 1/64 | 4 19/32 | 5 15/16 | 1 1/2 | 1 15/16 | 2 5/16 | 3 5/8 | 2.0315 | 0.748 |
| 1 3/4 | **UCTX09-112D1** | | | | | | | | | | | | | | | | |
| 1 13/16 | **UCTX09-113D1** | | | | | | | | | | | | | | | | |
| 50 | **UCTX10D1** | 25 | 21 | 102 | 64 | 35 | 95 | 22 | 130 | 146 | 171 | 42 | 64 | 65 | 106 | 55.6 | 22.2 |
| 1 7/8 | **UCTX10-114D1** | | | | | | | | | | | | | | | | |
| 1 15/16 | **UCTX10-115D1** | 31/32 | 13/16 | 4 1/32 | 2 17/32 | 1 3/8 | 3 3/4 | 0.866 | 5 1/8 | 5 3/4 | 6 23/32 | 1 21/32 | 2 17/32 | 2 9/16 | 4 3/16 | 2.1890 | 0.874 |
| 2 | **UCTX10-200D1** | | | | | | | | | | | | | | | | |

**Note** (1) These numbers indicate relubricatable type. If maintenance free type is needed, please order without suffix "D1".
**Remarks** Please refer to page **A21** for size of grease fitting.

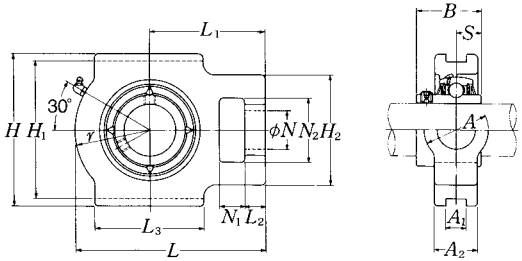





**Cast dust cover type**
Open end **C-UCT···D1**
Closed end **CM-UCT···D1**

| Bearing number | Housing number | Unit number (1) cast dust cover type | Nominal dimensions mm / inch | | | Mass of unit kg / lb | |
|---|---|---|---|---|---|---|---|
| | | | $t$ max. | $L_4$ | $A_5$ | UCT | C(CM) |
| UCX05D1 | TX05D1 | **C(CM)-UCTX05D1** | 2 | 113.5 | 75 | 1.4 | 1.8 |
| UCX05-013D1 | TX05D1 | **C(CM)-UCTX05-013D1** | | | | | |
| UCX05-014D1 | TX05D1 | **C(CM)-UCTX05-014D1** | 5/64 | 4 15/32 | 2 15/16 | 3.1 | 4.0 |
| UCX05-015D1 | TX05D1 | **C(CM)-UCTX05-015D1** | | | | | |
| UCX05-100D1 | TX05D1 | **C(CM)-UCTX05-100D1** | | | | | |
| UCX06D1 | TX06D1 | **C(CM)-UCTX06D1** | 2 | 129 | 80 | 1.8 | 2.3 |
| UCX06-101D1 | TX06D1 | **C(CM)-UCTX06-101D1** | | | | | |
| UCX06-102D1 | TX06D1 | **C(CM)-UCTX06-102D1** | 5/64 | 5 3/32 | 3 5/32 | 4.0 | 5.1 |
| UCX06-103D1 | TX06D1 | **C(CM)-UCTX06-103D1** | | | | | |
| UC207-104D1 | TX06D1 | **C(CM)-UCTX06-104D1** | | | | | |
| UCX07D1 | TX07D1 | **C(CM)-UCTX07D1** | 3 | 144 | 90 | 2.6 | 3.5 |
| UCX07-105D1 | TX07D1 | **C(CM)-UCTX07-105D1** | | | | | |
| UCX07-106D1 | TX07D1 | **C(CM)-UCTX07-106D1** | 1/8 | 5 21/32 | 3 17/32 | 5.7 | 7.7 |
| UCX07-107D1 | TX07D1 | **C(CM)-UCTX07-107D1** | | | | | |
| UCX08D1 | TX08D1 | **C(CM)-UCTX08D1** | 3 | 144.5 | 95 | 2.6 | 3.5 |
| UCX08-108D1 | TX08D1 | **C(CM)-UCTX08-108D1** | | | | | |
| UCX08-109D1 | TX08D1 | **C(CM)-UCTX08-109D1** | 1/8 | 5 11/16 | 3 3/4 | 5.7 | 7.7 |
| UCX09D1 | TX09D1 | **C(CM)-UCTX09D1** | 3 | 152 | 100 | 2.7 | 3.7 |
| UCX09-110D1 | TX09D1 | **C(CM)-UCTX09-110D1** | | | | | |
| UCX09-111D1 | TX09D1 | **C(CM)-UCTX09-111D1** | | | | | |
| UCX09-112D1 | TX09D1 | **C(CM)-UCTX09-112D1** | 1/8 | 5 31/32 | 3 15/16 | 6.0 | 8.2 |
| UC210-113D1 | TX09D1 | **C(CM)-UCTX09-113D1** | | | | | |
| UCX10D1 | TX10D1 | **C(CM)-UCTX10D1** | 3 | 171.5 | 100 | 4.2 | 5.4 |
| UCX10-114D1 | TX10D1 | **C(CM)-UCTX10-114D1** | | | | | |
| UCX10-115D1 | TX10D1 | **C(CM)-UCTX10-115D1** | 1/8 | 6 3/4 | 3 15/16 | 9.3 | 12 |
| UC211-200D1 | TX10D1 | **C(CM)-UCTX10-200D1** | | | | | |

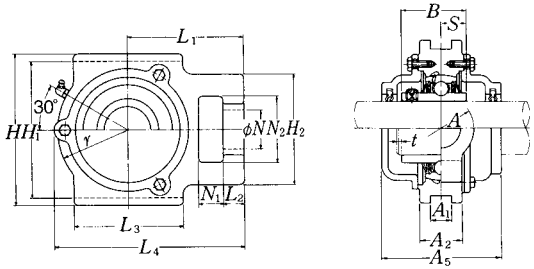
## Take-up unit, cast housing
## Set screw type




| Shaft dia. mm / inch | Unit number (1) | Nominal dimensions mm / inch | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | $N_1$ | $L_2$ | $H_2$ | $N_2$ | $N$ | $L_3$ | $A_1$ | $H_1$ | $H$ | $L$ | $A_2$ | $A$ | $r$ | $L_1$ | $B$ | $S$ |
| 55 | **UCTX11D1** | 32 | 21 | 102 | 64 | 35 | 102 | 22 | 130 | 146 | 194 | 44 | 64 | 75 | 119 | 65.1 | 25.4 |
| $2\frac{1}{16}$ | **UCTX11-201D1** | | | | | | | | | | | | | | | | |
| $2\frac{1}{8}$ | **UCTX11-202D1** | | | | | | | | | | | | | | | | |
| $2\frac{3}{16}$ | **UCTX11-203D1** | $1\frac{1}{4}$ | $\frac{13}{16}$ | $4\frac{1}{32}$ | $2\frac{17}{32}$ | $1\frac{3}{8}$ | $4\frac{1}{32}$ | 0.866 | $5\frac{1}{8}$ | $5\frac{3}{4}$ | $7\frac{5}{8}$ | $1\frac{23}{32}$ | $2\frac{17}{32}$ | $2\frac{15}{16}$ | $4\frac{11}{16}$ | 2.5630 | 1.000 |
| $2\frac{1}{4}$ | **UCTX11-204D1** | | | | | | | | | | | | | | | | |
| $2\frac{5}{16}$ | **UCTX11-205D1** | | | | | | | | | | | | | | | | |
| 60 | **UCTX12D1** | 32 | 23 | 111 | 70 | 41 | 121 | 26 | 151 | 167 | 224 | 48 | 70 | 87 | 137 | 65.1 | 25.4 |
| $2\frac{3}{8}$ | **UCTX12-206D1** | $1\frac{1}{4}$ | $\frac{29}{32}$ | $4\frac{3}{8}$ | $2\frac{3}{4}$ | $1\frac{5}{8}$ | $4\frac{3}{4}$ | 1.024 | $5\frac{15}{16}$ | $6\frac{9}{16}$ | $8\frac{13}{16}$ | $1\frac{7}{8}$ | $2\frac{3}{4}$ | $3\frac{7}{16}$ | $5\frac{13}{32}$ | 2.5630 | 1.000 |
| $2\frac{7}{16}$ | **UCTX12-207D1** | | | | | | | | | | | | | | | | |
| 65 | **UCTX13D1** | 32 | 23 | 111 | 70 | 41 | 121 | 26 | 151 | 167 | 224 | 48 | 70 | 87 | 137 | 74.6 | 30.2 |
| $2\frac{1}{2}$ | **UCTX13-208D1** | $1\frac{1}{4}$ | $\frac{29}{32}$ | $4\frac{3}{8}$ | $2\frac{3}{4}$ | $1\frac{5}{8}$ | $4\frac{3}{4}$ | 1.024 | $5\frac{15}{16}$ | $6\frac{9}{16}$ | $8\frac{13}{16}$ | $1\frac{7}{8}$ | $2\frac{3}{4}$ | $3\frac{7}{16}$ | $5\frac{13}{32}$ | 2.9370 | 1.189 |
| $2\frac{9}{16}$ | **UCTX13-209D1** | | | | | | | | | | | | | | | | |
| 70 | **UCTX14D1** | 32 | 23 | 111 | 70 | 41 | 121 | 26 | 151 | 167 | 232 | 48 | 70 | 92 | 140 | 77.8 | 33.3 |
| $2\frac{5}{8}$ | **UCTX14-210D1** | | | | | | | | | | | | | | | | |
| $2\frac{11}{16}$ | **UCTX14-211D1** | $1\frac{1}{4}$ | $\frac{29}{32}$ | $4\frac{3}{8}$ | $2\frac{3}{4}$ | $1\frac{5}{8}$ | $4\frac{3}{4}$ | 1.024 | $5\frac{15}{16}$ | $6\frac{9}{16}$ | $9\frac{1}{8}$ | $1\frac{7}{8}$ | $2\frac{3}{4}$ | $3\frac{5}{8}$ | $5\frac{1}{2}$ | 3.0630 | 1.311 |
| $2\frac{3}{4}$ | **UCTX14-212D1** | | | | | | | | | | | | | | | | |
| 75 | **UCTX15D1** | 32 | 23 | 111 | 70 | 41 | 121 | 28 | 165 | 184 | 235 | 48 | 70 | 95 | 140 | 82.6 | 33.3 |
| $2\frac{13}{16}$ | **UCTX15-213D1** | | | | | | | | | | | | | | | | |
| $2\frac{7}{8}$ | **UCTX15-214D1** | $1\frac{1}{4}$ | $\frac{29}{32}$ | $4\frac{3}{8}$ | $2\frac{3}{4}$ | $1\frac{5}{8}$ | $4\frac{3}{4}$ | 1.102 | $6\frac{1}{2}$ | $7\frac{1}{4}$ | $9\frac{1}{4}$ | $1\frac{7}{8}$ | $2\frac{3}{4}$ | $3\frac{3}{4}$ | $5\frac{1}{2}$ | 3.2520 | 1.311 |
| $2\frac{15}{16}$ | **UCTX15-215D1** | | | | | | | | | | | | | | | | |
| 3 | **UCTX15-300D1** | | | | | | | | | | | | | | | | |
| 80 | **UCTX16D1** | 38 | 30 | 124 | 73 | 48 | 157 | 28 | 173 | 198 | 260 | 54 | 73 | 98 | 162 | 85.7 | 34.1 |
| $3\frac{1}{16}$ | **UCTX16-301D1** | | | | | | | | | | | | | | | | |
| $3\frac{1}{8}$ | **UCTX16-302D1** | $1\frac{1}{2}$ | $1\frac{3}{16}$ | $4\frac{7}{8}$ | $2\frac{7}{8}$ | $1\frac{7}{8}$ | $6\frac{3}{16}$ | 1.102 | $6\frac{13}{16}$ | $7\frac{25}{32}$ | $10\frac{1}{4}$ | $2\frac{1}{8}$ | $2\frac{7}{8}$ | $3\frac{27}{32}$ | $6\frac{3}{8}$ | 3.3740 | 1.343 |
| $3\frac{3}{16}$ | **UCTX16-303D1** | | | | | | | | | | | | | | | | |
| $3\frac{1}{4}$ | **UCTX16-304D1** | | | | | | | | | | | | | | | | |
| 85 | **UCTX17D1** | 38 | 30 | 124 | 73 | 48 | 157 | 28 | 173 | 198 | 260 | 54 | 73 | 98 | 162 | 96 | 39.7 |
| $3\frac{5}{16}$ | **UCTX17-305D1** | $1\frac{1}{2}$ | $1\frac{3}{16}$ | $4\frac{7}{8}$ | $2\frac{7}{8}$ | $1\frac{7}{8}$ | $6\frac{3}{16}$ | 1.102 | $6\frac{13}{16}$ | $7\frac{25}{32}$ | $10\frac{1}{4}$ | $2\frac{1}{8}$ | $2\frac{7}{8}$ | $3\frac{27}{32}$ | $6\frac{3}{8}$ | 3.7795 | 1.563 |
| $3\frac{7}{16}$ | **UCTX17-307D1** | | | | | | | | | | | | | | | | |

**Note** (1) These numbers indicate relubricatable type. If maintenance free type is needed, please order without suffix "D1".
**Remarks** Please refer to page **A21** for size of grease fitting.

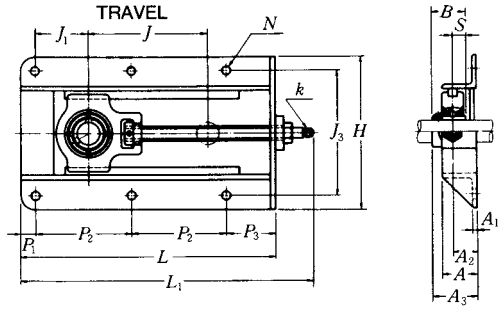





**Cast dust cover type**
Open end **C-UCT···D1**
Closed end **CM-UCT···D1**

| Bearing number | Housing number | Unit number (1) cast dust cover type | Nominal dimensions mm / inch | | | Mass of unit kg / lb | |
|---|---|---|---|---|---|---|---|
| | | | $t$ max. | $L_4$ | $A_5$ | UCT | C(CM) |
| UCX11D1 | TX11D1 | **C(CM)-UCTX11D1** | 4 | 194 | 115 | 5.2 | 6.7 |
| UCX11-201D1 | TX11D1 | **C(CM)-UCTX11-201D1** | | | | | |
| UCX11-202D1 | TX11D1 | **C(CM)-UCTX11-202D1** | | | | | |
| UCX11-203D1 | TX11D1 | **C(CM)-UCTX11-203D1** | $\frac{5}{32}$ | $7\frac{5}{8}$ | $4\frac{17}{32}$ | 11 | 15 |
| UC212-204D1 | TX11D1 | **C(CM)-UCTX11-204D1** | | | | | |
| UC212-205D1 | TX11D1 | **C(CM)-UCTX11-205D1** | | | | | |
| UCX12D1 | TX12D1 | **C(CM)-UCTX12D1** | 4 | 224 | 120 | 7.2 | 9.0 |
| UCX12-206D1 | TX12D1 | **C(CM)-UCTX12-206D1** | $\frac{5}{32}$ | $8\frac{13}{16}$ | $4\frac{23}{32}$ | 16 | 20 |
| UCX12-207D1 | TX12D1 | **C(CM)-UCTX12-207D1** | | | | | |
| UCX13D1 | TX13D1 | **C(CM)-UCTX13D1** | 4 | 224 | 135 | 7.5 | 9.8 |
| UCX13-208D1 | TX13D1 | **C(CM)-UCTX13-208D1** | $\frac{5}{32}$ | $8\frac{13}{16}$ | $5\frac{5}{16}$ | 17 | 22 |
| UCX13-209D1 | TX13D1 | **C(CM)-UCTX13-209D1** | | | | | |
| UCX14D1 | TX14D1 | **C(CM)-UCTX14D1** | 4 | 232 | 135 | 7.7 | 10 |
| UCX14-210D1 | TX14D1 | **C(CM)-UCTX14-210D1** | | | | | |
| UCX14-211D1 | TX14D1 | **C(CM)-UCTX14-211D1** | $\frac{5}{32}$ | $9\frac{1}{8}$ | $5\frac{5}{16}$ | 17 | 22 |
| UCX14-212D1 | TX14D1 | **C(CM)-UCTX14-212D1** | | | | | |
| UCX15D1 | TX15D1 | **C(CM)-UCTX15D1** | 4 | 235 | 145 | 8.3 | 11 |
| UCX15-213D1 | TX15D1 | **C(CM)-UCTX15-213D1** | | | | | |
| UCX15-214D1 | TX15D1 | **C(CM)-UCTX15-214D1** | $\frac{5}{32}$ | $9\frac{1}{4}$ | $5\frac{23}{32}$ | 18 | 24 |
| UCX15-215D1 | TX15D1 | **C(CM)-UCTX15-215D1** | | | | | |
| UCX15-300D1 | TX15D1 | **C(CM)-UCTX15-300D1** | | | | | |
| UCX16D1 | TX16D1 | **C(CM)-UCTX16D1** | 4 | 260 | 155 | 11 | 14 |
| UCX16-301D1 | TX16D1 | **C(CM)-UCTX16-301D1** | | | | | |
| UCX16-302D1 | TX16D1 | **C(CM)-UCTX16-302D1** | $\frac{5}{32}$ | $10\frac{1}{4}$ | $6\frac{3}{32}$ | 24 | 31 |
| UCX16-303D1 | TX16D1 | **C(CM)-UCTX16-303D1** | | | | | |
| UC217-304D1 | TX16D1 | **C(CM)-UCTX16-304D1** | | | | | |
| UCX17D1 | TX17D1 | **C(CM)-UCTX17D1** | 5 | 262 | 165 | 11 | 15 |
| UCX17-305D1 | TX17D1 | **C(CM)-UCTX17-305D1** | $\frac{13}{64}$ | $10\frac{5}{16}$ | $6\frac{1}{2}$ | 24 | 33 |
| UCX17-307D1 | TX17D1 | **C(CM)-UCTX17-307D1** | | | | | |

## Take-up stretcher units™
## Set screw type





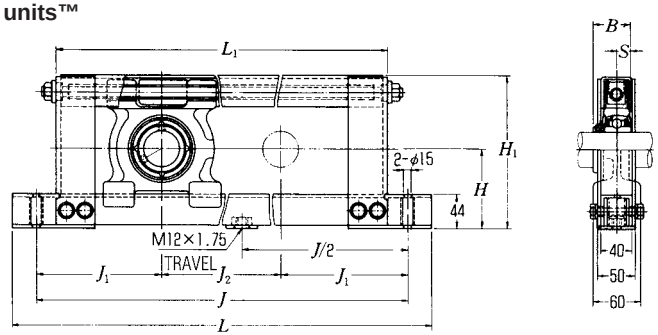


| Shaft dia. | Unit number (1) | Nominal dimensions mm | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| mm | | $L$ | $H$ | $J$ | $J_1$ | $J_3$ | $A_1$ | $A_2$ | $A$ | $P_1$ | $P_2$ | $P_3$ | $N$ | $L_1$ | $A_3$ | $B$ | $S$ | $k$ square |
| 12 | UCT201-15 | 317 | 199 | 150 | 69 | 154 | 6 | 30 | 50 | 19 | 117 | 64 | 12 | 370 | 48.3 | 31 | 12.7 | 9 |
| 15 | UCT202-15 | 317 | 199 | 150 | 69 | 154 | 6 | 30 | 50 | 19 | 117 | 64 | 12 | 370 | 48.3 | 31 | 12.7 | 9 |
| 17 | UCT203-15 | 317 | 199 | 150 | 69 | 154 | 6 | 30 | 50 | 19 | 117 | 64 | 12 | 370 | 48.3 | 31 | 12.7 | 9 |
| 20 | UCT204-15 | 317 | 199 | 150 | 69 | 154 | 6 | 30 | 50 | 19 | 117 | 64 | 12 | 370 | 48.3 | 31 | 12.7 | 9 |
| 25 | UCT205-15 | 317 | 199 | 150 | 68 | 154 | 6 | 30 | 50 | 19 | 117 | 64 | 12 | 370 | 49.8 | 34.1 | 14.3 | 9 |
| 30 | UCT206-15 | 337 | 212 | 150 | 73 | 166 | 6 | 32 | 50 | 19 | 127 | 64 | 12 | 393 | 54.2 | 38.1 | 15.9 | 10 |
| 35 | UCT207-23 | 429 | 212 | 230 | 80 | 166 | 6 | 32 | 50 | 19 | 173 | 64 | 12 | 485 | 57.4 | 42.9 | 17.5 | 10 |
| 40 | UCT208-30 | 520 | 233 | 300 | 88 | 192 | 6 | 32 | 50 | 22 | 217 | 64 | 12 | 596 | 62.2 | 49.2 | 19 | 15 |
| 45 | UCT209-30 | 520 | 233 | 300 | 88 | 192 | 6 | 32 | 50 | 22 | 217 | 64 | 12 | 596 | 62.2 | 49.2 | 19 | 15 |
| 50 | UCT210-30 | 524 | 233 | 300 | 92 | 192 | 6 | 35 | 50 | 22 | 219 | 64 | 15 | 599 | 67.6 | 51.6 | 19 | 15 |
| 55 | UCT211-30 | 542 | 285 | 300 | 93 | 240 | 8 | 38 | 65 | 22 | 230 | 60 | 15 | 630 | 71.4 | 55.6 | 22.2 | 17 |
| 60 | UCT212-30 | 568 | 285 | 300 | 103 | 240 | 8 | 38 | 65 | 22 | 243 | 60 | 15 | 657 | 77.7 | 65.1 | 25.4 | 17 |
| 65 | UCT213-30 | 606 | 306 | 300 | 125 | 260 | 8 | 43 | 65 | 22 | 260 | 64 | 15 | 705 | 82.7 | 65.1 | 25.4 | 23 |

| Adjustment screw size | Bolt size | Max. load (2) recommended N | Bearing number | Mass of unit kg |
|---|---|---|---|---|
| TM16 × 3 | M10 | 7 650 | UC201D1 | 5.0 |
| TM16 × 3 | M10 | 7 650 | UC202D1 | 5.0 |
| TM16 × 3 | M10 | 7 650 | UC203D1 | 5.0 |
| TM16 × 3 | M10 | 7 650 | UC204D1 | 5.0 |
| TM16 × 3 | M10 | 7 850 | UC205D1 | 5.0 |
| TM18 × 4 | M10 | 9 810 | UC206D1 | 5.7 |
| TM18 × 4 | M10 | 12 750 | UC207D1 | 6.8 |
| TM25 × 5 | M10 | 15 690 | UC208D1 | 11 |
| TM25 × 5 | M10 | 15 690 | UC209D1 | 11 |
| TM25 × 5 | M12 | 16 670 | UC210D1 | 11 |
| TM30 × 6 | M12 | 19 610 | UC211D1 | 18 |
| TM30 × 6 | M12 | 21 570 | UC212D1 | 20 |
| TM30 × 6 | M12 | 23 530 | UC213D1 | 23 |

**Notes** (1) If relubricatable type is needed, please order with suffix "D1".
(2) The Stretcher Units is designed to only take a horizontal radial load, in line with the adjustment direction. Axial loads or vertical radial loads can deform or break the housing.

## Take-up type L stretcher units™
## Set screw type





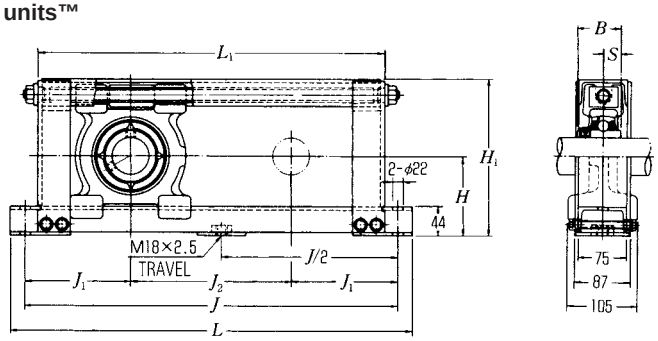


| Shaft dia. | Unit number (1) | Nominal dimensions | | | | | | | | | Bolt size | Max. load (2) recommended |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | mm | | | | | | | | | | |
| mm | | H | L | J | $J_2$ | $L_1$ | $J_1$ | $H_1$ | B | S | | N |
| 20 | UCL204-10 | 77 | 430 | 370 | 100 | 320 | 135 | 146 | 31 | 12.7 | M12 | 1 960 |
| | UCL204-20 | 77 | 530 | 470 | 200 | 420 | 135 | 146 | 31 | 12.7 | M12 | 1 960 |
| | UCL204-30 | 77 | 630 | 570 | 300 | 520 | 135 | 146 | 31 | 12.7 | M12 | 1 960 |
| | UCL204-40 | 77 | 730 | 670 | 400 | 620 | 135 | 146 | 31 | 12.7 | M12 | 1 960 |
| 25 | UCL205-10 | 82 | 440 | 380 | 100 | 330 | 140 | 156 | 34.1 | 14.3 | M12 | 2 250 |
| | UCL205-20 | 82 | 540 | 480 | 200 | 430 | 140 | 156 | 34.1 | 14.3 | M12 | 2 250 |
| | UCL205-30 | 82 | 640 | 580 | 300 | 530 | 140 | 156 | 34.1 | 14.3 | M12 | 2 250 |
| | UCL205-40 | 82 | 740 | 680 | 400 | 630 | 140 | 156 | 34.1 | 14.3 | M12 | 2 250 |
| 30 | UCL206-10 | 87 | 450 | 390 | 100 | 340 | 145 | 166 | 38.1 | 15.9 | M12 | 3 230 |
| | UCL206-20 | 87 | 550 | 490 | 200 | 440 | 145 | 166 | 38.1 | 15.9 | M12 | 3 230 |
| | UCL206-30 | 87 | 650 | 590 | 300 | 540 | 145 | 166 | 38.1 | 15.9 | M12 | 3 230 |
| | UCL206-40 | 87 | 750 | 690 | 400 | 640 | 145 | 166 | 38.1 | 15.9 | M12 | 3 230 |
| 35 | UCL207-10 | 92 | 460 | 400 | 100 | 350 | 150 | 176 | 42.9 | 17.5 | M12 | 4 210 |
| | UCL207-20 | 92 | 560 | 500 | 200 | 450 | 150 | 176 | 42.9 | 17.5 | M12 | 4 210 |
| | UCL207-30 | 92 | 660 | 600 | 300 | 550 | 150 | 176 | 42.9 | 17.5 | M12 | 4 210 |
| | UCL207-40 | 92 | 760 | 700 | 400 | 650 | 150 | 176 | 42.9 | 17.5 | M12 | 4 210 |
| 40 | UCL208-10 | 97 | 470 | 410 | 100 | 360 | 155 | 186 | 49.2 | 19 | M12 | 4 500 |
| | UCL208-20 | 97 | 570 | 510 | 200 | 460 | 155 | 186 | 49.2 | 19 | M12 | 4 500 |
| | UCL208-30 | 97 | 670 | 610 | 300 | 560 | 155 | 186 | 49.2 | 19 | M12 | 4 500 |
| | UCL208-40 | 97 | 770 | 710 | 400 | 660 | 155 | 186 | 49.2 | 19 | M12 | 4 500 |
| 45 | UCL209-10 | 100 | 480 | 420 | 100 | 370 | 160 | 192 | 49.2 | 19 | M12 | 4 500 |
| | UCL209-20 | 100 | 580 | 520 | 200 | 470 | 160 | 192 | 49.2 | 19 | M12 | 4 500 |
| | UCL209-30 | 100 | 680 | 620 | 300 | 570 | 160 | 192 | 49.2 | 19 | M12 | 4 500 |
| | UCL209-40 | 100 | 780 | 420 | 400 | 670 | 160 | 192 | 49.2 | 19 | M12 | 4 500 |

| Bearing number | Mass of unit |
|---|---|
| | kg |
| UC204D1 | 6.3 |
| UC204D1 | 7.0 |
| UC204D1 | 7.7 |
| UC204D1 | 8.4 |
| UC205D1 | 6.8 |
| UC205D1 | 7.5 |
| UC205D1 | 8.2 |
| UC205D1 | 8.9 |
| UC206D1 | 7.3 |
| UC206D1 | 8.0 |
| UC206D1 | 8.7 |
| UC206D1 | 9.4 |
| UC207D1 | 7.8 |
| UC207D1 | 8.5 |
| UC207D1 | 9.2 |
| UC207D1 | 9.9 |
| UC208D1 | 8.3 |
| UC208D1 | 9.0 |
| UC208D1 | 9.7 |
| UC208D1 | 10 |
| UC209D1 | 8.7 |
| UC209D1 | 9.4 |
| UC209D1 | 10 |
| UC209D1 | 11 |

**Notes** (1) If relubricatable type is needed, please order with suffix "D1".
(2) The Stretcher Units is designed to only take a horizontal radial load, in line with the adjustment direction. Axial loads or vertical radial loads can deform or break the housing.

## Take-up type M stretcher units™
## Set screw type



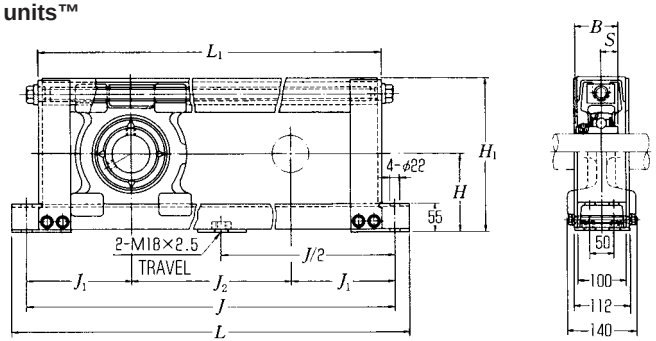




| Shaft dia. mm | Unit number (1) | Nominal dimensions mm $H$ | $L$ | $J$ | $J_2$ | $L_1$ | $J_1$ | $H_1$ | $B$ | $S$ | Bolt size | Max. load (2) recommended N | Bearing number | Mass of unit kg |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | UCM208-50 | 97 | 870 | 810 | 500 | 760 | 155 | 190 | 49.2 | 19 | M18 | 5 190 | UC208D1 | 20 |
| | UCM208-60 | 97 | 970 | 910 | 600 | 860 | 155 | 190 | 49.2 | 19 | M18 | 5 190 | UC208D1 | 22 |
| 40 | UCM208-70 | 97 | 1070 | 1010 | 700 | 960 | 155 | 190 | 49.2 | 19 | M18 | 5 190 | UC208D1 | 23 |
| | UCM208-80 | 97 | 1170 | 1110 | 800 | 1060 | 155 | 190 | 49.2 | 19 | M18 | 5 190 | UC208D1 | 24 |
| | UCM208-90 | 97 | 1270 | 1210 | 900 | 1160 | 155 | 190 | 49.2 | 19 | M18 | 5 190 | UC208D1 | 30 |
| | UCM209-50 | 102 | 880 | 820 | 500 | 770 | 160 | 200 | 49.2 | 19 | M18 | 5 880 | UC209D1 | 21 |
| | UCM209-60 | 102 | 980 | 920 | 600 | 870 | 160 | 200 | 49.2 | 19 | M18 | 5 880 | UC209D1 | 23 |
| 45 | UCM209-70 | 102 | 1080 | 1020 | 700 | 970 | 160 | 200 | 49.2 | 19 | M18 | 5 880 | UC209D1 | 24 |
| | UCM209-80 | 102 | 1180 | 1120 | 800 | 1070 | 160 | 200 | 49.2 | 19 | M18 | 5 880 | UC209D1 | 30 |
| | UCM209-90 | 102 | 1280 | 1220 | 900 | 1170 | 160 | 200 | 49.2 | 19 | M18 | 5 880 | UC209D1 | 32 |
| | UCM210-50 | 107 | 890 | 830 | 500 | 780 | 165 | 210 | 51.6 | 19 | M18 | 6 460 | UC210D1 | 23 |
| | UCM210-60 | 107 | 990 | 930 | 600 | 880 | 165 | 210 | 51.6 | 19 | M18 | 6 460 | UC210D1 | 24 |
| 50 | UCM210-70 | 107 | 1090 | 1030 | 700 | 980 | 165 | 210 | 51.6 | 19 | M18 | 6 460 | UC210D1 | 30 |
| | UCM210-80 | 107 | 1190 | 1130 | 800 | 1080 | 165 | 210 | 51.6 | 19 | M18 | 6 460 | UC210D1 | 32 |
| | UCM210-90 | 107 | 1290 | 1230 | 900 | 1180 | 165 | 210 | 51.6 | 19 | M18 | 6 460 | UC210D1 | 33 |
| | UCM211-50 | 115 | 910 | 850 | 500 | 800 | 175 | 230 | 55.6 | 22.2 | M18 | 6 460 | UC211D1 | 25 |
| | UCM211-60 | 115 | 1010 | 950 | 600 | 900 | 175 | 230 | 55.6 | 22.2 | M18 | 6 460 | UC211D1 | 27 |
| 55 | UCM211-70 | 115 | 1110 | 1050 | 700 | 1000 | 175 | 230 | 55.6 | 22.2 | M18 | 6 460 | UC211D1 | 32 |
| | UCM211-80 | 115 | 1210 | 1150 | 800 | 1100 | 175 | 230 | 55.6 | 22.2 | M18 | 6 460 | UC211D1 | 34 |
| | UCM211-90 | 115 | 1310 | 1250 | 900 | 1200 | 175 | 230 | 55.6 | 22.2 | M18 | 6 460 | UC211D1 | 36 |
| | UCM212-50 | 120 | 920 | 860 | 500 | 810 | 180 | 240 | 65.1 | 25.4 | M18 | 6 460 | UC212D1 | 28 |
| | UCM212-60 | 120 | 1020 | 960 | 600 | 910 | 180 | 240 | 65.1 | 25.4 | M18 | 6 460 | UC212D1 | 29 |
| 60 | UCM212-70 | 120 | 1120 | 1060 | 700 | 1010 | 180 | 240 | 65.1 | 25.4 | M18 | 6 460 | UC212D1 | 35 |
| | UCM212-80 | 120 | 1220 | 1160 | 800 | 1110 | 180 | 240 | 65.1 | 25.4 | M18 | 6 460 | UC212D1 | 36 |
| | UCM212-90 | 120 | 1320 | 1260 | 900 | 1210 | 180 | 240 | 65.1 | 25.4 | M18 | 6 460 | UC212D1 | 38 |
| | UCM213-50 | 125 | 940 | 880 | 500 | 830 | 190 | 250 | 65.1 | 25.4 | M18 | 6 460 | UC213D1 | 30 |
| | UCM213-60 | 125 | 1040 | 980 | 600 | 930 | 190 | 250 | 65.1 | 25.4 | M18 | 6 460 | UC213D1 | 31 |
| 65 | UCM213-70 | 125 | 1140 | 1080 | 700 | 1030 | 190 | 250 | 65.1 | 25.4 | M18 | 6 460 | UC213D1 | 36 |
| | UCM213-80 | 125 | 1240 | 1180 | 800 | 1130 | 190 | 250 | 65.1 | 25.4 | M18 | 6 460 | UC213D1 | 38 |
| | UCM213-90 | 125 | 1340 | 1280 | 900 | 1230 | 190 | 250 | 65.1 | 25.4 | M18 | 6 460 | UC213D1 | 40 |

**Notes** (1) If relubricatable type is needed, please order with suffix "D1".
(2) The Stretcher Units is designed to only take a horizontal radial load, in line with the adjustment direction. Axial loads or vertical radial loads can deform or break the housing.

## Take-up type M stretcher units™
## Set screw type

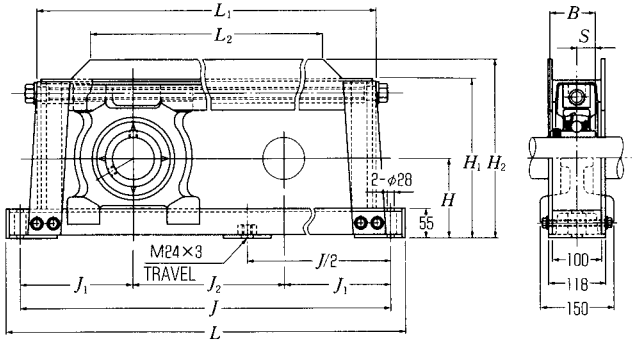



| Shaft dia. | Unit number (1) | Nominal dimensions | | | | | | | | | Bolt size | Max. load (2) recommended | Bearing number | Mass of unit |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | mm | | | | | | | | | | | | |
| mm | | $H$ | $L$ | $J$ | $J_2$ | $L_1$ | $J_1$ | $H_1$ | $B$ | $S$ | | N | | kg |
| | UCM313-50 | 145 | 940 | 880 | 500 | 830 | 190 | 285 | 75 | 30 | M18 | 16 260 | UC313D1 | 47 |
| | UCM313-60 | 145 | 1040 | 980 | 600 | 930 | 190 | 285 | 75 | 30 | M18 | 16 260 | UC313D1 | 50 |
| 65 | UCM313-70 | 145 | 1140 | 1080 | 700 | 1030 | 190 | 285 | 75 | 30 | M18 | 16 260 | UC313D1 | 53 |
| | UCM313-80 | 145 | 1240 | 1180 | 800 | 1130 | 190 | 285 | 75 | 30 | M18 | 16 260 | UC313D1 | 55 |
| | UCM313-90 | 145 | 1340 | 1280 | 900 | 1230 | 190 | 285 | 75 | 30 | M18 | 16 260 | UC313D1 | 58 |
| | UCM314-50 | 150 | 960 | 900 | 500 | 850 | 200 | 295 | 78 | 33 | M18 | 19 600 | UC314D1 | 49 |
| | UCM314-60 | 150 | 1060 | 1000 | 600 | 950 | 200 | 295 | 78 | 33 | M18 | 19 600 | UC314D1 | 52 |
| 70 | UCM314-70 | 150 | 1160 | 1100 | 700 | 1050 | 200 | 295 | 78 | 33 | M18 | 19 600 | UC314D1 | 55 |
| | UCM314-80 | 150 | 1260 | 1200 | 800 | 1150 | 200 | 295 | 78 | 33 | M18 | 19 600 | UC314D1 | 58 |
| | UCM314-90 | 150 | 1360 | 1300 | 900 | 1250 | 200 | 295 | 78 | 33 | M18 | 19 600 | UC314D1 | 61 |
| | UCM315-50 | 155 | 980 | 920 | 500 | 870 | 210 | 305 | 82 | 32 | M18 | 19 600 | UC315D1 | 52 |
| | UCM315-60 | 155 | 1080 | 1020 | 600 | 970 | 210 | 305 | 82 | 32 | M18 | 19 600 | UC315D1 | 55 |
| 75 | UCM315-70 | 155 | 1180 | 1120 | 700 | 1070 | 210 | 305 | 82 | 32 | M18 | 19 600 | UC315D1 | 58 |
| | UCM315-80 | 155 | 1280 | 1220 | 800 | 1170 | 210 | 305 | 82 | 32 | M18 | 19 600 | UC315D1 | 60 |
| | UCM315-90 | 155 | 1380 | 1320 | 900 | 1270 | 210 | 305 | 82 | 32 | M18 | 19 600 | UC315D1 | 63 |
| | UCM316-50 | 160 | 1000 | 940 | 500 | 890 | 220 | 315 | 86 | 34 | M18 | 19 600 | UC316D1 | 54 |
| | UCM316-60 | 160 | 1100 | 1040 | 600 | 990 | 220 | 315 | 86 | 34 | M18 | 19 600 | UC316D1 | 57 |
| 80 | UCM316-70 | 160 | 1200 | 1140 | 700 | 1090 | 220 | 315 | 86 | 34 | M18 | 19 600 | UC316D1 | 60 |
| | UCM316-80 | 160 | 1300 | 1240 | 800 | 1190 | 220 | 315 | 86 | 34 | M18 | 19 600 | UC316D1 | 63 |
| | UCM316-90 | 160 | 1400 | 1340 | 900 | 1290 | 220 | 315 | 86 | 34 | M18 | 19 600 | UC316D1 | 66 |
| | UCM317-50 | 165 | 1020 | 960 | 500 | 910 | 230 | 325 | 96 | 40 | M18 | 19 600 | UC317D1 | 60 |
| | UCM317-60 | 165 | 1120 | 1060 | 600 | 1010 | 230 | 325 | 96 | 40 | M18 | 19 600 | UC317D1 | 63 |
| 85 | UCM317-70 | 165 | 1220 | 1160 | 700 | 1110 | 230 | 325 | 96 | 40 | M18 | 19 600 | UC317D1 | 65 |
| | UCM317-80 | 165 | 1320 | 1260 | 800 | 1210 | 230 | 325 | 96 | 40 | M18 | 19 600 | UC317D1 | 68 |
| | UCM317-90 | 165 | 1420 | 1360 | 900 | 1310 | 230 | 325 | 96 | 40 | M18 | 19 600 | UC317D1 | 71 |

**Notes** (1) If relubricatable type is needed, please order with suffix "D1".
(2) The Stretcher Units is designed to only take a horizontal radial load, in line with the adjustment direction. Axial loads or vertical radial loads can deform or break the housing.



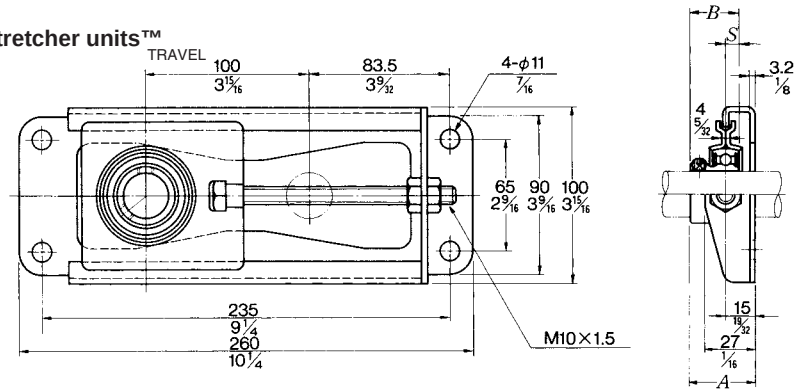





| Shaft dia. | Unit number (1) | Nominal dimensions | | | | | | | | | | | Bolt size | Max. load (2) recommended | Bearing number | Mass of unit |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | mm | | | | | | | | | | | | | | |
| mm | | $H$ | $L$ | $J$ | $J_2$ | $L_1$ | $L_2$ | $J_1$ | $H_1$ | $H_2$ | $B$ | $S$ | | N | | kg |
| | UCM318-50 | 170 | 1050 | 990 | 500 | 940 | — | 245 | 335 | — | 96 | 40 | M18 | 19 600 | UC318D1 | 65 |
| | UCM318-60 | 170 | 1150 | 1090 | 600 | 1040 | — | 245 | 335 | — | 96 | 40 | M18 | 19 600 | UC318D1 | 68 |
| 90 | UCM318-70 | 170 | 1250 | 1190 | 700 | 1140 | — | 245 | 335 | — | 96 | 40 | M18 | 19 600 | UC318D1 | 71 |
| | UCM318-80 | 170 | 1350 | 1290 | 800 | 1240 | — | 245 | 335 | — | 96 | 40 | M18 | 19 600 | UC318D1 | 74 |
| | UCM318-90 | 170 | 1450 | 1390 | 900 | 1340 | — | 245 | 335 | — | 96 | 40 | M18 | 19 600 | UC318D1 | 77 |
| | UCM319-50 | 185 | 1180 | 1100 | 500 | 1021 | 775 | 300 | 377 | 400 | 103 | 41 | M24 | 19 600 | UC319D1 | 105 |
| | UCM319-60 | 185 | 1280 | 1200 | 600 | 1121 | 875 | 300 | 377 | 400 | 103 | 41 | M24 | 19 600 | UC319D1 | 109 |
| 95 | UCM319-70 | 185 | 1380 | 1300 | 700 | 1221 | 975 | 300 | 377 | 400 | 103 | 41 | M24 | 19 600 | UC319D1 | 112 |
| | UCM319-80 | 185 | 1480 | 1400 | 800 | 1321 | 1075 | 300 | 377 | 400 | 103 | 41 | M24 | 19 600 | UC319D1 | 116 |
| | UCM319-90 | 185 | 1580 | 1500 | 900 | 1421 | 1175 | 300 | 377 | 400 | 103 | 41 | M24 | 19 600 | UC319D1 | 120 |
| | UCM320-50 | 200 | 1220 | 1140 | 500 | 1063 | 809 | 320 | 403 | 430 | 108 | 42 | M24 | 19 600 | UC320D1 | 111 |
| | UCM320-60 | 200 | 1320 | 1240 | 600 | 1163 | 909 | 320 | 403 | 430 | 108 | 42 | M24 | 19 600 | UC320D1 | 116 |
| 100 | UCM320-70 | 200 | 1420 | 1340 | 700 | 1263 | 1009 | 320 | 403 | 430 | 108 | 42 | M24 | 19 600 | UC320D1 | 120 |
| | UCM320-80 | 200 | 1520 | 1440 | 800 | 1363 | 1109 | 320 | 403 | 430 | 108 | 42 | M24 | 19 600 | UC320D1 | 124 |
| | UCM320-90 | 200 | 1620 | 1540 | 900 | 1463 | 1209 | 320 | 403 | 430 | 108 | 42 | M24 | 19 600 | UC320D1 | 129 |

**Notes** (1) If relubricatable type is needed, please order with suffix "D1".
(2) The Stretcher Units is designed to only take a horizontal radial load, in line with the adjustment direction. Axial loads or vertical radial loads can deform or break the housing.

## Take-up mini stretcher units™
## Set screw type

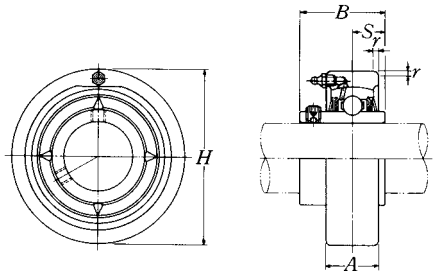



| Shaft dia. mm / inch | Unit number | Nominal dimensions mm inch A | B | S | Bolt size mm / inch | Max. load (1) recommended N lbf |
|---|---|---|---|---|---|---|
| 12<br>1/2 | ASPT201-10<br>ASPT201-008-10 | 31<br>1 7/32 | 22<br>0.8661 | 6<br>0.236 | M10<br>3/8 | 3 430<br>770 |
| 15<br>9/16<br>5/8 | ASPT202-10<br>ASPT202-009-10<br>ASPT202-010-10 | 31<br>1 7/32 | 22<br>0.8661 | 6<br>0.236 | M10<br>3/8 | 3 430<br>770 |
| 17<br>11/16 | ASPT203-10<br>ASPT203-011-10 | 31<br>1 7/32 | 22<br>0.8661 | 6<br>0.236 | M10<br>3/8 | 3 430<br>770 |
| 20<br>3/4 | ASPT204-10<br>ASPT204-012-10 | 33<br>1 19/64 | 25<br>0.9843 | 7<br>0.276 | M10<br>3/8 | 3 430<br>770 |
| 25<br>13/16<br>7/8<br>15/16<br>1 | ASPT205-10<br>ASPT205-013-10<br>ASPT205-014-10<br>ASPT205-015-10<br>ASPT205-100-10 | 34.5<br>1 23/64 | 27<br>1.0630 | 7.5<br>0.295 | M10<br>3/8 | 3 430<br>770 |

| Bearing number | Mass of unit kg lb |
|---|---|
| AS201<br>AS201-008 | 1.1<br>2.4 |
| AS202<br>AS202-009<br>AS202-010 | 1.1<br>2.4 |
| AS203<br>AS203-011 | 1.1<br>2.4 |
| AS204<br>AS204-012 | 1.1<br>2.4 |
| AS205<br>AS205-013<br>AS205-014<br>AS205-015<br>AS205-100 | 1.1<br>2.4 |

**Note** (1) The Stretcher Units is designed to only take a horizontal radial load, in line with the adjustment direction. Axial loads or vertical radial loads can deform or break the housing.

## Cartridge unit, cast housing
## Set screw type

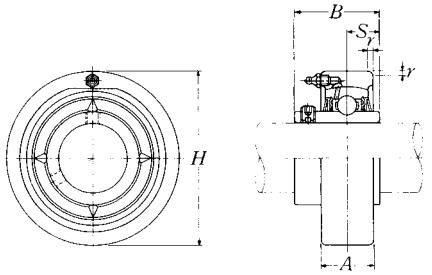



| Shaft dia. mm / inch | Unit number (1) | Nominal dimensions mm / inch H | A | r | B | S | Bearing number | Housing number | Mass of unit kg / lb |
|---|---|---|---|---|---|---|---|---|---|
| 12 | **UCC201D1** | 72 | 20 | 2 | 31 | 12.7 | UC201D1 | C204D1 | 0.5 |
| 1/2 | **UCC201-008D1** | 2.8346 | 25/32 | 0.079 | 1.2205 | 0.500 | UC201-008D1 | C204D1 | 1.1 |
| 15 | **UCC202D1** | 72 | 20 | 2 | 31 | 12.7 | UC202D1 | C204D1 | 0.5 |
| 9/16 | **UCC202-009D1** | 2.8346 | 25/32 | 0.079 | 1.2205 | 0.500 | UC202-009D1 | C204D1 | 1.1 |
| 5/8 | **UCC202-010D1** | | | | | | UC202-010D1 | C204D1 | |
| 17 | **UCC203D1** | 72 | 20 | 2 | 31 | 12.7 | UC203D1 | C204D1 | 0.5 |
| 11/16 | **UCC203-011D1** | 2.8346 | 25/32 | 0.079 | 1.2205 | 0.500 | UC203-011D1 | C204D1 | 1.1 |
| 20 | **UCC204D1** | 72 | 20 | 2 | 31 | 12.7 | UC204D1 | C204D1 | 0.5 |
| 3/4 | **UCC204-012D1** | 2.8346 | 25/32 | 0.079 | 1.2205 | 0.500 | UC204-012D1 | C204D1 | 1.1 |
| 25 | **UCC205D1** | 80 | 22 | 2 | 34.1 | 14.3 | UC205D1 | C205D1 | 0.6 |
| 13/16 | **UCC205-013D1** | | | | | | UC205-013D1 | C205D1 | |
| 7/8 | **UCC205-014D1** | 3.1496 | 55/64 | 0.079 | 1.3425 | 0.563 | UC205-014D1 | C205D1 | 1.3 |
| 15/16 | **UCC205-015D1** | | | | | | UC205-015D1 | C205D1 | |
| 1 | **UCC205-100D1** | | | | | | UC205-100D1 | C205D1 | |
| 30 | **UCC206D1** | 85 | 27 | 2 | 38.1 | 15.9 | UC206D1 | C206D1 | 0.8 |
| 1 1/16 | **UCC206-101D1** | | | | | | UC206-101D1 | C206D1 | |
| 1 1/8 | **UCC206-102D1** | 3.3465 | 1 1/16 | 0.079 | 1.5000 | 0.626 | UC206-102D1 | C206D1 | 1.8 |
| 1 3/16 | **UCC206-103D1** | | | | | | UC206-103D1 | C206D1 | |
| 1 1/4 | **UCC206-104D1** | | | | | | UC206-104D1 | C206D1 | |
| 35 | **UCC207D1** | 90 | 28 | 2 | 42.9 | 17.5 | UC207D1 | C207D1 | 0.9 |
| 1 1/4 | **UCC207-104D1** | | | | | | UC207-104D1 | C207D1 | |
| 1 5/16 | **UCC207-105D1** | 3.5433 | 1 7/64 | 0.079 | 1.6890 | 0.689 | UC207-105D1 | C207D1 | 2.0 |
| 1 3/8 | **UCC207-106D1** | | | | | | UC207-106D1 | C207D1 | |
| 1 7/16 | **UCC207-107D1** | | | | | | UC207-107D1 | C207D1 | |

**Note** (1) These numbers indicate relubricatable type. If maintenance free type is needed, please order without suffix "D1".
**Remarks** Please refer to page **A21** for size of grease fitting.



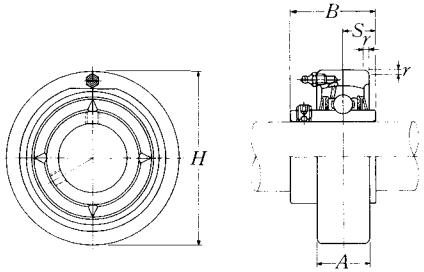





| Shaft dia. mm / inch | Unit number (1) | Nominal dimensions mm / inch H | A | r | B | S | Bearing number | Housing number | Mass of unit kg / lb |
|---|---|---|---|---|---|---|---|---|---|
| 40 | **UCC208D1** | 100 | 30 | 2.5 | 49.2 | 19 | UC208D1 | C208D1 | 1.2 |
| 1 1/2 | **UCC208-108D1** | 3.9370 | 1 3/16 | 0.098 | 1.9370 | 0.748 | UC208-108D1 | C208D1 | 2.6 |
| 1 9/16 | **UCC208-109D1** | | | | | | UC208-109D1 | C208D1 | |
| 45 | **UCC209D1** | 110 | 31 | 2.5 | 49.2 | 19 | UC209D1 | C209D1 | 1.5 |
| 1 5/8 | **UCC209-110D1** | | | | | | UC209-110D1 | C209D1 | |
| 1 11/16 | **UCC209-111D1** | 4.3307 | 1 7/32 | 0.098 | 1.9370 | 0.748 | UC209-111D1 | C209D1 | 3.3 |
| 1 3/4 | **UCC209-112D1** | | | | | | UC209-112D1 | C209D1 | |
| 50 | **UCC210D1** | 120 | 33 | 2.5 | 51.6 | 19 | UC210D1 | C210D1 | 1.9 |
| 1 13/16 | **UCC210-113D1** | | | | | | UC210-113D1 | C210D1 | |
| 1 7/8 | **UCC210-114D1** | 4.7244 | 1 19/64 | 0.098 | 2.0315 | 0.748 | UC210-114D1 | C210D1 | 4.2 |
| 1 15/16 | **UCC210-115D1** | | | | | | UC210-115D1 | C210D1 | |
| 2 | **UCC210-200D1** | | | | | | UC210-200D1 | C210D1 | |
| 55 | **UCC211D1** | 125 | 35 | 2.5 | 55.6 | 22.2 | UC211D1 | C211D1 | 2.1 |
| 2 | **UCC211-200D1** | | | | | | UC211-200D1 | C211D1 | |
| 2 1/16 | **UCC211-201D1** | 4.9213 | 1 3/8 | 0.098 | 2.1890 | 0.874 | UC211-201D1 | C211D1 | 4.6 |
| 2 1/8 | **UCC211-202D1** | | | | | | UC211-202D1 | C211D1 | |
| 2 3/16 | **UCC211-203D1** | | | | | | UC211-203D1 | C211D1 | |
| 60 | **UCC212D1** | 130 | 38 | 2.5 | 65.1 | 25.4 | UC212D1 | C212D1 | 2.5 |
| 2 1/4 | **UCC212-204D1** | | | | | | UC212-204D1 | C212D1 | |
| 2 5/16 | **UCC212-205D1** | 5.1181 | 1 1/2 | 0.098 | 2.5630 | 1.000 | UC212-205D1 | C212D1 | 5.5 |
| 2 3/8 | **UCC212-206D1** | | | | | | UC212-206D1 | C212D1 | |
| 2 7/16 | **UCC212-207D1** | | | | | | UC212-207D1 | C212D1 | |
| 65 | **UCC213D1** | 140 | 40 | 3 | 65.1 | 25.4 | UC213D1 | C213D1 | 3.0 |
| 2 1/2 | **UCC213-208D1** | 5.5118 | 1 37/64 | 0.118 | 2.5630 | 1.000 | UC213-208D1 | C213D1 | 6.6 |
| 2 9/16 | **UCC213-209D1** | | | | | | UC213-209D1 | C213D1 | |

**Note** (1) These numbers indicate relubricatable type. If maintenance free type is needed, please order without suffix "D1".
**Remarks** Please refer to page **A21** for size of grease fitting.

## Cartridge unit, cast housing
## Set screw type

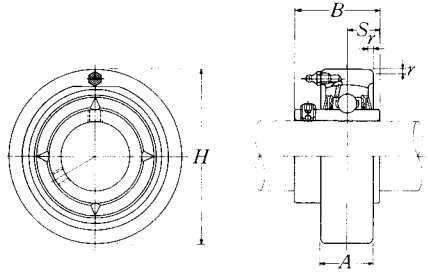



| Shaft dia. mm / inch | Unit number (1) | Nominal dimensions mm / inch H | A | r | B | S | Bearing number | Housing number | Mass of unit kg / lb |
|---|---|---|---|---|---|---|---|---|---|
| 25 | UCC305D1 | 90 | 26 | 2.5 | 38 | 15 | UC305D1 | C305D1 | 1.0 |
| 13/16 | UCC305-013D1 | | | | | | UC305-013D1 | C305D1 | |
| 7/8 | UCC305-014D1 | 3.5433 | 1 1/32 | 0.098 | 1.4961 | 0.591 | UC305-014D1 | C305D1 | 2.2 |
| 15/16 | UCC305-015D1 | | | | | | UC305-015D1 | C305D1 | |
| 1 | UCC305-100D1 | | | | | | UC305-100D1 | C305D1 | |
| 30 | UCC306D1 | 100 | 28 | 2.5 | 43 | 17 | UC306D1 | C306D1 | 1.3 |
| 1 1/16 | UCC306-101D1 | | | | | | UC306-101D1 | C306D1 | |
| 1 1/8 | UCC306-102D1 | 3.9370 | 1 7/64 | 0.098 | 1.6929 | 0.669 | UC306-102D1 | C306D1 | 2.9 |
| 1 3/16 | UCC306-103D1 | | | | | | UC306-103D1 | C306D1 | |
| 35 | UCC307D1 | 110 | 32 | 3 | 48 | 19 | UC307D1 | C307D1 | 1.7 |
| 1 1/4 | UCC307-104D1 | | | | | | UC307-104D1 | C307D1 | |
| 1 5/16 | UCC307-105D1 | 4.3307 | 1 17/64 | 0.118 | 1.8898 | 0.748 | UC307-105D1 | C307D1 | 3.7 |
| 1 3/8 | UCC307-106D1 | | | | | | UC307-106D1 | C307D1 | |
| 1 7/16 | UCC307-107D1 | | | | | | UC307-107D1 | C307D1 | |
| 40 | UCC308D1 | 120 | 34 | 3 | 52 | 19 | UC308D1 | C308D1 | 2.1 |
| 1 1/2 | UCC308-108D1 | 4.7244 | 1 11/32 | 0.118 | 2.0472 | 0.748 | UC308-108D1 | C308D1 | 4.6 |
| 1 9/16 | UCC308-109D1 | | | | | | UC308-109D1 | C308D1 | |
| 45 | UCC309D1 | 130 | 38 | 3.5 | 57 | 22 | UC309D1 | C309D1 | 2.7 |
| 1 5/8 | UCC309-110D1 | | | | | | UC309-110D1 | C309D1 | |
| 1 11/16 | UCC309-111D1 | 5.1181 | 1 1/2 | 0.138 | 2.2441 | 0.866 | UC309-111D1 | C309D1 | 6.0 |
| 1 3/4 | UCC309-112D1 | | | | | | UC309-112D1 | C309D1 | |
| 50 | UCC310D1 | 140 | 40 | 3.5 | 61 | 22 | UC310D1 | C310D1 | 3.3 |
| 1 13/16 | UCC310-113D1 | | | | | | UC310-113D1 | C310D1 | |
| 1 7/8 | UCC310-114D1 | 5.5118 | 1 37/64 | 0.138 | 2.4016 | 0.866 | UC310-114D1 | C310D1 | 7.3 |
| 1 15/16 | UCC310-115D1 | | | | | | UC310-115D1 | C310D1 | |

**Note** (1) These numbers indicate relubricatable type. If maintenance free type is needed, please order without suffix "D1".
**Remarks** Please refer to page **A21** for size of grease fitting.



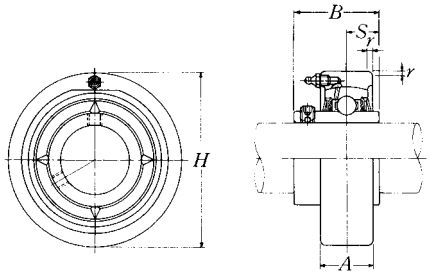





| Shaft dia. mm / inch | Unit number (1) | Nominal dimensions mm / inch H | A | r | B | S | Bearing number | Housing number | Mass of unit kg / lb |
|---|---|---|---|---|---|---|---|---|---|
| 55 | UCC311D1 | 150 | 44 | 3.5 | 66 | 25 | UC311D1 | C311D1 | 4.0 |
| 2 | UCC311-200D1 | | | | | | UC311-200D1 | C311D1 | |
| 2 1/16 | UCC311-201D1 | 5.9055 | 1 47/64 | 0.138 | 2.5984 | 0.984 | UC311-201D1 | C311D1 | 8.8 |
| 2 1/8 | UCC311-202D1 | | | | | | UC311-202D1 | C311D1 | |
| 2 3/16 | UCC311-203D1 | | | | | | UC311-203D1 | C311D1 | |
| 60 | UCC312D1 | 160 | 46 | 3.5 | 71 | 26 | UC312D1 | C312D1 | 4.8 |
| 2 1/4 | UCC312-204D1 | | | | | | UC312-204D1 | C312D1 | |
| 2 5/16 | UCC312-205D1 | 6.2992 | 1 13/16 | 0.138 | 2.7953 | 1.024 | UC312-205D1 | C312D1 | 11 |
| 2 3/8 | UCC312-206D1 | | | | | | UC312-206D1 | C312D1 | |
| 2 7/16 | UCC312-207D1 | | | | | | UC312-207D1 | C312D1 | |
| 65 | UCC313D1 | 170 | 50 | 3.5 | 75 | 30 | UC313D1 | C313D1 | 5.8 |
| 2 1/2 | UCC313-208D1 | 6.6929 | 1 31/32 | 0.138 | 2.9528 | 1.181 | UC313-208D1 | C313D1 | 13 |
| 2 9/16 | UCC313-209D1 | | | | | | UC313-209D1 | C313D1 | |
| 70 | UCC314D1 | 180 | 52 | 4 | 78 | 33 | UC314D1 | C314D1 | 6.8 |
| 2 5/8 | UCC314-210D1 | | | | | | UC314-210D1 | C314D1 | |
| 2 11/16 | UCC314-211D1 | 7.0866 | 2 3/64 | 0.157 | 3.0709 | 1.299 | UC314-211D1 | C314D1 | 15 |
| 2 3/4 | UCC314-212D1 | | | | | | UC314-212D1 | C314D1 | |
| 75 | UCC315D1 | 190 | 55 | 4 | 82 | 32 | UC315D1 | C315D1 | 7.9 |
| 2 13/16 | UCC315-213D1 | | | | | | UC315-213D1 | C315D1 | |
| 2 7/8 | UCC315-214D1 | 7.4803 | 2 11/64 | 0.157 | 3.2283 | 1.260 | UC315-214D1 | C315D1 | 17 |
| 2 15/16 | UCC315-215D1 | | | | | | UC315-215D1 | C315D1 | |
| 3 | UCC315-300D1 | | | | | | UC315-300D1 | C315D1 | |
| 80 | UCC316D1 | 200 | 60 | 4 | 86 | 34 | UC316D1 | C316D1 | 9.3 |
| 3 1/16 | UCC316-301D1 | | | | | | UC316-301D1 | C316D1 | |
| 3 1/8 | UCC316-302D1 | 7.8740 | 2 23/64 | 0.157 | 3.3858 | 1.339 | UC316-302D1 | C316D1 | 21 |
| 3 3/16 | UCC316-303D1 | | | | | | UC316-303D1 | C316D1 | |

**Note** (1) These numbers indicate relubricatable type. If maintenance free type is needed, please order without suffix "D1".
**Remarks** Please refer to page **A21** for size of grease fitting.

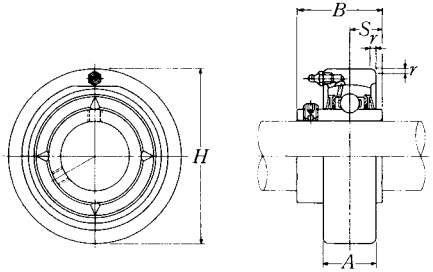
## Cartridge unit, cast housing
## Set screw type




| Shaft dia. mm / inch | Unit number (1) | Nominal dimensions mm inch H | A | r | B | S | Bearing number | Housing number | Mass of unit kg lb |
|---|---|---|---|---|---|---|---|---|---|
| 85 | **UCC317D1** | 215 | 64 | 4 | 96 | 40 | UC317D1 | C317D1 | 11 |
| 3 1/4 | **UCC317-304D1** | | | | | | UC317-304D1 | C317D1 | |
| 3 5/16 | **UCC317-305D1** | 8.4646 | 2 33/64 | 0.157 | 3.7795 | 1.575 | UC317-305D1 | C317D1 | 24 |
| 3 7/16 | **UCC317-307D1** | | | | | | UC317-307D1 | C317D1 | |
| 90 | **UCC318D1** | 225 | 66 | 4 | 96 | 40 | UC318D1 | C318D1 | 13 |
| 3 1/2 | **UCC318-308D1** | 8.8583 | 2 19/32 | 0.157 | 3.7795 | 1.575 | UC318-308D1 | C318D1 | 29 |
| 95 | **UCC319D1** | 240 | 72 | 4 | 103 | 41 | UC319D1 | C319D1 | 16 |
| 3 5/8 | **UCC319-310D1** | | | | | | UC319-310D1 | C319D1 | |
| 3 11/16 | **UCC319-311D1** | 9.4488 | 2 53/64 | 0.157 | 4.0551 | 1.614 | UC319-311D1 | C319D1 | 35 |
| 3 3/4 | **UCC319-312D1** | | | | | | UC319-312D1 | C319D1 | |
| 100 | **UCC320D1** | 260 | 75 | 4 | 108 | 42 | UC320D1 | C320D1 | 20 |
| 3 13/16 | **UCC320-313D1** | | | | | | UC320-313D1 | C320D1 | |
| 3 7/8 | **UCC320-314D1** | 10.2362 | 2 61/64 | 0.157 | 4.2520 | 1.654 | UC320-314D1 | C320D1 | 44 |
| 3 15/16 | **UCC320-315D1** | | | | | | UC320-315D1 | C320D1 | |
| 4 | **UCC320-400D1** | | | | | | UC320-400D1 | C320D1 | |
| 105 | **UCC321D1** | 260 | 75 | 4 | 112 | 44 | UC321D1 | C321D1 | 19 |
| 110 | **UCC322D1** | 300 | 80 | 5 | 117 | 46 | UC322D1 | C322D1 | 29 |
| 120 | **UCC324D1** | 320 | 90 | 5 | 126 | 51 | UC324D1 | C324D1 | 36 |
| 130 | **UCC326D1** | 340 | 100 | 5 | 135 | 54 | UC326D1 | C326D1 | 43 |
| 140 | **UCC328D1** | 360 | 100 | 5 | 145 | 59 | UC328D1 | C328D1 | 50 |

**Note** (1) These numbers indicate relubricatable type. If maintenance free type is needed, please order without suffix "D1".
**Remarks** Please refer to page **A21** for size of grease fitting.

## Cartridge unit, cast housing
## Set screw type

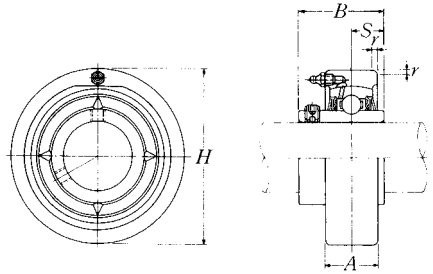



| Shaft dia. mm / inch | Unit number (1) | Nominal dimensions mm / inch H | A | r | B | S | Bearing number | Housing number | Mass of unit kg / lb |
|---|---|---|---|---|---|---|---|---|---|
| 25 | **UCCX05D1** | 90 | 27 | 2 | 38.1 | 15.9 | UCX05D1 | CX05D1 | 1.1 |
| 13/16 | **UCCX05-013D1** | | | | | | UCX05-013D1 | CX05D1 | |
| 7/8 | **UCCX05-014D1** | 3.5433 | 1 1/16 | 0.079 | 1.5000 | 0.626 | UCX05-014D1 | CX05D1 | 2.4 |
| 15/16 | **UCCX05-015D1** | | | | | | UCX05-015D1 | CX05D1 | |
| 1 | **UCCX05-100D1** | | | | | | UCX05-100D1 | CX05D1 | |
| 30 | **UCCX06D1** | 100 | 30 | 2.5 | 42.9 | 17.5 | UCX06D1 | CX06D1 | 1.6 |
| 1 1/16 | **UCCX06-101D1** | | | | | | UCX06-101D1 | CX06D1 | |
| 1 1/8 | **UCCX06-102D1** | 3.9370 | 1 3/16 | 0.098 | 1.6890 | 0.689 | UCX06-102D1 | CX06D1 | 3.5 |
| 1 3/16 | **UCCX06-103D1** | | | | | | UCX06-103D1 | CX06D1 | |
| 1 1/4 | **UCCX06-104D1** | | | | | | UC207-104D1 | CX06D1 | |
| 35 | **UCCX07D1** | 110 | 34 | 2.5 | 49.2 | 19 | UCX07D1 | CX07D1 | 1.8 |
| 1 5/16 | **UCCX07-105D1** | | | | | | UCX07-105D1 | CX07D1 | |
| 1 3/8 | **UCCX07-106D1** | 4.3307 | 1 11/32 | 0.098 | 1.9370 | 0.748 | UCX07-106D1 | CX07D1 | 4.0 |
| 1 7/16 | **UCCX07-107D1** | | | | | | UCX07-107D1 | CX07D1 | |
| 40 | **UCCX08D1** | 120 | 38 | 2.5 | 49.2 | 19 | UCX08D1 | CX08D1 | 2.5 |
| 1 1/2 | **UCCX08-108D1** | 4.7244 | 1 1/2 | 0.098 | 1.9370 | 0.748 | UCX08-108D1 | CX08D1 | 5.5 |
| 1 9/16 | **UCCX08-109D1** | | | | | | UCX08-109D1 | CX08D1 | |
| 45 | **UCCX09D1** | 120 | 38 | 2.5 | 51.6 | 19 | UCX09D1 | CX09D1 | 2.2 |
| 1 5/8 | **UCCX09-110D1** | | | | | | UCX09-110D1 | CX09D1 | |
| 1 11/16 | **UCCX09-111D1** | 4.7244 | 1 1/2 | 0.098 | 2.0315 | 0.748 | UCX09-111D1 | CX09D1 | 4.9 |
| 1 3/4 | **UCCX09-112D1** | | | | | | UCX09-112D1 | CX09D1 | |
| 1 13/16 | **UCCX09-113D1** | | | | | | UC210-113D1 | CX09D1 | |
| 50 | **UCCX10D1** | 130 | 40 | 2.5 | 55.6 | 22.2 | UCX10D1 | CX10D1 | 2.7 |
| 1 7/8 | **UCCX10-114D1** | | | | | | UCX10-114D1 | CX10D1 | |
| 1 15/16 | **UCCX10-115D1** | 5.1181 | 1 37/64 | 0.098 | 2.1890 | 0.874 | UCX10-115D1 | CX10D1 | 6.0 |
| 2 | **UCCX10-200D1** | | | | | | UC211-200D1 | CX10D1 | |

**Note** (1) These numbers indicate relubricatable type. If maintenance free type is needed, please order without suffix "D1".
**Remarks** Please refer to page **A21** for size of grease fitting.



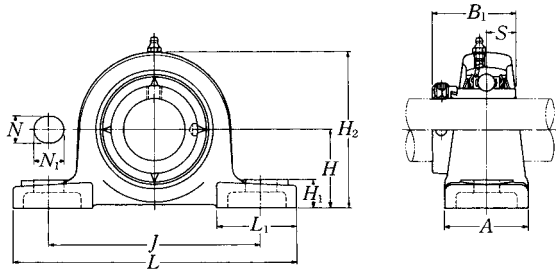





| Shaft dia. mm / inch | Unit number (1) | Nominal dimensions mm / inch H | A | r | B | S | Bearing number | Housing number | Mass of unit kg / lb |
|---|---|---|---|---|---|---|---|---|---|
| 55 | **UCCX11D1** | 150 | 42 | 3 | 65.1 | 25.4 | UCX11D1 | CX11D1 | 4.1 |
| 2 1/16 | **UCCX11-201D1** | | | | | | UCX11-201D1 | CX11D1 | |
| 2 1/8 | **UCCX11-202D1** | | | | | | UCX11-202D1 | CX11D1 | |
| 2 3/16 | **UCCX11-203D1** | 5.9055 | 1 21/32 | 0.118 | 2.5630 | 1.000 | UCX11-203D1 | CX11D1 | 9.0 |
| 2 1/4 | **UCCX11-204D1** | | | | | | UC212-204D1 | CX11D1 | |
| 2 5/16 | **UCCX11-205D1** | | | | | | UC212-205D1 | CX11D1 | |
| 60 | **UCCX12D1** | 160 | 44 | 3 | 65.1 | 25.4 | UCX12D1 | CX12D1 | 3.9 |
| 2 3/8 | **UCCX12-206D1** | 6.2992 | 1 47/64 | 0.118 | 2.5630 | 1.000 | UCX12-206D1 | CX12D1 | 8.6 |
| 2 7/16 | **UCCX12-207D1** | | | | | | UCX12-207D1 | CX12D1 | |

**Note** (1) These numbers indicate relubricatable type. If maintenance free type is needed, please order without suffix "D1".
**Remarks** Please refer to page **A21** for size of grease fitting.

## Pillow block unit, cast housing
## Eccentric locking collar type

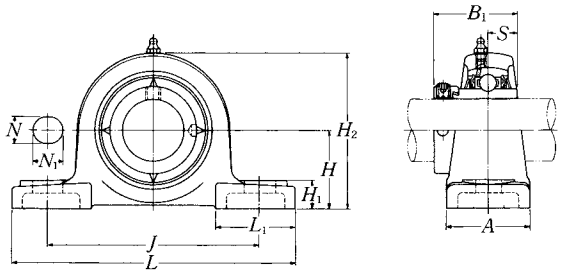



| Shaft dia. mm / inch | Unit number (1) | Nominal dimensions mm / inch H | L | J | A | N | N1 | H1 | H2 | L1 | B1 | S | Bolt size mm / inch |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 20 | UELP204D1W3 | 33.3 | 127 | 95 | 38 | 13 | 16 | 14 | 65 | 42 | 43.7 | 17.1 | M10 |
| 3/4 | UELP204-012D1W3 | 1 5/16 | 5 | 3 3/4 | 1 1/2 | 1/2 | 5/8 | 9/16 | 2 9/16 | 1 21/32 | 1.720 | 0.673 | 3/8 |
| 25 | UELP205D1W3 | 36.5 | 140 | 105 | 38 | 13 | 16 | 15 | 71 | 42 | 44.4 | 17.45 | M10 |
| 13/16 | UELP205-013D1W3 | | | | | | | | | | | | |
| 7/8 | UELP205-014D1W3 | | | | | | | | | | | | |
| 15/16 | UELP205-015D1W3 | 1 7/16 | 5 1/2 | 4 1/8 | 1 1/2 | 1/2 | 5/8 | 19/32 | 2 25/32 | 1 21/32 | 1.748 | 0.687 | 3/8 |
| 1 | UELP205-100D1W3 | | | | | | | | | | | | |
| 30 | UELP206D1W3 | 42.9 | 165 | 121 | 48 | 17 | 20 | 17 | 83 | 54 | 48.4 | 18.25 | M14 |
| 1 1/16 | UELP206-101D1W3 | | | | | | | | | | | | |
| 1 1/8 | UELP206-102D1W3 | | | | | | | | | | | | |
| 1 3/16 | UELP206-103D1W3 | 1 11/16 | 6 1/2 | 4 3/4 | 1 7/8 | 21/32 | 25/32 | 21/32 | 3 9/32 | 2 1/8 | 1.906 | 0.719 | 1/2 |
| 1 1/4 | UELP206-104D1W3 | | | | | | | | | | | | |
| 35 | UELP207D1W3 | 47.6 | 167 | 127 | 48 | 17 | 20 | 18 | 93 | 54 | 51.1 | 18.8 | M14 |
| 1 1/4 | UELP207-104D1W3 | | | | | | | | | | | | |
| 1 5/16 | UELP207-105D1W3 | | | | | | | | | | | | |
| 1 3/8 | UELP207-106D1W3 | 1 7/8 | 6 9/16 | 5 | 1 7/8 | 21/32 | 25/32 | 23/32 | 3 21/32 | 2 1/8 | 2.012 | 0.740 | 1/2 |
| 1 7/16 | UELP207-107D1W3 | | | | | | | | | | | | |
| 40 | UELP208D1W3 | 49.2 | 184 | 137 | 54 | 17 | 20 | 18 | 98 | 52 | 56.3 | 21.4 | M14 |
| 1 1/2 | UELP208-108D1W3 | | | | | | | | | | | | |
| 1 9/16 | UELP208-109D1W3 | 1 15/16 | 7 1/4 | 5 13/32 | 2 1/8 | 21/32 | 25/32 | 23/32 | 3 27/32 | 2 1/16 | 2.217 | 0.843 | 1/2 |
| 45 | UELP209D1W3 | 54 | 190 | 146 | 54 | 17 | 20 | 20 | 106 | 60 | 56.3 | 21.4 | M14 |
| 1 5/8 | UELP209-110D1W3 | | | | | | | | | | | | |
| 1 11/16 | UELP209-111D1W3 | | | | | | | | | | | | |
| 1 3/4 | UELP209-112D1W3 | 2 1/8 | 7 15/32 | 5 3/4 | 2 1/8 | 21/32 | 25/32 | 25/32 | 4 3/16 | 2 3/8 | 2.217 | 0.843 | 1/2 |
| 50 | UELP210D1W3 | 57.2 | 206 | 159 | 60 | 20 | 23 | 21 | 114 | 65 | 62.7 | 24.6 | M16 |
| 1 13/16 | UELP210-113D1W3 | | | | | | | | | | | | |
| 1 7/8 | UELP210-114D1W3 | | | | | | | | | | | | |
| 1 15/16 | UELP210-115D1W3 | 2 1/4 | 8 1/8 | 6 1/4 | 2 3/8 | 25/32 | 29/32 | 13/16 | 4 1/2 | 2 9/16 | 2.469 | 0.969 | 5/8 |
| 2 | UELP210-200D1W3 | | | | | | | | | | | | |

| Bearing number | Housing number | Mass of unit kg / lb |
|---|---|---|
| UEL204D1W3 | P204D1 | 0.8 |
| UEL204-012D1W3 | P204D1 | 1.8 |
| UEL205D1W3 | P205D1 | 0.9 |
| UEL205-013D1W3 | P205D1 | |
| UEL205-014D1W3 | P205D1 | |
| UEL205-015D1W3 | P205D1 | 2.0 |
| UEL205-100D1W3 | P205D1 | |
| UEL206D1W3 | P206D1 | 1.5 |
| UEL206-101D1W3 | P206D1 | |
| UEL206-102D1W3 | P206D1 | |
| UEL206-103D1W3 | P206D1 | 3.3 |
| UEL206-104D1W3 | P206D1 | |
| UEL207D1W3 | P207D1 | 1.8 |
| UEL207-104D1W3 | P207D1 | |
| UEL207-105D1W3 | P207D1 | |
| UEL207-106D1W3 | P207D1 | 4.0 |
| UEL207-107D1W3 | P207D1 | |
| UEL208D1W3 | P208D1 | 2.1 |
| UEL208-108D1W3 | P208D1 | 4.6 |
| UEL208-109D1W3 | P208D1 | |
| UEL209D1W3 | P209D1 | 2.3 |
| UEL209-110D1W3 | P209D1 | |
| UEL209-111D1W3 | P209D1 | 5.1 |
| UEL209-112D1W3 | P209D1 | |
| UEL210D1W3 | P210D1 | 2.9 |
| UEL210-113D1W3 | P210D1 | |
| UEL210-114D1W3 | P210D1 | 6.4 |
| UEL210-115D1W3 | P210D1 | |
| UEL210-200D1W3 | P210D1 | |

**Note** (1) These numbers indicate relubricatable type. If maintenance free type is needed, please order without suffix "D1".
**Remarks** Please refer to page **A21** for size of grease fitting.

## Pillow block unit, cast housing
## Eccentric locking collar type

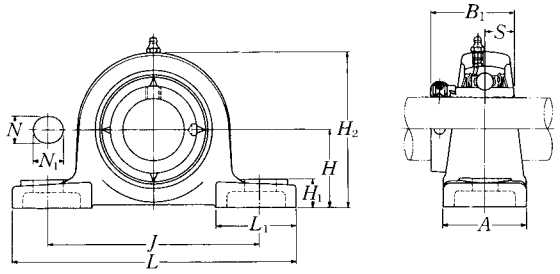



| Shaft dia. mm / inch | Unit number (1) | Nominal dimensions mm / inch | | | | | | | | | | | Bolt size mm / inch |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | $H$ | $L$ | $J$ | $A$ | $N$ | $N_1$ | $H_1$ | $H_2$ | $L_1$ | $B_1$ | $S$ | |
| 55 | **UELP211D1W3** | 63.5 | 219 | 171 | 60 | 20 | 23 | 23 | 126 | 65 | 71.4 | 27.75 | M16 |
| 2 | **UELP211-200D1W3** | | | | | | | | | | | | |
| $2\frac{1}{16}$ | **UELP211-201D1W3** | $2\frac{1}{2}$ | $8\frac{5}{8}$ | $6\frac{23}{32}$ | $2\frac{3}{8}$ | $\frac{25}{32}$ | $\frac{29}{32}$ | $\frac{29}{32}$ | $4\frac{31}{32}$ | $2\frac{9}{16}$ | 2.811 | 1.093 | $\frac{5}{8}$ |
| $2\frac{1}{8}$ | **UELP211-202D1W3** | | | | | | | | | | | | |
| $2\frac{3}{16}$ | **UELP211-203D1W3** | | | | | | | | | | | | |
| 60 | **UELP212D1W3** | 69.8 | 241 | 184 | 70 | 20 | 23 | 25 | 138 | 70 | 77.8 | 30.95 | M16 |
| $2\frac{1}{4}$ | **UELP212-204D1W3** | | | | | | | | | | | | |
| $2\frac{5}{16}$ | **UELP212-205D1W3** | $2\frac{3}{4}$ | $9\frac{1}{2}$ | $7\frac{1}{4}$ | $2\frac{3}{4}$ | $\frac{25}{32}$ | $\frac{29}{32}$ | $\frac{31}{32}$ | $5\frac{7}{16}$ | $2\frac{3}{4}$ | 3.063 | 1.219 | $\frac{5}{8}$ |
| $2\frac{3}{8}$ | **UELP212-206D1W3** | | | | | | | | | | | | |
| $2\frac{7}{16}$ | **UELP212-207D1W3** | | | | | | | | | | | | |
| 65 | **UELP213D1W3** | 76.2 | 265 | 203 | 70 | 25 | 28 | 27 | 151 | 77 | 85.7 | 34.15 | M20 |
| $2\frac{1}{2}$ | **UELP213-208D1W3** | 3 | $10\frac{7}{16}$ | 8 | $2\frac{3}{4}$ | $\frac{31}{32}$ | $1\frac{3}{32}$ | $1\frac{1}{16}$ | $5\frac{15}{16}$ | $3\frac{1}{32}$ | 3.374 | 1.344 | $\frac{3}{4}$ |
| $2\frac{9}{16}$ | **UELP213-209D1W3** | | | | | | | | | | | | |
| 70 | **UELP214D1W3** | 79.4 | 266 | 210 | 72 | 25 | 28 | 27 | 157 | 77 | 85.7 | 34.15 | M20 |
| $2\frac{5}{8}$ | **UELP214-210D1W3** | | | | | | | | | | | | |
| $2\frac{11}{16}$ | **UELP214-211D1W3** | $3\frac{1}{8}$ | $10\frac{15}{32}$ | $8\frac{9}{32}$ | $2\frac{27}{32}$ | $\frac{31}{32}$ | $1\frac{3}{32}$ | $1\frac{1}{16}$ | $6\frac{3}{16}$ | $3\frac{1}{32}$ | 3.374 | 1.344 | $\frac{3}{4}$ |
| $2\frac{3}{4}$ | **UELP214-212D1W3** | | | | | | | | | | | | |
| 75 | **UELP215D1W3** | 82.6 | 275 | 217 | 74 | 25 | 28 | 28 | 163 | 80 | 92 | 37.3 | M20 |
| $2\frac{13}{16}$ | **UELP215-213D1W3** | | | | | | | | | | | | |
| $2\frac{7}{8}$ | **UELP215-214D1W3** | $3\frac{1}{4}$ | $10\frac{13}{16}$ | $8\frac{17}{32}$ | $2\frac{29}{32}$ | $\frac{31}{32}$ | $1\frac{3}{32}$ | $1\frac{3}{32}$ | $6\frac{13}{32}$ | $3\frac{5}{32}$ | 3.622 | 1.469 | $\frac{3}{4}$ |
| $2\frac{15}{16}$ | **UELP215-215D1W3** | | | | | | | | | | | | |
| 3 | **UELP215-300D1W3** | | | | | | | | | | | | |

| Bearing number | Housing number | Mass of unit kg / lb |
|---|---|---|
| UEL211D1W3 | P211D1 | 3.7 |
| UEL211-200D1W3 | P211D1 | |
| UEL211-201D1W3 | P211D1 | 8.2 |
| UEL211-202D1W3 | P211D1 | |
| UEL211-203D1W3 | P211D1 | |
| UEL212D1W3 | P212D1 | 5.0 |
| UEL212-204D1W3 | P212D1 | |
| UEL212-205D1W3 | P212D1 | 11 |
| UEL212-206D1W3 | P212D1 | |
| UEL212-207D1W3 | P212D1 | |
| UEL213D1W3 | P213D1 | 6.2 |
| UEL213-208D1W3 | P213D1 | 14 |
| UEL213-209D1W3 | P213D1 | |
| UEL214D1W3 | P214D1 | 6.9 |
| UEL214-210D1W3 | P214D1 | |
| UEL214-211D1W3 | P214D1 | 15 |
| UEL214-212D1W3 | P214D1 | |
| UEL215D1W3 | P215D1 | 7.6 |
| UEL215-213D1W3 | P215D1 | |
| UEL215-214D1W3 | P215D1 | 17 |
| UEL215-215D1W3 | P215D1 | |
| UEL215-300D1W3 | P215D1 | |

**Note** (1) These numbers indicate relubricatable type. If maintenance free type is needed, please order without suffix "D1".
**Remarks** Please refer to page **A21** for size of grease fitting.

## Pillow block unit, cast housing
## Eccentric locking collar type





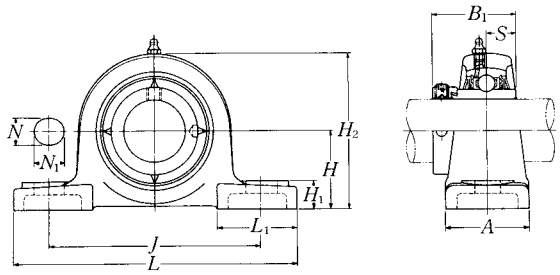


| Shaft dia. mm / inch | Unit number (1) | Nominal dimensions mm / inch | | | | | | | | | | | Bolt size mm / inch |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | $H$ | $L$ | $J$ | $A$ | $N$ | $N_1$ | $H_1$ | $H_2$ | $L_1$ | $B_1$ | $S$ | |
| 25 | UELP305D1W3 | 45 | 175 | 132 | 45 | 17 | 20 | 15 | 85 | 54 | 46.8 | 16.7 | M14 |
| 13/16 | UELP305-013D1W3 | | | | | | | | | | | | |
| 7/8 | UELP305-014D1W3 | 1 49/64 | 6 7/8 | 5 3/16 | 1 25/32 | 21/32 | 25/32 | 19/32 | 3 11/32 | 2 1/8 | 1.843 | 0.657 | 1/2 |
| 15/16 | UELP305-015D1W3 | | | | | | | | | | | | |
| 1 | UELP305-100D1W3 | | | | | | | | | | | | |
| 30 | UELP306D1W3 | 50 | 180 | 140 | 50 | 17 | 20 | 18 | 95 | 54 | 50 | 17.5 | M14 |
| 1 1/16 | UELP306-101D1W3 | | | | | | | | | | | | |
| 1 1/8 | UELP306-102D1W3 | 1 31/32 | 7 3/32 | 5 1/2 | 1 31/32 | 21/32 | 25/32 | 23/32 | 3 3/4 | 2 1/8 | 1.969 | 0.689 | 1/2 |
| 1 3/16 | UELP306-103D1W3 | | | | | | | | | | | | |
| 35 | UELP307D1W3 | 56 | 210 | 160 | 56 | 17 | 25 | 20 | 106 | 60 | 51.6 | 18.3 | M14 |
| 1 1/4 | UELP307-104D1W3 | | | | | | | | | | | | |
| 1 5/16 | UELP307-105D1W3 | 2 13/64 | 8 9/32 | 6 5/16 | 2 7/32 | 21/32 | 31/32 | 25/32 | 4 3/16 | 2 3/8 | 2.031 | 0.720 | 1/2 |
| 1 3/8 | UELP307-106D1W3 | | | | | | | | | | | | |
| 1 7/16 | UELP307-107D1W3 | | | | | | | | | | | | |
| 40 | UELP308D1W3 | 60 | 220 | 170 | 60 | 17 | 27 | 22 | 116 | 60 | 57.1 | 19.8 | M14 |
| 1 1/2 | UELP308-108D1W3 | 2 23/64 | 8 21/32 | 6 11/16 | 2 3/8 | 21/32 | 1 1/16 | 7/8 | 4 9/16 | 2 3/8 | 2.248 | 0.780 | 1/2 |
| 1 9/16 | UELP308-109D1W3 | | | | | | | | | | | | |
| 45 | UELP309D1W3 | 67 | 245 | 190 | 67 | 20 | 30 | 24 | 129 | 65 | 58.7 | 19.8 | M16 |
| 1 5/8 | UELP309-110D1W3 | | | | | | | | | | | | |
| 1 11/16 | UELP309-111D1W3 | 2 41/64 | 9 21/32 | 7 15/32 | 2 5/8 | 25/32 | 1 3/16 | 15/16 | 5 3/32 | 2 9/16 | 2.311 | 0.780 | 5/8 |
| 1 3/4 | UELP309-112D1W3 | | | | | | | | | | | | |
| 50 | UELP310D1W3 | 75 | 275 | 212 | 75 | 20 | 35 | 27 | 143 | 75 | 66.6 | 24.6 | M16 |
| 1 13/16 | UELP310-113D1W3 | | | | | | | | | | | | |
| 1 7/8 | UELP310-114D1W3 | 2 61/64 | 10 13/16 | 8 11/32 | 2 15/16 | 25/32 | 1 3/8 | 1 1/16 | 5 5/8 | 2 15/16 | 2.622 | 0.969 | 5/8 |
| 1 15/16 | UELP310-115D1W3 | | | | | | | | | | | | |

| Bearing number | Housing number | Mass of unit kg / lb |
|---|---|---|
| UEL305D1W3 | P305D1 | 1.5 |
| UEL305-013D1W3 | P305D1 | |
| UEL305-014D1W3 | P305D1 | 3.3 |
| UEL305-015D1W3 | P305D1 | |
| UEL305-100D1W3 | P305D1 | |
| UEL306D1W3 | P306D1 | 1.9 |
| UEL306-101D1W3 | P306D1 | |
| UEL306-102D1W3 | P306D1 | 4.2 |
| UEL306-103D1W3 | P306D1 | |
| UEL307D1W3 | P307D1 | 2.6 |
| UEL307-104D1W3 | P307D1 | |
| UEL307-105D1W3 | P307D1 | 5.7 |
| UEL307-106D1W3 | P307D1 | |
| UEL307-107D1W3 | P307D1 | |
| UEL308D1W3 | P308D1 | 3.2 |
| UEL308-108D1W3 | P308D1 | 7.1 |
| UEL308-109D1W3 | P308D1 | |
| UEL309D1W3 | P309D1 | 4.2 |
| UEL309-110D1W3 | P309D1 | |
| UEL309-111D1W3 | P309D1 | 9.3 |
| UEL309-112D1W3 | P309D1 | |
| UEL310D1W3 | P310D1 | 5.8 |
| UEL310-113D1W3 | P310D1 | |
| UEL310-114D1W3 | P310D1 | 13 |
| UEL310-115D1W3 | P310D1 | |

**Note** (1) These numbers indicate relubricatable type. If maintenance free type is needed, please order without suffix "D1".
**Remarks** Please refer to page **A21** for size of grease fitting.

## Pillow block unit, cast housing
## Eccentric locking collar type





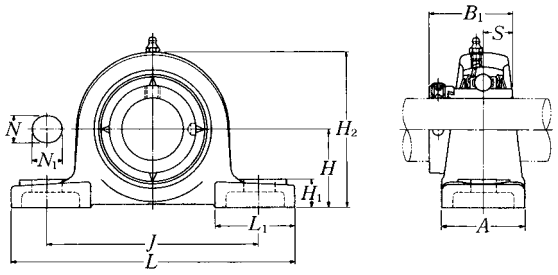


| Shaft dia. mm / inch | Unit number (1) | Nominal dimensions mm / inch H | L | J | A | N | $N_1$ | $H_1$ | $H_2$ | $L_1$ | $B_1$ | S | Bolt size mm / inch |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 55 | **UELP311D1W3** | 80 | 310 | 236 | 80 | 20 | 38 | 30 | 154 | 85 | 73 | 27.8 | M16 |
| 2 | **UELP311-200D1W3** | | | | | | | | | | | | |
| 2 1/16 | **UELP311-201D1W3** | 3 5/32 | 12 7/32 | 9 9/32 | 3 5/32 | 25/32 | 1 1/2 | 1 3/16 | 6 1/16 | 3 11/32 | 2.874 | 1.094 | 5/8 |
| 2 1/8 | **UELP311-202D1W3** | | | | | | | | | | | | |
| 2 3/16 | **UELP311-203D1W3** | | | | | | | | | | | | |
| 60 | **UELP312D1W3** | 85 | 330 | 250 | 85 | 25 | 38 | 32 | 165 | 95 | 79.4 | 30.95 | M20 |
| 2 1/4 | **UELP312-204D1W3** | | | | | | | | | | | | |
| 2 5/16 | **UELP312-205D1W3** | 3 11/32 | 13 | 9 27/32 | 3 11/32 | 31/32 | 1 1/2 | 1 1/4 | 6 1/2 | 3 3/4 | 3.126 | 1.219 | 3/4 |
| 2 3/8 | **UELP312-206D1W3** | | | | | | | | | | | | |
| 2 7/16 | **UELP312-207D1W3** | | | | | | | | | | | | |
| 65 | **UELP313D1W3** | 90 | 340 | 260 | 90 | 25 | 38 | 33 | 176 | 105 | 85.7 | 32.55 | M20 |
| 2 1/2 | **UELP313-208D1W3** | 3 35/64 | 13 3/8 | 10 1/4 | 3 17/32 | 31/32 | 1 1/2 | 1 5/16 | 6 15/16 | 4 1/8 | 3.374 | 1.281 | 3/4 |
| 2 9/16 | **UELP313-209D1W3** | | | | | | | | | | | | |
| 70 | **UELP314D1W3** | 95 | 360 | 280 | 90 | 27 | 40 | 35 | 187 | 105 | 92.1 | 34.15 | M22 |
| 2 5/8 | **UELP314-210D1W3** | | | | | | | | | | | | |
| 2 11/16 | **UELP314-211D1W3** | 3 47/64 | 14 3/16 | 11 1/32 | 3 17/32 | 1 1/16 | 1 9/16 | 1 3/8 | 7 3/8 | 4 1/8 | 3.626 | 1.344 | 7/8 |
| 2 3/4 | **UELP314-212D1W3** | | | | | | | | | | | | |
| 75 | **UELP315D1W3** | 100 | 380 | 290 | 100 | 27 | 40 | 35 | 198 | 110 | 100 | 37.3 | M22 |
| 2 13/16 | **UELP315-213D1W3** | | | | | | | | | | | | |
| 2 7/8 | **UELP315-214D1W3** | 3 15/16 | 14 31/32 | 11 13/32 | 3 15/16 | 1 1/16 | 1 9/16 | 1 3/8 | 7 25/32 | 4 11/32 | 3.937 | 1.469 | 7/8 |
| 2 15/16 | **UELP315-215D1W3** | | | | | | | | | | | | |
| 3 | **UELP315-300D1W3** | | | | | | | | | | | | |
| 80 | **UELP316D1W3** | 106 | 400 | 300 | 110 | 27 | 40 | 40 | 210 | 110 | 106.4 | 40.5 | M22 |
| 3 1/16 | **UELP316-301D1W3** | | | | | | | | | | | | |
| 3 1/8 | **UELP316-302D1W3** | 4 11/64 | 15 3/4 | 11 13/16 | 4 11/32 | 1 1/16 | 1 9/16 | 1 9/16 | 8 9/32 | 4 11/32 | 4.189 | 1.594 | 7/8 |
| 3 3/16 | **UELP316-303D1W3** | | | | | | | | | | | | |

| Bearing number | Housing number | Mass of unit kg / lb |
|---|---|---|
| UEL311D1W3 | P311D1 | 7.6 |
| UEL311-200D1W3 | P311D1 | |
| UEL311-201D1W3 | P311D1 | 17 |
| UEL311-202D1W3 | P311D1 | |
| UEL311-203D1W3 | P311D1 | |
| UEL312D1W3 | P312D1 | 9.7 |
| UEL312-204D1W3 | P312D1 | |
| UEL312-205D1W3 | P312D1 | 21 |
| UEL312-206D1W3 | P312D1 | |
| UEL312-207D1W3 | P312D1 | |
| UEL313D1W3 | P313D1 | 11 |
| UEL313-208D1W3 | P313D1 | 24 |
| UEL313-209D1W3 | P313D1 | |
| UEL314D1W3 | P314D1 | 12 |
| UEL314-210D1W3 | P314D1 | |
| UEL314-211D1W3 | P314D1 | 26 |
| UEL314-212D1W3 | P314D1 | |
| UEL315D1W3 | P315D1 | 15 |
| UEL315-213D1W3 | P315D1 | |
| UEL315-214D1W3 | P315D1 | 33 |
| UEL315-215D1W3 | P315D1 | |
| UEL315-300D1W3 | P315D1 | |
| UEL316D1W3 | P316D1 | 18 |
| UEL316-301D1W3 | P316D1 | |
| UEL316-302D1W3 | P316D1 | 40 |
| UEL316-303D1W3 | P316D1 | |

**Note** (1) These numbers indicate relubricatable type. If maintenance free type is needed, please order without suffix "D1".
**Remarks** Please refer to page **A21** for size of grease fitting.

## Pillow block unit, cast housing
## Eccentric locking collar type

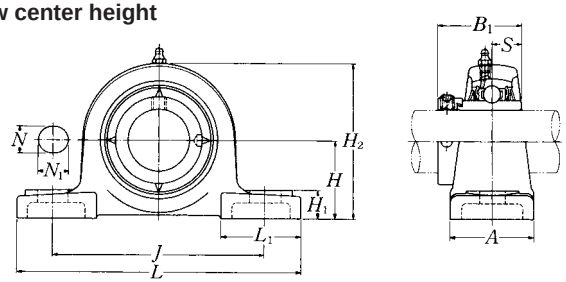



| Shaft dia. mm / inch | Unit number (1) | Nominal dimensions mm / inch | | | | | | | | | | | Bolt size mm / inch |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | $H$ | $L$ | $J$ | $A$ | $N$ | $N_1$ | $H_1$ | $H_2$ | $L_1$ | $B_1$ | $S$ | |
| 85 | UELP317D1W3 | 112 | 420 | 320 | 110 | 33 | 45 | 40 | 220 | 120 | 109.5 | 42.05 | M27 |
| 3 1/4 | UELP317-304D1W3 | | | | | | | | | | | | |
| 3 5/16 | UELP317-305D1W3 | 4 13/32 | 16 17/32 | 12 19/32 | 4 11/32 | 1 5/16 | 1 25/32 | 1 9/16 | 8 21/32 | 4 23/32 | 4.311 | 1.656 | 1 |
| 3 7/16 | UELP317-307D1W3 | | | | | | | | | | | | |
| 90 | UELP318D1W3 | 118 | 430 | 330 | 110 | 33 | 45 | 45 | 235 | 120 | 115.9 | 43.65 | M27 |
| 3 7/16 | UELP318-307D1W3 | 4 41/64 | 16 15/16 | 13 | 4 11/32 | 1 5/16 | 1 25/32 | 1 25/32 | 9 1/4 | 4 23/32 | 4.563 | 1.719 | 1 |
| 3 1/2 | UELP318-308D1W3 | | | | | | | | | | | | |
| 95 | UELP319D1W3 | 125 | 470 | 360 | 120 | 36 | 50 | 45 | 250 | 125 | 122.3 | 38.9 | M30 |
| 3 5/8 | UELP319-310D1W3 | | | | | | | | | | | | |
| 3 11/16 | UELP319-311D1W3 | 4 59/64 | 18 1/2 | 14 3/16 | 4 23/32 | 1 13/32 | 1 31/32 | 1 25/32 | 9 27/32 | 4 29/32 | 4.815 | 1.531 | 1 1/8 |
| 3 3/4 | UELP319-312D1W3 | | | | | | | | | | | | |
| 100 | UELP320D1W3 | 140 | 490 | 380 | 120 | 36 | 50 | 50 | 275 | 130 | 128.6 | 50 | M30 |
| 3 13/16 | UELP320-313D1W3 | | | | | | | | | | | | |
| 3 7/8 | UELP320-314D1W3 | 5 33/64 | 19 9/32 | 14 31/32 | 4 23/32 | 1 13/32 | 1 31/32 | 1 31/32 | 10 13/16 | 5 1/8 | 5.063 | 1.969 | 1 1/8 |
| 3 15/16 | UELP320-315D1W3 | | | | | | | | | | | | |
| 4 | UELP320-400D1W3 | | | | | | | | | | | | |
| 105 | UELP321D1W3 | 140 | 490 | 380 | 120 | 36 | 50 | 50 | 280 | 130 | 139.7 | 48.4 | M30 |
| 110 | UELP322D1W3 | 150 | 520 | 400 | 140 | 40 | 55 | 55 | 300 | 135 | 141.3 | 49.2 | M33 |

| Bearing number | Housing number | Mass of unit kg / lb |
|---|---|---|
| UEL317D1W3 | P317D1 | 21 |
| UEL317-304D1W3 | P317D1 | |
| UEL317-305D1W3 | P317D1 | 46 |
| UEL317-307D1W3 | P317D1 | |
| UEL318D1W3 | P318D1 | 23 |
| UEL318-307D1W3 | P318D1 | |
| UEL318-308D1W3 | P318D1 | 51 |
| UEL319D1W3 | P319D1 | 28 |
| UEL319-310D1W3 | P319D1 | |
| UEL319-311D1W3 | P319D1 | 62 |
| UEL319-312D1W3 | P319D1 | |
| UEL320D1W3 | P320D1 | 35 |
| UEL320-313D1W3 | P320D1 | |
| UEL320-314D1W3 | P320D1 | |
| UEL320-315D1W3 | P320D1 | 77 |
| UEL320-400D1W3 | P320D1 | |
| UEL321D1W3 | P321D1 | 37 |
| UEL322D1W3 | P322D1 | 46 |

**Note** (1) These numbers indicate relubricatable type. If maintenance free type is needed, please order without suffix "D1".
**Remarks** Please refer to page **A21** for size of grease fitting.

## Pillow block unit, cast housing low center height
## Eccentric locking collar type







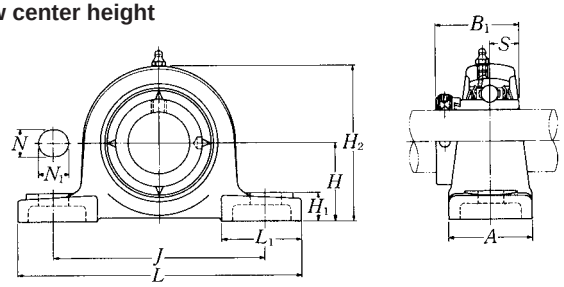
| Shaft dia. mm / inch | Unit number (1)(2)(3) | Nominal dimensions mm / inch | | | | | | | | | | | Bolt size mm / inch |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | H | L | J | A | N | $N_1$ | $H_1$ | $H_2$ | $L_1$ | $B_1$ | S | |
| 20 | UELPL204D1W3 | 31.75 | 127 | 95 | 38 | 13 | 16 | 14 | 64 | 42 | 43.7 | 17.1 | M10 |
| 3/4 | UELPL204-012D1W3 | 1 1/4 | 5 | 3 3/4 | 1 1/2 | 1/2 | 5/8 | 9/16 | 2 17/32 | 1 21/32 | 1.720 | 0.673 | 3/8 |
| 25 | UELPL205D1W3 | 33.34 | 140 | 105 | 38 | 13 | 16 | 15 | 68 | 42 | 44.4 | 17.45 | M10 |
| 13/16 | UELPL205-013D1W3 | | | | | | | | | | | | |
| 7/8 | UELPL205-014D1W3 | | | | | | | | | | | | |
| 15/16 | UELPL205-015D1W3 | 1 5/16 | 5 1/2 | 4 1/8 | 1 1/2 | 1/2 | 5/8 | 19/32 | 2 11/16 | 1 21/32 | 1.748 | 0.687 | 3/8 |
| 1 | UELPL205-100D1W3 | | | | | | | | | | | | |
| 30 | UELPL206D1W3 | 39.69 | 165 | 121 | 48 | 17 | 20 | 17 | 80 | 54 | 48.4 | 18.25 | M14 |
| 1 1/16 | UELPL206-101D1W3 | | | | | | | | | | | | |
| 1 1/8 | UELPL206-102D1W3 | | | | | | | | | | | | |
| 1 3/16 | UELPL206-103D1W3 | 1 9/16 | 6 1/2 | 4 3/4 | 1 7/8 | 21/32 | 25/32 | 21/32 | 3 5/32 | 2 1/8 | 1.906 | 0.719 | 1/2 |
| 1 1/4 | UELPL206-104D1W3 | | | | | | | | | | | | |
| 35 | UELPL207D1W3 | 46.04 | 167 | 127 | 48 | 17 | 20 | 18 | 91 | 54 | 51.1 | 18.8 | M14 |
| 1 1/4 | UELPL207-104D1W3 | | | | | | | | | | | | |
| 1 5/16 | UELPL207-105D1W3 | | | | | | | | | | | | |
| 1 3/8 | UELPL207-106D1W3 | 1 13/16 | 6 9/16 | 5 | 1 7/8 | 21/32 | 25/32 | 23/32 | 3 19/32 | 2 1/8 | 2.012 | 0.740 | 1/2 |
| 1 7/16 | UELPL207-107D1W3 | | | | | | | | | | | | |
| 45 | UELPL209D1W3 | 52.39 | 190 | 146 | 54 | 17 | 20 | 20 | 104 | 60 | 56.3 | 21.4 | M14 |
| 1 5/8 | UELPL209-110D1W3 | | | | | | | | | | | | |
| 1 11/16 | UELPL209-111D1W3 | 2 1/16 | 7 15/32 | 5 3/4 | 2 1/8 | 21/32 | 25/32 | 25/32 | 4 3/32 | 2 3/8 | 2.217 | 0.843 | 1/2 |
| 1 3/4 | UELPL209-112D1W3 | | | | | | | | | | | | |
| 50 | UELPL210D1W3 | 55.56 | 206 | 159 | 60 | 20 | 23 | 21 | 112 | 65 | 62.7 | 24.6 | M16 |
| 1 13/16 | UELPL210-113D1W3 | | | | | | | | | | | | |
| 1 7/8 | UELPL210-114D1W3 | | | | | | | | | | | | |
| 1 15/16 | UELPL210-115D1W3 | 2 3/16 | 8 1/8 | 6 1/4 | 2 3/8 | 25/32 | 29/32 | 13/16 | 4 13/32 | 2 9/16 | 2.469 | 0.969 | 5/8 |
| 2 | UELPL210-200D1W3 | | | | | | | | | | | | |

| Bearing number | Housing number | Mass of unit kg / lb |
|---|---|---|
| UEL204D1W3 | PL204D1 | 0.8 |
| UEL204-012D1W3 | PL204D1 | 1.8 |
| UEL205D1W3 | PL205D1 | 0.9 |
| UEL205-013D1W3 | PL205D1 | |
| UEL205-014D1W3 | PL205D1 | |
| UEL205-015D1W3 | PL205D1 | 2.0 |
| UEL205-100D1W3 | PL205D1 | |
| UEL206D1W3 | PL206D1 | 1.4 |
| UEL206-101D1W3 | PL206D1 | |
| UEL206-102D1W3 | PL206D1 | |
| UEL206-103D1W3 | PL206D1 | 3.1 |
| UEL206-104D1W3 | PL206D1 | |
| UEL207D1W3 | PL207D1 | 1.7 |
| UEL207-104D1W3 | PL207D1 | |
| UEL207-105D1W3 | PL207D1 | |
| UEL207-106D1W3 | PL207D1 | 3.7 |
| UEL207-107D1W3 | PL207D1 | |
| UEL209D1W3 | PL209D1 | 2.3 |
| UEL209-110D1W3 | PL209D1 | |
| UEL209-111D1W3 | PL209D1 | 5.1 |
| UEL209-112D1W3 | PL209D1 | |
| UEL210D1W3 | PL210D1 | 3.0 |
| UEL210-113D1W3 | PL210D1 | |
| UEL210-114D1W3 | PL210D1 | |
| UEL210-115D1W3 | PL210D1 | 6.6 |
| UEL210-200D1W3 | PL210D1 | |

**Notes** (1) These numbers indicate relubricatable type. If maintenance free type is needed, please order without suffix "D1".
(2) UELPL204 and UELPL205 has solid bases.
(3) UELPL208 has the same dimension as UELP208 shown in page **B148**.

**Remarks** Please refer to page **A21** for size of grease fitting.

## Pillow block unit, cast housing low center height
## Eccentric locking collar type





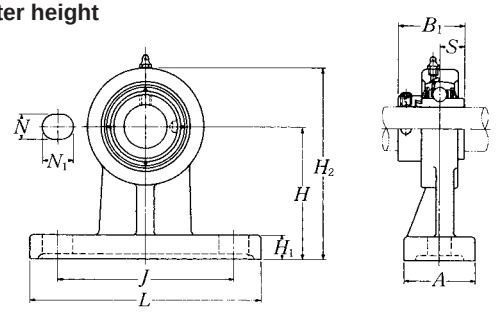


| Shaft dia. mm / inch | Unit number (1) | Nominal dimensions mm / inch H | L | J | A | N | $N_1$ | $H_1$ | $H_2$ | $L_1$ | $B_1$ | S | Bolt size mm / inch |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 55 | **UELPL211D1W3** | 61.91 | 219 | 171 | 60 | 20 | 23 | 23 | 124 | 65 | 71.4 | 27.75 | M16 |
| 2 | **UELPL211-200D1W3** | | | | | | | | | | | | |
| 2 1/16 | **UELPL211-201D1W3** | 2 7/16 | 8 5/8 | 6 23/32 | 2 3/8 | 25/32 | 29/32 | 29/32 | 4 7/8 | 2 9/16 | 2.811 | 1.093 | 5/8 |
| 2 1/8 | **UELPL211-202D1W3** | | | | | | | | | | | | |
| 2 3/16 | **UELPL211-203D1W3** | | | | | | | | | | | | |
| 60 | **UELPL212D1W3** | 68.26 | 241 | 184 | 70 | 20 | 23 | 25 | 136 | 70 | 77.8 | 30.95 | M16 |
| 2 1/4 | **UELPL212-204D1W3** | | | | | | | | | | | | |
| 2 5/16 | **UELPL212-205D1W3** | 2 11/16 | 9 1/2 | 7 1/4 | 2 3/4 | 25/32 | 29/32 | 31/32 | 5 11/32 | 2 3/4 | 3.063 | 1.219 | 5/8 |
| 2 3/8 | **UELPL212-206D1W3** | | | | | | | | | | | | |
| 2 7/16 | **UELPL212-207D1W3** | | | | | | | | | | | | |

| Bearing number | Housing number | Mass of unit kg / lb |
|---|---|---|
| UEL211D1W3 | PL211D1 | 3.7 |
| UEL211-200D1W3 | PL211D1 | |
| UEL211-201D1W3 | PL211D1 | 8.2 |
| UEL211-202D1W3 | PL211D1 | |
| UEL211-203D1W3 | PL211D1 | |
| UEL212D1W3 | PL212D1 | 5.0 |
| UEL212-204D1W3 | PL212D1 | |
| UEL212-205D1W3 | PL212D1 | 11 |
| UEL212-206D1W3 | PL212D1 | |
| UEL212-207D1W3 | PL212D1 | |

**Note** (1) These numbers indicate relubricatable type. If maintenance free type is needed, please order without suffix "D1".
**Remarks** Please refer to page **A21** for size of grease fitting.

## Pillow block unit, cast housing high center height
## Eccentric locking collar type

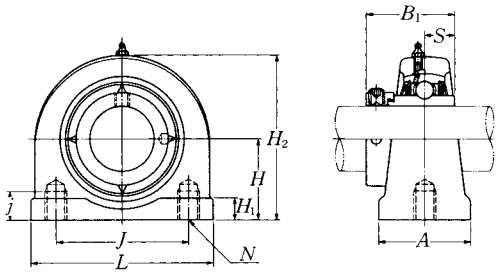



| Shaft dia. mm / inch | Unit number (1) | Nominal dimensions mm / inch | | | | | | | | | | Bolt size mm / inch |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | $H$ | $L$ | $J$ | $A$ | $N$ | $N_1$ | $H_1$ | $H_2$ | $B_1$ | $S$ | |
| 20 | UELHP204D1W3 | 70 | 127 | 95 | 40 | 13 | 19 | 13 | 101 | 43.7 | 17.1 | M10 |
| 3/4 | UELHP204-012D1W3 | 2 3/4 | 5 | 3 3/4 | 1 9/16 | 1/2 | 3/4 | 1/2 | 3 31/32 | 1.720 | 0.673 | 3/8 |
| 25 | UELHP205D1W3 | 80 | 142 | 105 | 50 | 13 | 19 | 13 | 114 | 44.4 | 17.45 | M10 |
| 13/16 | UELHP205-013D1W3 | | | | | | | | | | | |
| 7/8 | UELHP205-014D1W3 | 3 5/32 | 5 19/32 | 4 1/8 | 1 31/32 | 1/2 | 3/4 | 1/2 | 4 1/2 | 1.748 | 0.687 | 3/8 |
| 15/16 | UELHP205-015D1W3 | | | | | | | | | | | |
| 1 | UELHP205-100D1W3 | | | | | | | | | | | |
| 30 | UELHP206D1W3 | 90 | 165 | 120 | 50 | 17 | 21 | 16 | 130 | 48.4 | 18.25 | M14 |
| 1 1/16 | UELHP206-101D1W3 | | | | | | | | | | | |
| 1 1/8 | UELHP206-102D1W3 | 3 35/64 | 6 1/2 | 4 23/32 | 1 31/32 | 21/32 | 13/16 | 5/8 | 5 1/8 | 1.906 | 0.719 | 1/2 |
| 1 3/16 | UELHP206-103D1W3 | | | | | | | | | | | |
| 1 1/4 | UELHP206-104D1W3 | | | | | | | | | | | |
| 35 | UELHP207D1W3 | 95 | 166 | 127 | 60 | 17 | 21 | 18 | 140 | 51.1 | 18.8 | M14 |
| 1 1/4 | UELHP207-104D1W3 | | | | | | | | | | | |
| 1 5/16 | UELHP207-105D1W3 | 3 47/64 | 6 17/32 | 5 | 2 3/8 | 21/32 | 13/16 | 23/32 | 5 1/2 | 2.012 | 0.740 | 1/2 |
| 1 3/8 | UELHP207-106D1W3 | | | | | | | | | | | |
| 1 7/16 | UELHP207-107D1W3 | | | | | | | | | | | |
| 40 | UELHP208D1W3 | 100 | 184 | 136 | 70 | 17 | 21 | 20 | 150 | 56.3 | 21.4 | M14 |
| 1 1/2 | UELHP208-108D1W3 | 3 15/16 | 7 1/4 | 5 11/32 | 2 3/4 | 21/32 | 13/16 | 25/32 | 5 29/32 | 2.217 | 0.843 | 1/2 |
| 1 9/16 | UELHP208-109D1W3 | | | | | | | | | | | |
| 45 | UELHP209D1W3 | 105 | 190 | 146 | 70 | 17 | 22 | 20 | 158 | 56.3 | 21.4 | M14 |
| 1 5/8 | UELHP209-110D1W3 | | | | | | | | | | | |
| 1 11/16 | UELHP209-111D1W3 | 4 9/64 | 7 15/32 | 5 3/4 | 2 3/4 | 21/32 | 7/8 | 25/32 | 6 7/32 | 2.217 | 0.843 | 1/2 |
| 1 3/4 | UELHP209-112D1W3 | | | | | | | | | | | |
| 50 | UELHP210D1W3 | 110 | 206 | 159 | 70 | 20 | 22 | 22 | 165 | 62.7 | 24.6 | M16 |
| 1 13/16 | UELHP210-113D1W3 | | | | | | | | | | | |
| 1 7/8 | UELHP210-114D1W3 | 4 21/64 | 8 1/8 | 6 1/4 | 2 3/4 | 25/32 | 7/8 | 7/8 | 6 1/2 | 2.469 | 0.969 | 5/8 |
| 1 15/16 | UELHP210-115D1W3 | | | | | | | | | | | |
| 2 | UELHP210-200D1W3 | | | | | | | | | | | |

| Bearing number | Housing number | Mass of unit kg / lb |
|---|---|---|
| UEL204D1W3 | HP204D1 | 0.9 |
| UEL204-012D1W3 | HP204D1 | 2.0 |
| UEL205D1W3 | HP205D1 | 1.3 |
| UEL205-013D1W3 | HP205D1 | |
| UEL205-014D1W3 | HP205D1 | |
| UEL205-015D1W3 | HP205D1 | 2.9 |
| UEL205-100D1W3 | HP205D1 | |
| UEL206D1W3 | HP206D1 | 1.9 |
| UEL206-101D1W3 | HP206D1 | |
| UEL206-102D1W3 | HP206D1 | |
| UEL206-103D1W3 | HP206D1 | 4.2 |
| UEL206-104D1W3 | HP206D1 | |
| UEL207D1W3 | HP207D1 | 2.4 |
| UEL207-104D1W3 | HP207D1 | |
| UEL207-105D1W3 | HP207D1 | |
| UEL207-106D1W3 | HP207D1 | 5.3 |
| UEL207-107D1W3 | HP207D1 | |
| UEL208D1W3 | HP208D1 | 3.3 |
| UEL208-108D1W3 | HP208D1 | |
| UEL208-109D1W3 | HP208D1 | 7.3 |
| UEL209D1W3 | HP209D1 | 3.7 |
| UEL209-110D1W3 | HP209D1 | |
| UEL209-111D1W3 | HP209D1 | 8.2 |
| UEL209-112D1W3 | HP209D1 | |
| UEL210D1W3 | HP210D1 | 4.1 |
| UEL210-113D1W3 | HP210D1 | |
| UEL210-114D1W3 | HP210D1 | |
| UEL210-115D1W3 | HP210D1 | 9.0 |
| UEL210-200D1W3 | HP210D1 | |

**Note** (1) These numbers indicate relubricatable type. If maintenance free type is needed, please order without suffix "D1".
**Remarks** Please refer to page **A21** for size of grease fitting.

## Narrow pillow block unit, cast housing
## Eccentric locking collar type

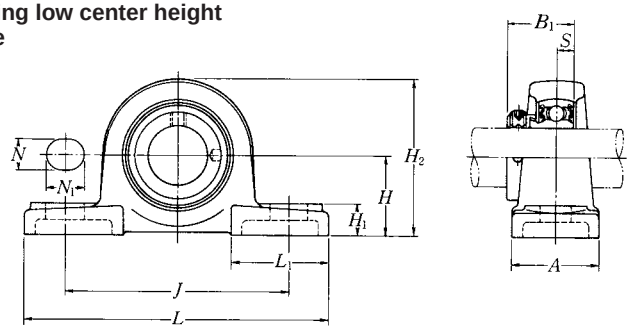



| Shaft dia. mm / inch | Unit number (1) | Nominal dimensions mm / inch | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | $H$ | $L$ | $J$ | $A$ | $j$ | $H_1$ | $H_2$ | $B_1$ | $S$ | $N$ |
| 20 | **UELUP204D1W3** | 30.2 | 76 | 52 | 38 | 13 | 11 | 62 | 43.7 | 17.1 | M10×1.5 |
| 3/4 | **UELUP204-012D1W3** | 1 3/16 | 3 | 2 1/16 | 1 1/2 | 1/2 | 7/16 | 2 7/16 | 1.720 | 0.673 | M10×1.5 |
| 25 | **UELUP205D1W3** | 36.5 | 84 | 56 | 38 | 15 | 12 | 72 | 44.4 | 17.45 | M10×1.5 |
| 13/16 | **UELUP205-013D1W3** | | | | | | | | | | |
| 7/8 | **UELUP205-014D1W3** | | | | | | | | | | |
| 15/16 | **UELUP205-015D1W3** | 1 7/16 | 3 5/16 | 2 7/32 | 1 1/2 | 19/32 | 15/32 | 2 27/32 | 1.748 | 0.687 | M10×1.5 |
| 1 | **UELUP205-100D1W3** | | | | | | | | | | |
| 30 | **UELUP206D1W3** | 42.9 | 94 | 66 | 48 | 18 | 12 | 84 | 48.4 | 18.25 | M14×2 |
| 1 1/16 | **UELUP206-101D1W3** | | | | | | | | | | |
| 1 1/8 | **UELUP206-102D1W3** | | | | | | | | | | |
| 1 3/16 | **UELUP206-103D1W3** | 1 11/16 | 3 11/16 | 2 19/32 | 1 7/8 | 23/32 | 15/32 | 3 5/16 | 1.906 | 0.719 | M14×2 |
| 1 1/4 | **UELUP206-104D1W3** | | | | | | | | | | |
| 35 | **UELUP207D1W3** | 47.6 | 110 | 80 | 48 | 20 | 13 | 95 | 51.1 | 18.8 | M14×2 |
| 1 1/4 | **UELUP207-104D1W3** | | | | | | | | | | |
| 1 5/16 | **UELUP207-105D1W3** | | | | | | | | | | |
| 1 3/8 | **UELUP207-106D1W3** | 1 7/8 | 4 11/32 | 3 5/32 | 1 7/8 | 25/32 | 1/2 | 3 3/4 | 2.012 | 0.740 | M14×2 |
| 1 7/16 | **UELUP207-107D1W3** | | | | | | | | | | |
| 40 | **UELUP208D1W3** | 49.2 | 116 | 84 | 54 | 20 | 13 | 100 | 56.3 | 21.4 | M14×2 |
| 1 1/2 | **UELUP208-108D1W3** | 1 15/16 | 4 9/16 | 3 5/16 | 2 1/8 | 25/32 | 1/2 | 3 15/16 | 2.217 | 0.843 | M14×2 |
| 1 9/16 | **UELUP208-109D1W3** | | | | | | | | | | |
| 45 | **UELUP209D1W3** | 54.2 | 120 | 90 | 54 | 25 | 13 | 108 | 56.3 | 21.4 | M14×2 |
| 1 5/8 | **UELUP209-110D1W3** | | | | | | | | | | |
| 1 11/16 | **UELUP209-111D1W3** | 2 9/64 | 4 23/32 | 3 17/32 | 2 1/8 | 31/32 | 1/2 | 4 1/4 | 2.217 | 0.843 | M14×2 |
| 1 3/4 | **UELUP209-112D1W3** | | | | | | | | | | |
| 50 | **UELUP210D1W3** | 57.2 | 130 | 94 | 60 | 25 | 14 | 116 | 62.7 | 24.6 | M16×2 |
| 1 13/16 | **UELUP210-113D1W3** | | | | | | | | | | |
| 1 7/8 | **UELUP210-114D1W3** | | | | | | | | | | |
| 1 15/16 | **UELUP210-115D1W3** | 2 1/4 | 5 1/8 | 3 11/16 | 2 3/8 | 31/32 | 9/16 | 4 9/16 | 2.469 | 0.969 | M16×2 |
| 2 | **UELUP210-200D1W3** | | | | | | | | | | |

| Bearing number | Housing number | Mass of unit kg / lb |
|---|---|---|
| UEL204D1W3 | UP204D1 | 0.6 |
| UEL204-012D1W3 | UP204D1 | 1.3 |
| UEL205D1W3 | UP205D1 | 0.8 |
| UEL205-013D1W3 | UP205D1 | |
| UEL205-014D1W3 | UP205D1 | |
| UEL205-015D1W3 | UP205D1 | 1.8 |
| UEL205-100D1W3 | UP205D1 | |
| UEL206D1W3 | UP206D1 | 1.3 |
| UEL206-101D1W3 | UP206D1 | |
| UEL206-102D1W3 | UP206D1 | |
| UEL206-103D1W3 | UP206D1 | 2.9 |
| UEL206-104D1W3 | UP206D1 | |
| UEL207D1W3 | UP207D1 | 1.7 |
| UEL207-104D1W3 | UP207D1 | |
| UEL207-105D1W3 | UP207D1 | |
| UEL207-106D1W3 | UP207D1 | 3.7 |
| UEL207-107D1W3 | UP207D1 | |
| UEL208D1W3 | UP208D1 | 2.0 |
| UEL208-108D1W3 | UP208D1 | 4.4 |
| UEL208-109D1W3 | UP208D1 | |
| UEL209D1W3 | UP209D1 | 2.3 |
| UEL209-110D1W3 | UP209D1 | |
| UEL209-111D1W3 | UP209D1 | 5.1 |
| UEL209-112D1W3 | UP209D1 | |
| UEL210D1W3 | UP210D1 | 2.8 |
| UEL210-113D1W3 | UP210D1 | |
| UEL210-114D1W3 | UP210D1 | |
| UEL210-115D1W3 | UP210D1 | 6.2 |
| UEL210-200D1W3 | UP210D1 | |

**Note** (1) These numbers indicate relubricatable type. If maintenance free type is needed, please order without suffix "D1".
**Remarks** Please refer to page **A21** for size of grease fitting.

## Pillow block unit, cast housing low center height
## Eccentric locking collar type





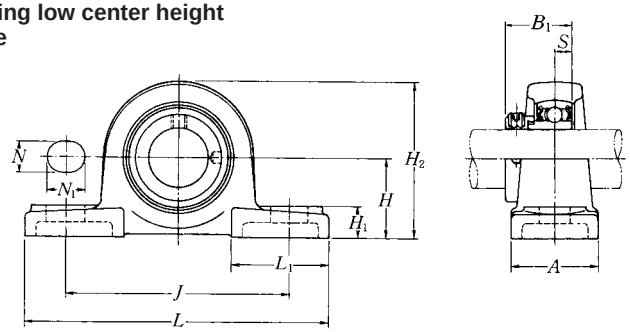


| Shaft dia. mm / inch | Unit number (1)(2) | Nominal dimensions mm / inch: H | L | J | A | N | $N_1$ | $H_1$ | $H_2$ | $L_1$ | $B_1$ | S | Bolt size mm / inch |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 12 | AELPL201W3 | 26.99 | 121 | 89 | 35 | 11 | 14 | 13 | 54 | 40 | 28.6 | 6.5 | M10 |
| 1/2 | AELPL201-008W3 | 1 1/16 | 4 3/4 | 3 1/2 | 1 3/8 | 7/16 | 9/16 | 1/2 | 2 1/8 | 1 9/16 | 1.126 | 0.256 | 3/8 |
| 15 | AELPL202W3 | 26.99 | 121 | 89 | 35 | 11 | 14 | 13 | 54 | 40 | 28.6 | 6.5 | M10 |
| 9/16 | AELPL202-009W3 | | | | | | | | | | | | |
| 5/8 | AELPL202-010W3 | 1 1/16 | 4 3/4 | 3 1/2 | 1 3/8 | 7/16 | 9/16 | 1/2 | 2 1/8 | 1 9/16 | 1.126 | 0.256 | 3/8 |
| 17 | AELPL203W3 | 26.99 | 121 | 89 | 35 | 11 | 14 | 13 | 54 | 40 | 28.6 | 6.5 | M10 |
| 11/16 | AELPL203-011W3 | 1 1/16 | 4 3/4 | 3 1/2 | 1 3/8 | 7/16 | 9/16 | 1/2 | 2 1/8 | 1 9/16 | 1.126 | 0.256 | 3/8 |
| 20 | AELPL204W3 | 31.75 | 127 | 95 | 38 | 13 | 16 | 14 | 64 | 42 | 31 | 7.5 | M10 |
| 3/4 | AELPL204-012W3 | 1 1/4 | 5 | 3 3/4 | 1 1/2 | 1/2 | 5/8 | 9/16 | 2 17/32 | 1 21/32 | 1.220 | 0.295 | 3/8 |
| 25 | AELPL205W3 | 33.34 | 140 | 105 | 38 | 13 | 16 | 15 | 68 | 42 | 31 | 7.5 | M10 |
| 13/16 | AELPL205-013W3 | | | | | | | | | | | | |
| 7/8 | AELPL205-014W3 | | | | | | | | | | | | |
| 15/16 | AELPL205-015W3 | 1 5/16 | 5 1/2 | 4 1/8 | 1 1/2 | 1/2 | 5/8 | 19/32 | 2 11/16 | 1 21/32 | 1.220 | 0.295 | 3/8 |
| 1 | AELPL205-100W3 | | | | | | | | | | | | |
| 30 | AELPL206W3 | 39.69 | 165 | 121 | 48 | 17 | 20 | 17 | 80 | 54 | 35.7 | 9 | M14 |
| 1 1/16 | AELPL206-101W3 | | | | | | | | | | | | |
| 1 1/8 | AELPL206-102W3 | | | | | | | | | | | | |
| 1 3/16 | AELPL206-103W3 | 1 9/16 | 6 1/2 | 4 3/4 | 1 7/8 | 21/32 | 25/32 | 21/32 | 3 5/32 | 2 1/8 | 1.406 | 0.354 | 1/2 |
| 1 1/4 | AELPL206-104W3 | | | | | | | | | | | | |
| 35 | AELPL207W3 | 46.04 | 167 | 127 | 48 | 17 | 20 | 18 | 91 | 54 | 38.9 | 9.5 | M14 |
| 1 1/4 | AELPL207-104W3 | | | | | | | | | | | | |
| 1 5/16 | AELPL207-105W3 | | | | | | | | | | | | |
| 1 3/8 | AELPL207-106W3 | 1 13/16 | 6 9/16 | 5 | 1 7/8 | 21/32 | 25/32 | 23/32 | 3 19/32 | 2 1/8 | 1.531 | 0.374 | 1/2 |
| 1 7/16 | AELPL207-107W3 | | | | | | | | | | | | |

**Notes** (1) AELPL201 to AELPL205 has solid base.
(2) If relubricatable type is needed, please order with suffix "D1".

| Bearing number | Housing number | Mass of unit kg | lb |
|---|---|---|---|
| AEL201W3 | PL201 | 0.5 | |
| AEL201-008W3 | PL201 | 1.1 | |
| AEL202W3 | PL201 | 0.5 | |
| AEL202-009W3 | PL201 | | |
| AEL202-010W3 | PL201 | 1.1 | |
| AEL203W3 | PL201 | 0.5 | |
| AEL203-011W3 | PL201 | 1.1 | |
| AEL204W3 | PL204 | 0.7 | |
| AEL204-012W3 | PL204 | 1.5 | |
| AEL205W3 | PL205 | 0.8 | |
| AEL205-013W3 | PL205 | | |
| AEL205-014W3 | PL205 | | |
| AEL205-015W3 | PL205 | 1.8 | |
| AEL205-100W3 | PL205 | | |
| AEL206W3 | PL206 | 1.3 | |
| AEL206-101W3 | PL206 | | |
| AEL206-102W3 | PL206 | | |
| AEL206-103W3 | PL206 | 2.9 | |
| AEL206-104W3 | PL206 | | |
| AEL207W3 | PL207 | 1.6 | |
| AEL207-104W3 | PL207 | | |
| AEL207-105W3 | PL207 | | |
| AEL207-106W3 | PL207 | 3.5 | |
| AEL207-107W3 | PL207 | | |

## Pillow block unit, cast housing low center height
## Eccentric locking collar type

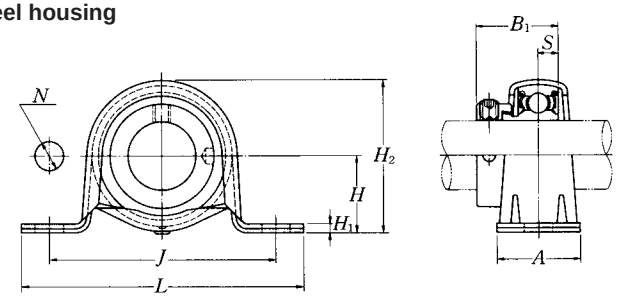



| Shaft dia. mm / inch | Unit number (1)(2) | Nominal dimensions mm / inch | | | | | | | | | | | Bolt size mm / inch |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | $H$ | $L$ | $J$ | $A$ | $N$ | $N_1$ | $H_1$ | $H_2$ | $L_1$ | $B_1$ | $S$ | |
| 12 | JELPL201W3 | 26.99 | 121 | 89 | 35 | 11 | 14 | 13 | 54 | 40 | 28.6 | 6.5 | M10 |
| 1/2 | JELPL201-008W3 | 1 1/16 | 4 3/4 | 3 1/2 | 1 3/8 | 7/16 | 9/16 | 1/2 | 2 1/8 | 1 9/16 | 1.126 | 0.256 | 3/8 |
| 15 | JELPL202W3 | 26.99 | 121 | 89 | 35 | 11 | 14 | 13 | 54 | 40 | 28.6 | 6.5 | M10 |
| 9/16 | JELPL202-009W3 | | | | | | | | | | | | |
| 5/8 | JELPL202-010W3 | 1 1/16 | 4 3/4 | 3 1/2 | 1 3/8 | 7/16 | 9/16 | 1/2 | 2 1/8 | 1 9/16 | 1.126 | 0.256 | 3/8 |
| 17 | JELPL203W3 | 26.99 | 121 | 89 | 35 | 11 | 14 | 13 | 54 | 40 | 28.6 | 6.5 | M10 |
| 11/16 | JELPL203-011W3 | 1 1/16 | 4 3/4 | 3 1/2 | 1 3/8 | 7/16 | 9/16 | 1/2 | 2 1/8 | 1 9/16 | 1.126 | 0.256 | 3/8 |
| 20 | JELPL204W3 | 31.75 | 127 | 95 | 38 | 13 | 16 | 14 | 64 | 42 | 31 | 7.5 | M10 |
| 3/4 | JELPL204-012W3 | 1 1/4 | 5 | 3 3/4 | 1 1/2 | 1/2 | 5/8 | 9/16 | 2 17/32 | 1 21/32 | 1.220 | 0.295 | 3/8 |
| 25 | JELPL205W3 | 33.34 | 140 | 105 | 38 | 13 | 16 | 15 | 68 | 42 | 31 | 7.5 | M10 |
| 13/16 | JELPL205-013W3 | | | | | | | | | | | | |
| 7/8 | JELPL205-014W3 | | | | | | | | | | | | |
| 15/16 | JELPL205-015W3 | 1 5/16 | 5 1/2 | 4 1/8 | 1 1/2 | 1/2 | 5/8 | 19/32 | 2 11/16 | 1 21/32 | 1.220 | 0.295 | 3/8 |
| 1 | JELPL205-100W3 | | | | | | | | | | | | |
| 30 | JELPL206W3 | 39.69 | 165 | 121 | 48 | 17 | 20 | 17 | 80 | 54 | 35.7 | 9 | M14 |
| 1 1/16 | JELPL206-101W3 | | | | | | | | | | | | |
| 1 1/8 | JELPL206-102W3 | | | | | | | | | | | | |
| 1 3/16 | JELPL206-103W3 | 1 9/16 | 6 1/2 | 4 3/4 | 1 7/8 | 21/32 | 25/32 | 21/32 | 3 5/32 | 2 1/8 | 1.406 | 0.354 | 1/2 |
| 1 1/4 | JELPL206-104W3 | | | | | | | | | | | | |
| 35 | JELPL207W3 | 46.04 | 167 | 127 | 48 | 17 | 20 | 18 | 91 | 54 | 38.9 | 9.5 | M14 |
| 1 1/4 | JELPL207-104W3 | | | | | | | | | | | | |
| 1 5/16 | JELPL207-105W3 | | | | | | | | | | | | |
| 1 3/8 | JELPL207-106W3 | 1 13/16 | 6 9/16 | 5 | 1 7/8 | 21/32 | 25/32 | 23/32 | 3 19/32 | 2 1/8 | 1.531 | 0.374 | 1/2 |
| 1 7/16 | JELPL207-107W3 | | | | | | | | | | | | |

| Bearing number | Housing number | Mass of unit kg / lb |
|---|---|---|
| JEL201W3 | PL201 | 0.5 |
| JEL201-008W3 | PL201 | 1.1 |
| JEL202W3 | PL201 | 0.5 |
| JEL202-009W3 | PL201 | |
| JEL202-010W3 | PL201 | 1.1 |
| JEL203W3 | PL201 | 0.5 |
| JEL203-011W3 | PL201 | 1.1 |
| JEL204W3 | PL204 | 0.7 |
| JEL204-012W3 | PL204 | 1.5 |
| JEL205W3 | PL205 | 0.8 |
| JEL205-013W3 | PL205 | |
| JEL205-014W3 | PL205 | |
| JEL205-015W3 | PL205 | 1.8 |
| JEL205-100W3 | PL205 | |
| JEL206W3 | PL206 | 1.3 |
| JEL206-101W3 | PL206 | |
| JEL206-102W3 | PL206 | |
| JEL206-103W3 | PL206 | 2.9 |
| JEL206-104W3 | PL206 | |
| JEL207W3 | PL207 | 1.6 |
| JEL207-104W3 | PL207 | |
| JEL207-105W3 | PL207 | |
| JEL207-106W3 | PL207 | 3.5 |
| JEL207-107W3 | PL207 | |

**Notes** (1) JELPL201 to JELPL205 have solid bases.
(2) If relubricatable type is needed, please order with suffix "D1".

## Pillow block unit, pressed steel housing
## Eccentric locking collar type

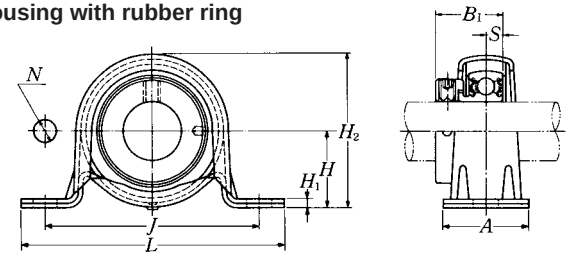



| Shaft dia. mm / inch | Unit number | Nominal dimensions mm inch H | L | J | A | N | $H_1$ | $H_2$ | $B_1$ | S | Bolt size mm / inch |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 12 | AELPP201W3 | 22.2 | 86 | 68 | 25 | 9.5 | 3.2 | 43.8 | 28.6 | 6.5 | M8 |
| 1/2 | AELPP201-008W3 | 7/8 | 3 3/8 | 2 11/16 | 31/32 | 3/8 | 0.126 | 1 23/32 | 1.126 | 0.256 | 5/16 |
| 15 | AELPP202W3 | 22.2 | 86 | 68 | 25 | 9.5 | 3.2 | 43.8 | 28.6 | 6.5 | M8 |
| 9/16 | AELPP202-009W3 | | | | | | | | | | |
| 5/8 | AELPP202-010W3 | 7/8 | 3 3/8 | 2 11/16 | 31/32 | 3/8 | 0.126 | 1 23/32 | 1.126 | 0.256 | 5/16 |
| 17 | AELPP203W3 | 22.2 | 86 | 68 | 25 | 9.5 | 3.2 | 43.8 | 28.6 | 6.5 | M8 |
| 11/16 | AELPP203-011W3 | 7/8 | 3 3/8 | 2 11/16 | 31/32 | 3/8 | 0.126 | 1 23/32 | 1.126 | 0.256 | 5/16 |
| 20 | AELPP204W3 | 25.4 | 98 | 76 | 32 | 9.5 | 3.2 | 50.5 | 31 | 7.5 | M8 |
| 3/4 | AELPP204-012W3 | 1 | 3 27/32 | 3 | 1 1/4 | 3/8 | 0.126 | 2 | 1.220 | 0.295 | 5/16 |
| 25 | AELPP205W3 | 28.6 | 108 | 86 | 32 | 11.5 | 4 | 56.6 | 31 | 7.5 | M10 |
| 13/16 | AELPP205-013W3 | | | | | | | | | | |
| 7/8 | AELPP205-014W3 | | | | | | | | | | |
| 15/16 | AELPP205-015W3 | 1 1/8 | 4 1/4 | 3 3/8 | 1 1/4 | 29/64 | 0.157 | 2 7/32 | 1.220 | 0.295 | 3/8 |
| 1 | AELPP205-100W3 | | | | | | | | | | |
| 30 | AELPP206W3 | 33.3 | 117 | 95 | 38 | 11.5 | 4 | 66.3 | 35.7 | 9 | M10 |
| 1 1/16 | AELPP206-101W3 | | | | | | | | | | |
| 1 1/8 | AELPP206-102W3 | | | | | | | | | | |
| 1 3/16 | AELPP206-103W3 | 1 5/16 | 4 19/32 | 3 3/4 | 1 1/2 | 29/64 | 0.157 | 2 5/8 | 1.406 | 0.354 | 3/8 |
| 1 1/4 | AELPP206-104W3 | | | | | | | | | | |
| 35 | AELPP207W3 | 39.7 | 129 | 106 | 42 | 11.5 | 4.6 | 78 | 38.9 | 9.5 | M10 |
| 1 1/4 | AELPP207-104W3 | | | | | | | | | | |
| 1 5/16 | AELPP207-105W3 | | | | | | | | | | |
| 1 3/8 | AELPP207-106W3 | 1 9/16 | 5 3/32 | 4 3/16 | 1 21/32 | 29/64 | 0.181 | 3 1/16 | 1.531 | 0.374 | 3/8 |
| 1 7/16 | AELPP207-107W3 | | | | | | | | | | |

| Max. load (1) recommended N lbf radial | axial | Bearing number | Housing number | Mass of unit kg lb |
|---|---|---|---|---|
| 2 000 | 800 | AEL201W3 | PP203 | 0.2 |
| 440 | 160 | AEL201-008W3 | PP203 | 0.4 |
| 2 000 | 800 | AEL202W3 | PP203 | 0.2 |
| 440 | 160 | AEL202-009W3 | PP203 | 0.4 |
| | | AEL202-010W3 | PP203 | |
| 2 000 | 800 | AEL203W3 | PP203 | 0.2 |
| 440 | 160 | AEL203-011W3 | PP203 | 0.4 |
| 2 500 | 1 000 | AEL204W3 | PP204 | 0.3 |
| 550 | 200 | AEL204-012W3 | PP204 | 0.7 |
| 3 500 | 1 400 | AEL205W3 | PP205 | 0.3 |
| | | AEL205-013W3 | PP205 | |
| | | AEL205-014W3 | PP205 | |
| 770 | 280 | AEL205-015W3 | PP205 | 0.7 |
| | | AEL205-100W3 | PP205 | |
| 4 000 | 1 600 | AEL206W3 | PP206 | 0.5 |
| | | AEL206-101W3 | PP206 | |
| | | AEL206-102W3 | PP206 | |
| 880 | 320 | AEL206-103W3 | PP206 | 1.1 |
| | | AEL206-104W3 | PP206 | |
| 4 500 | 1 800 | AEL207W3 | PP207 | 0.8 |
| | | AEL207-104W3 | PP207 | |
| | | AEL207-105W3 | PP207 | |
| 990 | 360 | AEL207-106W3 | PP207 | 1.8 |
| | | AEL207-107W3 | PP207 | |

**Note** (1) The permissible load only applies in applications where the load is stable and the speed is 2400 $min^{-1}$ or less.
The mounting surface should be flat.

## Pillow block unit, pressed steel housing with rubber ring
## Eccentric locking collar type



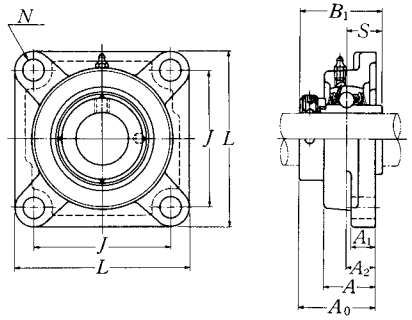

| Shaft dia. mm / inch | Unit number | Nominal dimensions mm inch H | L | J | A | N | $H_1$ | $H_2$ | $B_1$ | S | Bolt size mm / inch |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 12 | AELRPP201W3 | 25.4 | 98 | 76 | 32 | 9.5 | 3.2 | 50.5 | 28.6 | 6.5 | M8 |
| 1/2 | AELRPP201-008W3 | 1 | 3 27/32 | 3 | 1 1/4 | 3/8 | 0.126 | 2 | 1.126 | 0.256 | 5/16 |
| 15 | AELRPP202W3 | 25.4 | 98 | 76 | 32 | 9.5 | 3.2 | 50.5 | 28.6 | 6.5 | M8 |
| 9/16 | AELRPP202-009W3 | | | | | | | | | | |
| 5/8 | AELRPP202-010W3 | 1 | 3 27/32 | 3 | 1 1/4 | 3/8 | 0.126 | 2 | 1.126 | 0.256 | 5/16 |
| 17 | AELRPP203W3 | 25.4 | 98 | 76 | 32 | 9.5 | 3.2 | 50.5 | 28.6 | 6.5 | M8 |
| 11/16 | AELRPP203-011W3 | 1 | 3 27/32 | 3 | 1 1/4 | 3/8 | 0.126 | 2 | 1.126 | 0.256 | 5/16 |
| 20 | AELRPP204W3 | 28.6 | 108 | 86 | 32 | 11.5 | 4 | 56.6 | 31 | 7.5 | M10 |
| 3/4 | AELRPP204-012W3 | 1 1/8 | 4 1/4 | 3 3/8 | 1 1/4 | 29/64 | 0.157 | 2 7/32 | 1.220 | 0.295 | 3/8 |
| 25 | AELRPP205W3 | 33.3 | 117 | 95 | 38 | 11.5 | 4 | 66.3 | 31 | 7.5 | M10 |
| 13/16 | AELRPP205-013W3 | | | | | | | | | | |
| 7/8 | AELRPP205-014W3 | | | | | | | | | | |
| 15/16 | AELRPP205-015W3 | 1 5/16 | 4 19/32 | 3 3/4 | 1 1/2 | 29/64 | 0.157 | 2 5/8 | 1.220 | 0.295 | 3/8 |
| 1 | AELRPP205-100W3 | | | | | | | | | | |
| 30 | AELRPP206W3 | 39.7 | 129 | 106 | 42 | 11.5 | 4.6 | 78 | 35.7 | 9 | M10 |
| 1 1/16 | AELRPP206-101W3 | | | | | | | | | | |
| 1 1/8 | AELRPP206-102W3 | | | | | | | | | | |
| 1 3/16 | AELRPP206-103W3 | 1 9/16 | 5 3/32 | 4 3/16 | 1 21/32 | 29/64 | 0.181 | 3 1/16 | 1.406 | 0.354 | 3/8 |
| 1 1/4 | AELRPP206-104W3 | | | | | | | | | | |

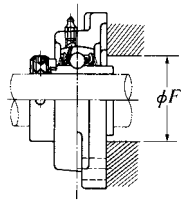
| Max. load (1) recommended N / lbf radial | axial | Bearing number | Housing number rubber ring | steel | Mass of unit kg / lb |
|---|---|---|---|---|---|
| 1 000 | 200 | AEL201W3 | R201 | PP204 | 0.2 |
| 220 | 40 | AEL201-008W3 | R201 | PP204 | 0.4 |
| 1 000 | 200 | AEL202W3 | R202 | PP204 | 0.2 |
| 220 | 40 | AEL202-009W3 | R202 | PP204 | 0.4 |
| | | AEL202-010W3 | R202 | PP204 | |
| 1 000 | 200 | AEL203W3 | R203 | PP204 | 0.2 |
| 220 | 40 | AEL203-011W3 | R203 | PP204 | 0.4 |
| 1 150 | 200 | AEL204W3 | R204 | PP205 | 0.3 |
| 250 | 40 | AEL204-012W3 | R204 | PP205 | 0.7 |
| 1 300 | 200 | AEL205W3 | R205 | PP206 | 0.4 |
| 280 | 40 | AEL205-013W3 | R205 | PP206 | 0.9 |
| | | AEL205-014W3 | R205 | PP206 | |
| | | AEL205-015W3 | R205 | PP206 | |
| | | AEL205-100W3 | R205 | PP206 | |
| 1 500 | 200 | AEL206W3 | R206 | PP207 | 0.6 |
| 330 | 40 | AEL206-101W3 | R206 | PP207 | 1.3 |
| | | AEL206-102W3 | R206 | PP207 | |
| | | AEL206-103W3 | R206 | PP207 | |
| | | AEL206-104W3 | R206 | PP207 | |

**Note** (1) The permissible load only applies in applications where the load is stable and the speed is 2400 $min^{-1}$ or less.
The mounting surface should be flat.

**Remarks** When an anti-vibration rubber ring is used, the self alignment capability will be reduce.

## Square flanged unit, cast housing
## Eccentric locking collar type



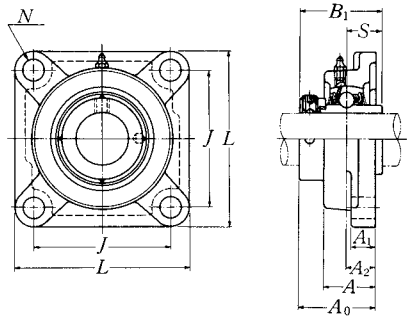



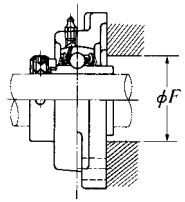

| Shaft dia. mm / inch | Unit number (1) | Nominal dimensions mm / inch L | J | A2 | A1 | A | N | A0 | B1 | S | F min. | Bolt size mm / inch |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 20 | UELF204D1W3 | 86 | 64 | 15 | 11 | 25.5 | 12 | 41.6 | 43.7 | 17.1 | 34 | M10 |
| 3/4 | UELF204-012D1W3 | 3 3/8 | 2 33/64 | 19/32 | 7/16 | 1 | 15/32 | 1 41/64 | 1.720 | 0.673 | 1.339 | 3/8 |
| 25 | UELF205D1W3 | 95 | 70 | 16 | 13 | 27 | 12 | 42.95 | 44.4 | 17.45 | 38 | M10 |
| 13/16 | UELF205-013D1W3 | | | | | | | | | | | |
| 7/8 | UELF205-014D1W3 | 3 3/4 | 2 3/4 | 5/8 | 1/2 | 1 1/16 | 15/32 | 1 11/16 | 1.748 | 0.687 | 1.496 | 3/8 |
| 15/16 | UELF205-015D1W3 | | | | | | | | | | | |
| 1 | UELF205-100D1W3 | | | | | | | | | | | |
| 30 | UELF206D1W3 | 108 | 83 | 18 | 13 | 31 | 12 | 48.15 | 48.4 | 18.25 | 45 | M10 |
| 1 1/16 | UELF206-101D1W3 | | | | | | | | | | | |
| 1 1/8 | UELF206-102D1W3 | 4 1/4 | 3 17/64 | 45/64 | 1/2 | 1 7/32 | 15/32 | 1 57/64 | 1.906 | 0.719 | 1.772 | 3/8 |
| 1 3/16 | UELF206-103D1W3 | | | | | | | | | | | |
| 1 1/4 | UELF206-104D1W3 | | | | | | | | | | | |
| 35 | UELF207D1W3 | 117 | 92 | 19 | 15 | 34 | 14 | 51.3 | 51.1 | 18.8 | 51 | M12 |
| 1 1/4 | UELF207-104D1W3 | | | | | | | | | | | |
| 1 5/16 | UELF207-105D1W3 | 4 19/32 | 3 5/8 | 3/4 | 19/32 | 1 11/32 | 35/64 | 2 1/64 | 2.012 | 0.740 | 2.008 | 7/16 |
| 1 3/8 | UELF207-106D1W3 | | | | | | | | | | | |
| 1 7/16 | UELF207-107D1W3 | | | | | | | | | | | |
| 40 | UELF208D1W3 | 130 | 102 | 21 | 15 | 36 | 16 | 55.9 | 56.3 | 21.4 | 57 | M14 |
| 1 1/2 | UELF208-108D1W3 | 5 1/8 | 4 1/64 | 53/64 | 19/32 | 1 13/32 | 5/8 | 2 13/64 | 2.217 | 0.843 | 2.244 | 1/2 |
| 1 9/16 | UELF208-109D1W3 | | | | | | | | | | | |
| 45 | UELF209D1W3 | 137 | 105 | 22 | 16 | 38 | 16 | 56.9 | 56.3 | 21.4 | 62 | M14 |
| 1 5/8 | UELF209-110D1W3 | | | | | | | | | | | |
| 1 11/16 | UELF209-111D1W3 | 5 13/32 | 4 9/64 | 55/64 | 5/8 | 1 1/2 | 5/8 | 2 15/64 | 2.217 | 0.843 | 2.441 | 1/2 |
| 1 3/4 | UELF209-112D1W3 | | | | | | | | | | | |
| 50 | UELF210D1W3 | 143 | 111 | 22 | 16 | 40 | 16 | 60.1 | 62.7 | 24.6 | 67 | M14 |
| 1 13/16 | UELF210-113D1W3 | | | | | | | | | | | |
| 1 7/8 | UELF210-114D1W3 | 5 5/8 | 4 3/8 | 55/64 | 5/8 | 1 9/16 | 5/8 | 2 23/64 | 2.469 | 0.969 | 2.638 | 1/2 |
| 1 15/16 | UELF210-115D1W3 | | | | | | | | | | | |
| 2 | UELF210-200D1W3 | | | | | | | | | | | |

| Bearing number | Housing number | Mass of unit kg / lb |
|---|---|---|
| UEL204D1W3 | F204D1 | 0.6 |
| UEL204-012D1W3 | F204D1 | 1.3 |
| UEL205D1W3 | F205D1 | 0.9 |
| UEL205-013D1W3 | F205D1 | |
| UEL205-014D1W3 | F205D1 | |
| UEL205-015D1W3 | F205D1 | 2.0 |
| UEL205-100D1W3 | F205D1 | |
| UEL206D1W3 | F206D1 | 1.2 |
| UEL206-101D1W3 | F206D1 | |
| UEL206-102D1W3 | F206D1 | |
| UEL206-103D1W3 | F206D1 | 2.6 |
| UEL206-104D1W3 | F206D1 | |
| UEL207D1W3 | F207D1 | 1.6 |
| UEL207-104D1W3 | F207D1 | |
| UEL207-105D1W3 | F207D1 | |
| UEL207-106D1W3 | F207D1 | 3.5 |
| UEL207-107D1W3 | F207D1 | |
| UEL208D1W3 | F208D1 | 1.9 |
| UEL208-108D1W3 | F208D1 | |
| UEL208-109D1W3 | F208D1 | 4.2 |
| UEL209D1W3 | F209D1 | 2.3 |
| UEL209-110D1W3 | F209D1 | |
| UEL209-111D1W3 | F209D1 | 5.1 |
| UEL209-112D1W3 | F209D1 | |
| UEL210D1W3 | F210D1 | 2.7 |
| UEL210-113D1W3 | F210D1 | |
| UEL210-114D1W3 | F210D1 | |
| UEL210-115D1W3 | F210D1 | 6.0 |
| UEL210-200D1W3 | F210D1 | |

**Note** (1) These numbers indicate relubricatable type. If maintenance free type is needed, please order without suffix "D1".
**Remarks** Please refer to page **A21** for size of grease fitting

## Square flanged unit, cast housing
## Eccentric locking collar type



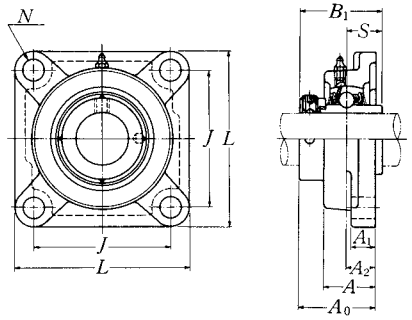



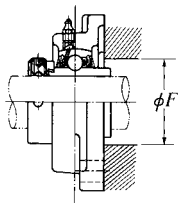

| Shaft dia. mm / inch | Unit number (1) | Nominal dimensions mm / inch: L | J | $A_2$ | $A_1$ | A | N | $A_0$ | $B_1$ | S | F min. | Bolt size mm / inch |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 55 | **UELF211D1W3** | 162 | 130 | 25 | 18 | 43 | 19 | 68.65 | 71.4 | 27.75 | 73 | M16 |
| 2 | **UELF211-200D1W3** | | | | | | | | | | | |
| 2 1/16 | **UELF211-201D1W3** | 6 3/8 | 5 1/8 | 63/64 | 23/32 | 1 11/16 | 3/4 | 2 45/64 | 2.811 | 1.093 | 2.874 | 5/8 |
| 2 1/8 | **UELF211-202D1W3** | | | | | | | | | | | |
| 2 3/16 | **UELF211-203D1W3** | | | | | | | | | | | |
| 60 | **UELF212D1W3** | 175 | 143 | 29 | 18 | 48 | 19 | 75.85 | 77.8 | 30.95 | 81 | M16 |
| 2 1/4 | **UELF212-204D1W3** | | | | | | | | | | | |
| 2 5/16 | **UELF212-205D1W3** | 6 7/8 | 5 5/8 | 1 9/64 | 23/32 | 1 7/8 | 3/4 | 2 63/64 | 3.063 | 1.219 | 3.189 | 5/8 |
| 2 3/8 | **UELF212-206D1W3** | | | | | | | | | | | |
| 2 7/16 | **UELF212-207D1W3** | | | | | | | | | | | |
| 65 | **UELF213D1W3** | 187 | 149 | 30 | 22 | 50 | 19 | 81.55 | 85.7 | 34.15 | 87 | M16 |
| 2 1/2 | **UELF213-208D1W3** | 7 3/8 | 5 55/64 | 1 3/16 | 7/8 | 1 31/32 | 3/4 | 3 13/64 | 3.374 | 1.344 | 3.425 | 5/8 |
| 2 9/16 | **UELF213-209D1W3** | | | | | | | | | | | |
| 70 | **UELF214D1W3** | 193 | 152 | 31 | 22 | 54 | 19 | 82.55 | 85.7 | 34.15 | 91 | M16 |
| 2 5/8 | **UELF214-210D1W3** | | | | | | | | | | | |
| 2 11/16 | **UELF214-211D1W3** | 7 19/32 | 5 63/64 | 1 7/32 | 7/8 | 2 1/8 | 3/4 | 3 1/4 | 3.374 | 1.344 | 3.583 | 5/8 |
| 2 3/4 | **UELF214-212D1W3** | | | | | | | | | | | |
| 75 | **UELF215D1W3** | 200 | 159 | 34 | 22 | 56 | 19 | 88.7 | 92 | 37.3 | 97 | M16 |
| 2 13/16 | **UELF215-213D1W3** | | | | | | | | | | | |
| 2 7/8 | **UELF215-214D1W3** | 7 7/8 | 6 17/64 | 1 11/32 | 7/8 | 2 7/32 | 3/4 | 3 31/64 | 3.622 | 1.469 | 3.819 | 5/8 |
| 2 15/16 | **UELF215-215D1W3** | | | | | | | | | | | |
| 3 | **UELF215-300D1W3** | | | | | | | | | | | |

| Bearing number | Housing number | Mass of unit kg | lb |
|---|---|---|---|
| UEL211D1W3 | F211D1 | 3.6 | |
| UEL211-200D1W3 | F211D1 | | |
| UEL211-201D1W3 | F211D1 | | |
| UEL211-202D1W3 | F211D1 | 7.9 | |
| UEL211-203D1W3 | F211D1 | | |
| UEL212D1W3 | F212D1 | 4.2 | |
| UEL212-204D1W3 | F212D1 | | |
| UEL212-205D1W3 | F212D1 | | |
| UEL212-206D1W3 | F212D1 | 9.3 | |
| UEL212-207D1W3 | F212D1 | | |
| UEL213D1W3 | F213D1 | 6.1 | |
| UEL213-208D1W3 | F213D1 | | |
| UEL213-209D1W3 | F213D1 | 13 | |
| UEL214D1W3 | F214D1 | 6.6 | |
| UEL214-210D1W3 | F214D1 | | |
| UEL214-211D1W3 | F214D1 | 15 | |
| UEL214-212D1W3 | F214D1 | | |
| UEL215D1W3 | F215D1 | 6.9 | |
| UEL215-213D1W3 | F215D1 | | |
| UEL215-214D1W3 | F215D1 | | |
| UEL215-215D1W3 | F215D1 | 15 | |
| UEL215-300D1W3 | F215D1 | | |

**Note** (1) These numbers indicate relubricatable type. If maintenance free type is needed, please order without suffix "D1".
**Remarks** Please refer to page **A21** for size of grease fitting.

## Square flanged unit, cast housing
## Eccentric locking collar type



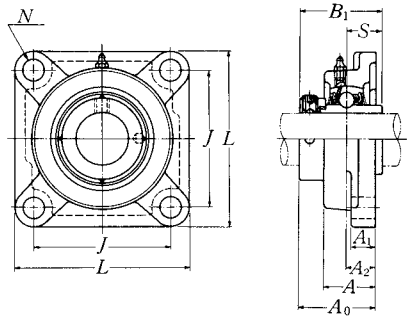



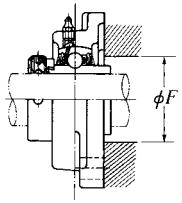

| Shaft dia. mm / inch | Unit number (1)(2) | Nominal dimensions mm / inch: L | J | $A_2$ | $A_1$ | A | N | $A_0$ | $B_1$ | S | F min. | Bolt size mm / inch |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 25 | UELF305D1W3 | 110 | 80 | 16 | 13 | 29 | 16 | 46.1 | 46.8 | 16.7 | 41 | M14 |
| 13/16 | UELF305-013D1W3 | | | | | | | | | | | |
| 7/8 | UELF305-014D1W3 | | | | | | | | | | | |
| 15/16 | UELF305-015D1W3 | 4 11/32 | 3 5/32 | 5/8 | 1/2 | 1 5/32 | 5/8 | 1 13/16 | 1.843 | 0.657 | 1.614 | 1/2 |
| 1 | UELF305-100D1W3 | | | | | | | | | | | |
| 30 | UELF306D1W3 | 125 | 95 | 18 | 15 | 32 | 16 | 50.5 | 50 | 17.5 | 49 | M14 |
| 1 1/16 | UELF306-101D1W3 | | | | | | | | | | | |
| 1 1/8 | UELF306-102D1W3 | 4 29/32 | 3 47/64 | 45/64 | 19/32 | 1 1/4 | 5/8 | 1 63/64 | 1.969 | 0.689 | 1.929 | 1/2 |
| 1 3/16 | UELF306-103D1W3 | | | | | | | | | | | |
| 35 | UELF307D1W3 | 135 | 100 | 20 | 16 | 36 | 19 | 53.3 | 51.6 | 18.3 | – | M16 |
| 1 1/4 | UELF307-104D1W3 | | | | | | | | | | | |
| 1 5/16 | UELF307-105D1W3 | | | | | | | | | | | |
| 1 3/8 | UELF307-106D1W3 | 5 5/16 | 3 15/16 | 25/32 | 5/8 | 1 13/32 | 3/4 | 2 3/32 | 2.031 | 0.720 | – | 5/8 |
| 1 7/16 | UELF307-107D1W3 | | | | | | | | | | | |
| 40 | UELF308D1W3 | 150 | 112 | 23 | 17 | 40 | 19 | 60.3 | 57.1 | 19.8 | – | M16 |
| 1 1/2 | UELF308-108D1W3 | | | | | | | | | | | |
| 1 9/16 | UELF308-109D1W3 | 5 29/32 | 4 13/32 | 29/32 | 21/32 | 1 9/16 | 3/4 | 2 3/8 | 2.248 | 0.780 | – | 5/8 |
| 45 | UELF309D1W3 | 160 | 125 | 25 | 18 | 44 | 19 | 63.9 | 58.7 | 19.8 | – | M16 |
| 1 5/8 | UELF309-110D1W3 | | | | | | | | | | | |
| 1 11/16 | UELF309-111D1W3 | 6 5/16 | 4 59/64 | 63/64 | 23/32 | 1 23/32 | 3/4 | 2 33/64 | 2.311 | 0.780 | – | 5/8 |
| 1 3/4 | UELF309-112D1W3 | | | | | | | | | | | |
| 50 | UELF310D1W3 | 175 | 132 | 28 | 19 | 48 | 23 | 70 | 66.6 | 24.6 | – | M20 |
| 1 13/16 | UELF310-113D1W3 | | | | | | | | | | | |
| 1 7/8 | UELF310-114D1W3 | 6 7/8 | 5 13/64 | 1 7/64 | 3/4 | 1 7/8 | 29/32 | 2 3/4 | 2.622 | 0.969 | – | 3/4 |
| 1 15/16 | UELF310-115D1W3 | | | | | | | | | | | |

| Bearing number | Housing number | Mass of unit kg / lb |
|---|---|---|
| UEL305D1W3 | F305D1 | 1.2 |
| UEL305-013D1W3 | F305D1 | |
| UEL305-014D1W3 | F305D1 | |
| UEL305-015D1W3 | F305D1 | 2.6 |
| UEL305-100D1W3 | F305D1 | |
| UEL306D1W3 | F306D1 | 1.8 |
| UEL306-101D1W3 | F306D1 | |
| UEL306-102D1W3 | F306D1 | 4.0 |
| UEL306-103D1W3 | F306D1 | |
| UEL307D1W3 | F307D1 | 2.2 |
| UEL307-104D1W3 | F307D1 | |
| UEL307-105D1W3 | F307D1 | |
| UEL307-106D1W3 | F307D1 | 4.9 |
| UEL307-107D1W3 | F307D1 | |
| UEL308D1W3 | F308D1 | 2.9 |
| UEL308-108D1W3 | F308D1 | 6.4 |
| UEL308-109D1W3 | F308D1 | |
| UEL309D1W3 | F309D1 | 3.6 |
| UEL309-110D1W3 | F309D1 | |
| UEL309-111D1W3 | F309D1 | 7.9 |
| UEL309-112D1W3 | F309D1 | |
| UEL310D1W3 | F310D1 | 4.6 |
| UEL310-113D1W3 | F310D1 | |
| UEL310-114D1W3 | F310D1 | 10 |
| UEL310-115D1W3 | F310D1 | |

**Notes** (1) These numbers indicate relubricatable type. If maintenance free type is needed, please oeder without suffix "D1".
(2) Inner race face does not protrude from the housing face except UELF305 and UELF316.
**Remarks** Please refer to page **A21** for size of grease fitting

## Square flanged unit, cast housing
## Eccentric locking collar type



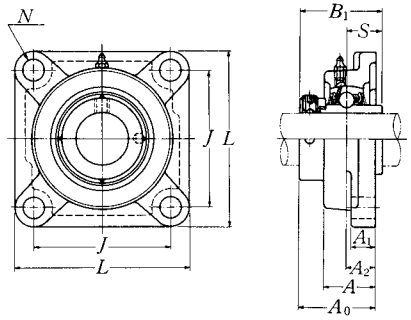

| Shaft dia. mm / inch | Unit number (1)(2) | Nominal dimensions mm / inch: L | J | $A_2$ | $A_1$ | A | N | $A_0$ | $B_1$ | S | F min. | Bolt size mm / inch |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 55 | **UELF311D1W3** | 185 | 140 | 30 | 20 | 52 | 23 | 75.2 | 73 | 27.8 | – | M20 |
| 2 | **UELF311-200D1W3** | | | | | | | | | | | |
| 2 1/16 | **UELF311-201D1W3** | | | | | | | | | | | |
| 2 1/8 | **UELF311-202D1W3** | 7 9/32 | 5 33/64 | 1 3/16 | 25/32 | 2 1/16 | 29/32 | 2 61/64 | 2.874 | 1.094 | – | 3/4 |
| 2 3/16 | **UELF311-203D1W3** | | | | | | | | | | | |
| 60 | **UELF312D1W3** | 195 | 150 | 33 | 22 | 56 | 23 | 81.45 | 79.4 | 30.95 | – | M20 |
| 2 1/4 | **UELF312-204D1W3** | | | | | | | | | | | |
| 2 5/16 | **UELF312-205D1W3** | | | | | | | | | | | |
| 2 3/8 | **UELF312-206D1W3** | 7 11/16 | 5 29/32 | 1 19/64 | 7/8 | 2 7/32 | 29/32 | 3 13/64 | 3.126 | 1.219 | – | 3/4 |
| 2 7/16 | **UELF312-207D1W3** | | | | | | | | | | | |
| 65 | **UELF313D1W3** | 208 | 166 | 33 | 22 | 58 | 23 | 86.15 | 85.7 | 32.55 | 93 | M20 |
| 2 1/2 | **UELF313-208D1W3** | | | | | | | | | | | |
| 2 9/16 | **UELF313-209D1W3** | 8 3/16 | 6 17/32 | 1 19/64 | 7/8 | 2 9/32 | 29/32 | 3 25/64 | 3.374 | 1.281 | 3.661 | 3/4 |
| 70 | **UELF314D1W3** | 226 | 178 | 36 | 25 | 61 | 25 | 93.95 | 92.1 | 34.15 | – | M22 |
| 2 5/8 | **UELF314-210D1W3** | | | | | | | | | | | |
| 2 11/16 | **UELF314-211D1W3** | | | | | | | | | | | |
| 2 3/4 | **UELF314-212D1W3** | 8 29/32 | 6 1/64 | 1 27/64 | 31/32 | 2 13/32 | 63/64 | 3 45/64 | 3.626 | 1.344 | – | 7/8 |
| 75 | **UELF315D1W3** | 236 | 184 | 39 | 25 | 66 | 25 | 101.7 | 100 | 37.3 | 106 | M22 |
| 2 13/16 | **UELF315-213D1W3** | | | | | | | | | | | |
| 2 7/8 | **UELF315-214D1W3** | | | | | | | | | | | |
| 2 15/16 | **UELF315-215D1W3** | 9 9/32 | 7 1/4 | 1 17/32 | 31/32 | 2 19/32 | 63/64 | 4 | 3.937 | 1.469 | 4.173 | 7/8 |
| 3 | **UELF315-300D1W3** | | | | | | | | | | | |
| 80 | **UELF316D1W3** | 250 | 196 | 38 | 27 | 68 | 31 | 103.9 | 106.4 | 40.5 | 112 | M27 |
| 3 1/16 | **UELF316-301D1W3** | | | | | | | | | | | |
| 3 1/8 | **UELF316-302D1W3** | | | | | | | | | | | |
| 3 3/16 | **UELF316-303D1W3** | 9 27/32 | 7 23/32 | 1 1/2 | 1 1/16 | 2 11/16 | 1 7/32 | 4 3/32 | 4.189 | 1.594 | 4.409 | 1 |

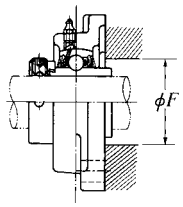
| Bearing number | Housing number | Mass of unit kg | lb |
|---|---|---|---|
| UEL311D1W3 | F311D1 | 5.6 | |
| UEL311-200D1W3 | F311D1 | | |
| UEL311-201D1W3 | F311D1 | | |
| UEL311-202D1W3 | F311D1 | 12 | |
| UEL311-203D1W3 | F311D1 | | |
| UEL312D1W3 | F312D1 | 6.7 | |
| UEL312-204D1W3 | F312D1 | | |
| UEL312-205D1W3 | F312D1 | | |
| UEL312-206D1W3 | F312D1 | 15 | |
| UEL312-207D1W3 | F312D1 | | |
| UEL313D1W3 | F313D1 | 8.4 | |
| UEL313-208D1W3 | F313D1 | | |
| UEL313-209D1W3 | F313D1 | 19 | |
| UEL314D1W3 | F314D1 | 10 | |
| UEL314-210D1W3 | F314D1 | | |
| UEL314-211D1W3 | F314D1 | 22 | |
| UEL314-212D1W3 | F314D1 | | |
| UEL315D1W3 | F315D1 | 12 | |
| UEL315-213D1W3 | F315D1 | | |
| UEL315-214D1W3 | F315D1 | | |
| UEL315-215D1W3 | F315D1 | 26 | |
| UEL315-300D1W3 | F315D1 | | |
| UEL316D1W3 | F316D1 | 15 | |
| UEL316-301D1W3 | F316D1 | | |
| UEL316-302D1W3 | F316D1 | 33 | |
| UEL316-303D1W3 | F316D1 | | |

**Notes** (1) These numbers indicate relubricatable type. If maintenance free type is needed, please oeder without suffix "D1".
(2) Inner race face does not protrude from the housing face except UELF305 and UELF316.

**Remarks** Please refer to page **A21** for size of grease fitting

## Square flanged unit, cast housing
## Eccentric locking collar type



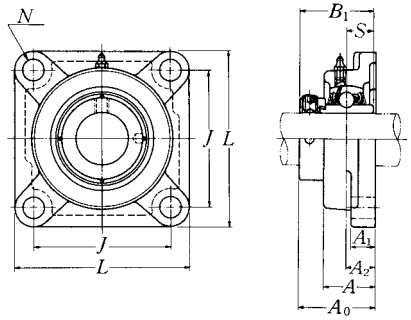

| Shaft dia. mm / inch | Unit number (1)(2) | Nominal dimensions mm inch: L | J | $A_2$ | $A_1$ | A | N | $A_0$ | $B_1$ | S | F min. | Bolt size mm / inch |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 85 | **UELF317D1W3** | 260 | 204 | 44 | 27 | 74 | 31 | 111.45 | 109.5 | 42.05 | 119 | M27 |
| 3 1/4 | **UELF317-304D1W3** | | | | | | | | | | | |
| 3 5/16 | **UELF317-305D1W3** | 10 1/4 | 8 1/32 | 1 47/64 | 1 1/16 | 2 29/32 | 1 7/32 | 4 25/64 | 4.311 | 1.656 | 4.685 | 1 |
| 3 7/16 | **UELF317-307D1W3** | | | | | | | | | | | |
| 90 | **UELF318D1W3** | 280 | 216 | 44 | 30 | 76 | 35 | 116.25 | 115.9 | 43.65 | 125 | M30 |
| 3 7/16 | **UELF318-307D1W3** | | | | | | | | | | | |
| 3 1/2 | **UELF318-308D1W3** | 11 1/32 | 8 1/2 | 1 47/64 | 1 3/16 | 3 | 1 3/8 | 4 37/64 | 4.563 | 1.719 | 4.921 | 1 1/8 |
| 95 | **UELF319D1W3** | 290 | 228 | 59 | 30 | 94 | 35 | 142.4 | 122.3 | 38.9 | – | M30 |
| 3 5/8 | **UELF319-310D1W3** | | | | | | | | | | | |
| 3 11/16 | **UELF319-311D1W3** | 11 13/32 | 8 31/32 | 2 21/64 | 1 3/16 | 3 11/16 | 1 3/8 | 5 39/64 | 4.815 | 1.531 | – | 1 1/8 |
| 3 3/4 | **UELF319-312D1W3** | | | | | | | | | | | |
| 100 | **UELF320D1W3** | 310 | 242 | 59 | 32 | 94 | 38 | 137.6 | 128.6 | 50 | – | M33 |
| 3 13/16 | **UELF320-313D1W3** | | | | | | | | | | | |
| 3 7/8 | **UELF320-314D1W3** | | | | | | | | | | | |
| 3 15/16 | **UELF320-315D1W3** | 12 7/32 | 9 17/32 | 2 21/64 | 1 1/4 | 3 11/16 | 1 1/2 | 5 27/64 | 5.063 | 1.969 | – | 1 1/4 |
| 4 | **UELF320-400D1W3** | | | | | | | | | | | |
| 105 | **UELF321D1W3** | 310 | 242 | 59 | 32 | 94 | 38 | 150.3 | 139.7 | 48.4 | – | M33 |
| 110 | **UELF322D1W3** | 340 | 266 | 60 | 35 | 96 | 41 | 152.1 | 141.3 | 49.2 | – | M36 |

| Bearing number | Housing number | Mass of unit kg | lb |
|---|---|---|---|
| UEL317D1W3 | F317D1 | 16 | |
| UEL317-304D1W3 | F317D1 | | |
| UEL317-305D1W3 | F317D1 | 35 | |
| UEL317-307D1W3 | F317D1 | | |
| UEL318D1W3 | F318D1 | 20 | |
| UEL318-308D1W3 | F318D1 | | |
| UEL318-308D1W3 | F318D1 | 44 | |
| UEL319D1W3 | F319D1 | 24 | |
| UEL319-310D1W3 | F319D1 | | |
| UEL319-311D1W3 | F319D1 | 53 | |
| UEL319-312D1W3 | F319D1 | | |
| UEL320D1W3 | F320D1 | 29 | |
| UEL320-313D1W3 | F320D1 | | |
| UEL320-314D1W3 | F320D1 | | |
| UEL320-315D1W3 | F320D1 | 64 | |
| UEL320-400D1W3 | F320D1 | | |
| UEL321D1W3 | F321D1 | 28 | |
| UEL322D1W3 | F322D1 | 37 | |

**Notes** (1) These numbers indicate relubricatable type. If maintenance free type is needed, please oeder without suffix "D1".
(2) Inner race face does not protrude from the housing face except UELF305 and UELF316.

**Remarks** Please refer to page **A21** for size of grease fitting

## Square flanged unit, cast housing
## Eccentric locking collar type

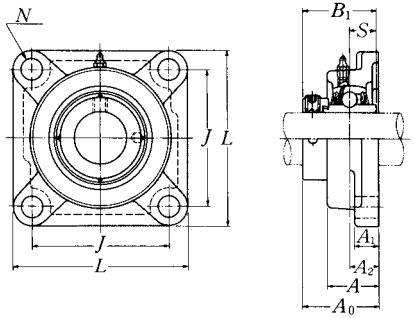



| Shaft dia. mm / inch | Unit number (1) | Nominal dimensions mm inch | | | | | | | | | Bolt size mm / inch |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | L | J | $A_2$ | $A_1$ | A | N | $A_0$ | $B_1$ | S | |
| 20 | UELFU204D1W3 | 86 | 63.5 | 19 | 15 | 29.5 | 11.5 | 45.6 | 43.7 | 17.1 | M10 |
| 3/4 | UELFU204-012D1W3 | 3 3/8 | 2 1/2 | 3/4 | 19/32 | 1 5/32 | 29/64 | 1 51/64 | 1.720 | 0.673 | 3/8 |
| 25 | UELFU205D1W3 | 96 | 70 | 19 | 15 | 30 | 11.5 | 45.95 | 44.4 | 17.45 | M10 |
| 13/16 | UELFU205-013D1W3 | | | | | | | | | | |
| 7/8 | UELFU205-014D1W3 | 3 25/32 | 2 3/4 | 3/4 | 19/32 | 1 3/16 | 29/64 | 1 13/16 | 1.748 | 0.687 | 3/8 |
| 15/16 | UELFU205-015D1W3 | | | | | | | | | | |
| 1 | UELFU205-100D1W3 | | | | | | | | | | |
| 30 | UELFU206D1W3 | 109 | 82.5 | 20 | 16 | 33 | 11.5 | 50.15 | 48.4 | 18.25 | M10 |
| 1 1/16 | UELFU206-101D1W3 | | | | | | | | | | |
| 1 1/8 | UELFU206-102D1W3 | 4 9/32 | 3 1/4 | 25/32 | 5/8 | 1 5/16 | 29/64 | 1 31/32 | 1.906 | 0.719 | 3/8 |
| 1 3/16 | UELFU206-103D1W3 | | | | | | | | | | |
| 1 1/4 | UELFU206-104D1W3 | | | | | | | | | | |
| 35 | UELFU207D1W3 | 118 | 92 | 21 | 17 | 36 | 14 | 53.3 | 51.1 | 18.8 | M12 |
| 1 1/4 | UELFU207-104D1W3 | | | | | | | | | | |
| 1 5/16 | UELFU207-105D1W3 | 4 21/32 | 3 5/8 | 53/64 | 21/32 | 1 13/32 | 35/64 | 2 3/32 | 2.012 | 0.740 | 1/2 |
| 1 3/8 | UELFU207-106D1W3 | | | | | | | | | | |
| 1 7/16 | UELFU207-107D1W3 | | | | | | | | | | |
| 40 | UELFU208D1W3 | 131 | 101.5 | 24 | 17 | 39 | 14 | 58.9 | 56.3 | 21.4 | M12 |
| 1 1/2 | UELFU208-108D1W3 | 5 5/32 | 4 | 15/16 | 21/32 | 1 17/32 | 35/64 | 2 5/16 | 2.217 | 0.843 | 1/2 |
| 1 9/16 | UELFU208-109D1W3 | | | | | | | | | | |
| 45 | UELFU209D1W3 | 137 | 105 | 24 | 18 | 40 | 16 | 58.9 | 56.3 | 21.4 | M14 |
| 1 5/8 | UELFU209-110D1W3 | | | | | | | | | | |
| 1 11/16 | UELFU209-111D1W3 | 5 13/32 | 4 9/64 | 15/16 | 23/32 | 1 9/16 | 5/8 | 2 5/16 | 2.217 | 0.843 | 1/2 |
| 1 3/4 | UELFU209-112D1W3 | | | | | | | | | | |
| 50 | UELFU210D1W3 | 144 | 111 | 28 | 20 | 46 | 18 | 66.1 | 62.7 | 24.6 | M16 |
| 1 13/16 | UELFU210-113D1W3 | | | | | | | | | | |
| 1 7/8 | UELFU210-114D1W3 | 5 21/32 | 4 3/8 | 1 7/64 | 25/32 | 1 13/16 | 45/64 | 2 39/64 | 2.469 | 0.969 | 5/8 |
| 1 15/16 | UELFU210-115D1W3 | | | | | | | | | | |
| 2 | UELFU210-200D1W3 | | | | | | | | | | |

| Bearing number | Housing number | Mass of unit kg / lb |
|---|---|---|
| UEL204D1W3 | FU204D1 | 0.8 |
| UEL204-012D1W3 | FU204D1 | 1.8 |
| UEL205D1W3 | FU205D1 | 1.0 |
| UEL205-013D1W3 | FU205D1 | |
| UEL205-014D1W3 | FU205D1 | 2.2 |
| UEL205-015D1W3 | FU205D1 | |
| UEL205-100D1W3 | FU205D1 | |
| UEL206D1W3 | FU206D1 | 1.4 |
| UEL206-101D1W3 | FU206D1 | |
| UEL206-102D1W3 | FU206D1 | 3.1 |
| UEL206-103D1W3 | FU206D1 | |
| UEL206-104D1W3 | FU206D1 | |
| UEL207D1W3 | FU207D1 | 1.7 |
| UEL207-104D1W3 | FU207D1 | |
| UEL207-105D1W3 | FU207D1 | 3.7 |
| UEL207-106D1W3 | FU207D1 | |
| UEL207-107D1W3 | FU207D1 | |
| UEL208D1W3 | FU208D1 | 2.2 |
| UEL208-108D1W3 | FU208D1 | 4.9 |
| UEL208-109D1W3 | FU208D1 | |
| UEL209D1W3 | FU209D1 | 2.4 |
| UEL209-110D1W3 | FU209D1 | |
| UEL209-111D1W3 | FU209D1 | 5.3 |
| UEL209-112D1W3 | FU209D1 | |
| UEL210D1W3 | FU210D1 | 2.9 |
| UEL210-113D1W3 | FU210D1 | |
| UEL210-114D1W3 | FU210D1 | 6.4 |
| UEL210-115D1W3 | FU210D1 | |
| UEL210-200D1W3 | FU210D1 | |

**Note** (1) These numbers indicate relubricatable type. If maintenance free type is needed, please order without suffix "D1".
**Remarks** Please refer to page **A21** for size of grease fitting.

## Square flanged unit, cast housing
## Eccentric locking collar type

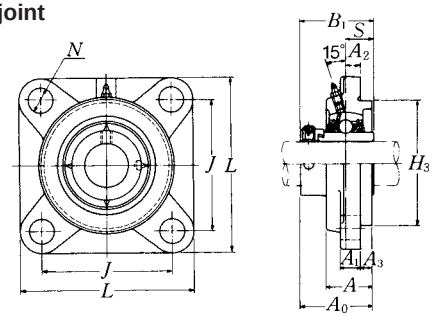



| Shaft dia. mm / inch | Unit number (1) | Nominal dimensions mm inch L | J | A2 | A1 | A | N | A0 | B1 | S | Bolt size mm / inch |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 55 | UELFU211D1W3 | 163 | 130 | 31 | 21 | 49 | 18 | 74.65 | 71.4 | 27.75 | M16 |
| 2 | UELFU211-200D1W3 | | | | | | | | | | |
| 2 1/16 | UELFU211-201D1W3 | 6 13/32 | 5 1/8 | 1 7/32 | 13/16 | 1 15/16 | 45/64 | 2 15/16 | 2.811 | 1.093 | 5/8 |
| 2 1/8 | UELFU211-202D1W3 | | | | | | | | | | |
| 2 3/16 | UELFU211-203D1W3 | | | | | | | | | | |
| 60 | UELFU212D1W3 | 175 | 143 | 34 | 21 | 53 | 18 | 80.85 | 77.8 | 30.95 | M16 |
| 2 1/4 | UELFU212-204D1W3 | | | | | | | | | | |
| 2 5/16 | UELFU212-205D1W3 | 6 7/8 | 5 5/8 | 1 11/32 | 13/16 | 2 3/32 | 45/64 | 3 3/16 | 3.063 | 1.219 | 5/8 |
| 2 3/8 | UELFU212-206D1W3 | | | | | | | | | | |
| 2 7/16 | UELFU212-207D1W3 | | | | | | | | | | |
| 65 | UELFU213D1W3 | 187 | 149 | 38 | 22 | 59 | 20.5 | 89.55 | 85.7 | 34.15 | M18 |
| 2 1/2 | UELFU213-208D1W3 | 7 3/8 | 5 55/64 | 1 1/2 | 7/8 | 2 5/16 | 13/16 | 3 17/32 | 3.374 | 1.344 | 5/8 |
| 2 9/16 | UELFU213-209D1W3 | | | | | | | | | | |
| 70 | UELFU214D1W3 | 193 | 152 | 38 | 22 | 62 | 20.5 | 89.55 | 85.7 | 34.15 | M18 |
| 2 5/8 | UELFU214-210D1W3 | | | | | | | | | | |
| 2 11/16 | UELFU214-211D1W3 | 7 19/32 | 5 63/64 | 1 1/2 | 7/8 | 2 7/16 | 13/16 | 3 17/32 | 3.374 | 1.344 | 5/8 |
| 2 3/4 | UELFU214-212D1W3 | | | | | | | | | | |
| 75 | UELFU215D1W3 | 200 | 159 | 41 | 22 | 64 | 20.5 | 95.7 | 92 | 37.3 | M18 |
| 2 13/16 | UELFU215-213D1W3 | | | | | | | | | | |
| 2 7/8 | UELFU215-214D1W3 | 7 7/8 | 6 17/64 | 1 39/64 | 7/8 | 2 33/64 | 13/16 | 3 49/64 | 3.622 | 1.469 | 5/8 |
| 2 15/16 | UELFU215-215D1W3 | | | | | | | | | | |
| 3 | UELFU215-300D1W3 | | | | | | | | | | |

| Bearing number | Housing number | Mass of unit kg / lb |
|---|---|---|
| UEL211D1W3 | FU211D1 | 3.9 |
| UEL211-200D1W3 | FU211D1 | |
| UEL211-201D1W3 | FU211D1 | 8.6 |
| UEL211-202D1W3 | FU211D1 | |
| UEL211-203D1W3 | FU211D1 | |
| UEL212D1W3 | FU212D1 | 4.7 |
| UEL212-204D1W3 | FU212D1 | |
| UEL212-205D1W3 | FU212D1 | 10 |
| UEL212-206D1W3 | FU212D1 | |
| UEL212-207D1W3 | FU212D1 | |
| UEL213D1W3 | FU213D1 | 6.3 |
| UEL213-208D1W3 | FU213D1 | 14 |
| UEL213-209D1W3 | FU213D1 | |
| UEL214D1W3 | FU214D1 | 6.7 |
| UEL214-210D1W3 | FU214D1 | |
| UEL214-211D1W3 | FU214D1 | 15 |
| UEL214-212D1W3 | FU214D1 | |
| UEL215D1W3 | FU215D1 | 7.0 |
| UEL215-213D1W3 | FU215D1 | |
| UEL215-214D1W3 | FU215D1 | 15 |
| UEL215-215D1W3 | FU215D1 | |
| UEL215-300D1W3 | FU215D1 | |

**Note** (1) These numbers indicate relubricatable type. If maintenance free type is needed, please order without suffix "D1".
**Remarks** Please refer to page **A21** for size of grease fitting.

## Square flanged unit, cast housing with spigot joint
## Eccentric locking collar type





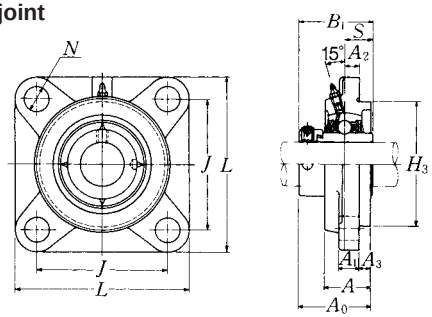


| Shaft dia. mm / inch | Unit number (1) | Nominal dimensions mm / inch | | | | | | | | | | | Bolt size mm / inch |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | $L$ | $J$ | $A_2$ | $N$ | $A_3$ | $A_1$ | $A$ | $H_3$ | $A_0$ | $B_1$ | $S$ | |
| 25 | **UELFS305D1W3** | 110 | 80 | 9 | 16 | 7 | 13 | 29 | 80 | 46.1 | 46.8 | 16.7 | M14 |
| 13/16 | **UELFS305-013D1W3** | | | | | | | | | | | | |
| 7/8 | **UELFS305-014D1W3** | 4 11/32 | 3 5/32 | 23/64 | 5/8 | 9/32 | 1/2 | 1 9/64 | 3.1496 | 1 13/16 | 1.843 | 0.657 | 1/2 |
| 15/16 | **UELFS305-015D1W3** | | | | | | | | | | | | |
| 1 | **UELFS305-100D1W3** | | | | | | | | | | | | |
| 30 | **UELFS306D1W3** | 125 | 95 | 10 | 16 | 8 | 15 | 32 | 90 | 50.5 | 50 | 17.5 | M14 |
| 1 1/16 | **UELFS306-101D1W3** | | | | | | | | | | | | |
| 1 1/8 | **UELFS306-102D1W3** | 4 29/32 | 3 47/64 | 25/64 | 5/8 | 5/16 | 19/32 | 1 17/64 | 3.5433 | 1 63/64 | 1.969 | 0.689 | 1/2 |
| 1 3/16 | **UELFS306-103D1W3** | | | | | | | | | | | | |
| 35 | **UELFS307D1W3** | 135 | 100 | 11 | 19 | 9 | 16 | 36 | 100 | 53.3 | 51.6 | 18.3 | M16 |
| 1 1/4 | **UELFS307-104D1W3** | | | | | | | | | | | | |
| 1 5/16 | **UELFS307-105D1W3** | 5 5/16 | 3 15/16 | 7/16 | 3/4 | 23/64 | 5/8 | 1 13/32 | 3.9370 | 2 3/32 | 2.031 | 0.720 | 5/8 |
| 1 3/8 | **UELFS307-106D1W3** | | | | | | | | | | | | |
| 1 7/16 | **UELFS307-107D1W3** | | | | | | | | | | | | |
| 40 | **UELFS308D1W3** | 150 | 112 | 13 | 19 | 10 | 17 | 40 | 115 | 60.3 | 57.1 | 19.8 | M16 |
| 1 1/2 | **UELFS308-108D1W3** | 5 29/32 | 4 13/32 | 33/64 | 3/4 | 25/64 | 21/32 | 1 9/16 | 4.5276 | 2 3/8 | 2.248 | 0.780 | 5/8 |
| 1 9/16 | **UELFS308-109D1W3** | | | | | | | | | | | | |
| 45 | **UELFS309D1W3** | 160 | 125 | 14 | 19 | 11 | 18 | 44 | 125 | 63.9 | 58.7 | 19.8 | M16 |
| 1 5/8 | **UELFS309-110D1W3** | | | | | | | | | | | | |
| 1 11/16 | **UELFS309-111D1W3** | 6 5/16 | 4 59/64 | 35/64 | 3/4 | 7/16 | 23/32 | 1 47/64 | 4.9213 | 2 33/64 | 2.311 | 0.780 | 5/8 |
| 1 3/4 | **UELFS309-112D1W3** | | | | | | | | | | | | |
| 50 | **UELFS310D1W3** | 175 | 132 | 16 | 23 | 12 | 19 | 48 | 140 | 70 | 66.6 | 24.6 | M20 |
| 1 13/16 | **UELFS310-113D1W3** | | | | | | | | | | | | |
| 1 7/8 | **UELFS310-114D1W3** | 6 7/8 | 5 13/64 | 5/8 | 29/32 | 15/32 | 3/4 | 1 57/64 | 5.5118 | 2 3/4 | 2.622 | 0.969 | 3/4 |
| 1 15/16 | **UELFS310-115D1W3** | | | | | | | | | | | | |

| Bearing number | Housing number | Mass of unit kg / lb |
|---|---|---|
| UEL305D1W3 | FS305D1 | 1.3 |
| UEL305-013D1W3 | FS305D1 | |
| UEL305-014D1W3 | FS305D1 | |
| UEL305-015D1W3 | FS305D1 | 2.9 |
| UEL305-100D1W3 | FS305D1 | |
| UEL306D1W3 | FS306D1 | 1.9 |
| UEL306-101D1W3 | FS306D1 | |
| UEL306-102D1W3 | FS306D1 | 4.2 |
| UEL306-103D1W3 | FS306D1 | |
| UEL307D1W3 | FS307D1 | 2.3 |
| UEL307-104D1W3 | FS307D1 | |
| UEL307-105D1W3 | FS307D1 | |
| UEL307-106D1W3 | FS307D1 | 5.1 |
| UEL307-107D1W3 | FS307D1 | |
| UEL308D1W3 | FS308D1 | 3.3 |
| UEL308-108D1W3 | FS308D1 | |
| UEL308-109D1W3 | FS308D1 | 7.3 |
| UEL309D1W3 | FS309D1 | 4.0 |
| UEL309-110D1W3 | FS309D1 | |
| UEL309-111D1W3 | FS309D1 | 8.8 |
| UEL309-112D1W3 | FS309D1 | |
| UEL310D1W3 | FS310D1 | 5.2 |
| UEL310-113D1W3 | FS310D1 | |
| UEL310-114D1W3 | FS310D1 | 11 |
| UEL310-115D1W3 | FS310D1 | |

**Note** (1) These numbers indicate relubricatable type. If maintenance free type is needed, please order without suffix "D1".
**Remarks** Please refer to page **A21** for size of grease fitting.

## Square flanged unit, cast housing with spigot joint
## Eccentric locking collar type

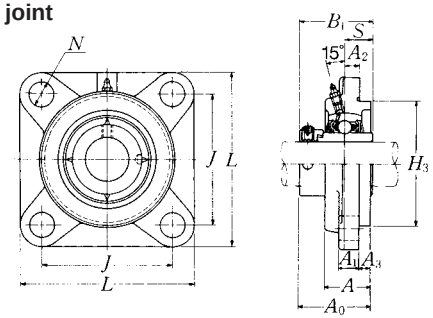



| Shaft dia. mm / inch | Unit number (1) | Nominal dimensions mm / inch | | | | | | | | | | | Bolt size mm / inch |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | $L$ | $J$ | $A_2$ | $N$ | $A_3$ | $A_1$ | $A$ | $H_3$ | $A_0$ | $B_1$ | $S$ | |
| 55 | **UELFS311D1W3** | 185 | 140 | 17 | 23 | 13 | 20 | 52 | 150 | 75.2 | 73 | 27.8 | M20 |
| 2 | **UELFS311-200D1W3** | | | | | | | | | | | | |
| $2\frac{1}{16}$ | **UELFS311-201D1W3** | $7\frac{9}{32}$ | $5\frac{33}{64}$ | $\frac{43}{64}$ | $\frac{29}{32}$ | $\frac{33}{64}$ | $\frac{25}{32}$ | $2\frac{3}{64}$ | 5.9055 | $2\frac{61}{64}$ | 2.874 | 1.094 | $\frac{3}{4}$ |
| $2\frac{1}{8}$ | **UELFS311-202D1W3** | | | | | | | | | | | | |
| $2\frac{3}{16}$ | **UELFS311-203D1W3** | | | | | | | | | | | | |
| 60 | **UELFS312D1W3** | 195 | 150 | 19 | 23 | 14 | 22 | 56 | 160 | 81.45 | 79.4 | 30.95 | M20 |
| $2\frac{1}{4}$ | **UELFS312-204D1W3** | | | | | | | | | | | | |
| $2\frac{5}{16}$ | **UELFS312-205D1W3** | $7\frac{11}{16}$ | $5\frac{29}{32}$ | $\frac{3}{4}$ | $\frac{29}{32}$ | $\frac{35}{64}$ | $\frac{7}{8}$ | $2\frac{13}{16}$ | 6.2992 | $3\frac{13}{64}$ | 3.126 | 1.219 | $\frac{3}{4}$ |
| $2\frac{3}{8}$ | **UELFS312-206D1W3** | | | | | | | | | | | | |
| $2\frac{7}{16}$ | **UELFS312-207D1W3** | | | | | | | | | | | | |
| 65 | **UELFS313D1W3** | 208 | 166 | 15 | 23 | 18 | 22 | 58 | 175 | 86.15 | 85.7 | 32.55 | M20 |
| $2\frac{1}{2}$ | **UELFS313-208D1W3** | $8\frac{3}{16}$ | $6\frac{17}{32}$ | $\frac{19}{32}$ | $\frac{29}{32}$ | $\frac{45}{64}$ | $\frac{7}{8}$ | $2\frac{9}{32}$ | 6.8898 | $3\frac{25}{64}$ | 3.374 | 1.281 | $\frac{3}{4}$ |
| $2\frac{9}{16}$ | **UELFS313-209D1W3** | | | | | | | | | | | | |
| 70 | **UELFS314D1W3** | 226 | 178 | 18 | 25 | 18 | 25 | 61 | 185 | 93.95 | 92.1 | 34.15 | M22 |
| $2\frac{5}{8}$ | **UELFS314-210D1W3** | | | | | | | | | | | | |
| $2\frac{11}{16}$ | **UELFS314-211D1W3** | $8\frac{29}{32}$ | $7\frac{1}{64}$ | $\frac{45}{64}$ | $\frac{63}{64}$ | $\frac{45}{64}$ | $\frac{31}{32}$ | $2\frac{13}{32}$ | 7.2835 | $3\frac{45}{64}$ | 3.626 | 1.344 | $\frac{7}{8}$ |
| $2\frac{3}{4}$ | **UELFS314-212D1W3** | | | | | | | | | | | | |
| 75 | **UELFS315D1W3** | 236 | 184 | 21 | 25 | 18 | 25 | 66 | 200 | 101.7 | 100 | 37.3 | M22 |
| $2\frac{13}{16}$ | **UELFS315-213D1W3** | | | | | | | | | | | | |
| $2\frac{7}{8}$ | **UELFS315-214D1W3** | $9\frac{9}{32}$ | $7\frac{1}{4}$ | $\frac{53}{64}$ | $\frac{63}{64}$ | $\frac{45}{64}$ | $\frac{31}{32}$ | $2\frac{19}{32}$ | 7.8740 | 4 | 3.937 | 1.469 | $\frac{7}{8}$ |
| $2\frac{15}{16}$ | **UELFS315-215D1W3** | | | | | | | | | | | | |
| 3 | **UELFS315-300D1W3** | | | | | | | | | | | | |
| 80 | **UELFS316D1W3** | 250 | 196 | 18 | 31 | 20 | 27 | 68 | 210 | 103.9 | 106.4 | 40.5 | M27 |
| $3\frac{1}{16}$ | **UELFS316-301D1W3** | | | | | | | | | | | | |
| $3\frac{1}{8}$ | **UELFS316-302D1W3** | $9\frac{27}{32}$ | $7\frac{23}{32}$ | $\frac{45}{64}$ | $1\frac{7}{32}$ | $\frac{25}{32}$ | $1\frac{1}{16}$ | $2\frac{43}{64}$ | 8.2677 | $4\frac{3}{32}$ | 4.189 | 1.594 | 1 |
| $3\frac{3}{16}$ | **UELFS316-303D1W3** | | | | | | | | | | | | |

| Bearing number | Housing number | Mass of unit kg / lb |
|---|---|---|
| UEL311D1W3 | FS311D1 | 6.2 |
| UEL311-200D1W3 | FS311D1 | |
| UEL311-201D1W3 | FS311D1 | 14 |
| UEL311-202D1W3 | FS311D1 | |
| UEL311-203D1W3 | FS311D1 | |
| UEL312D1W3 | FS312D1 | 7.4 |
| UEL312-204D1W3 | FS312D1 | |
| UEL312-205D1W3 | FS312D1 | 16 |
| UEL312-206D1W3 | FS312D1 | |
| UEL312-207D1W3 | FS312D1 | |
| UEL313D1W3 | FS313D1 | 9.0 |
| UEL313-208D1W3 | FS313D1 | |
| UEL313-209D1W3 | FS313D1 | 20 |
| UEL314D1W3 | FS314D1 | 11 |
| UEL314-210D1W3 | FS314D1 | |
| UEL314-211D1W3 | FS314D1 | 24 |
| UEL314-212D1W3 | FS314D1 | |
| UEL315D1W3 | FS315D1 | 13 |
| UEL315-213D1W3 | FS315D1 | |
| UEL315-214D1W3 | FS315D1 | 29 |
| UEL315-215D1W3 | FS315D1 | |
| UEL315-300D1W3 | FS315D1 | |
| UEL316D1W3 | FS316D1 | 16 |
| UEL316-301D1W3 | FS316D1 | |
| UEL316-302D1W3 | FS316D1 | 35 |
| UEL316-303D1W3 | FS316D1 | |

**Note** (1) These numbers indicate relubricatable type. If maintenance free type is needed, please order without suffix "D1".
**Remarks** Please refer to page **A21** for size of grease fitting.

## Square flanged unit, cast housing with spigot joint
## Eccentric locking collar type

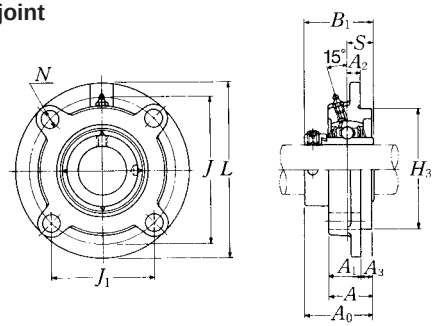



| Shaft dia. mm / inch | Unit number (1) | Nominal dimensions mm / inch | | | | | | | | | | | Bolt size mm / inch |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | $L$ | $J$ | $A_2$ | $N$ | $A_3$ | $A_1$ | $A$ | $H_3$ | $A_0$ | $B_1$ | $S$ | |
| 85 | **UELFS317D1W3** | 260 | 204 | 24 | 31 | 20 | 27 | 74 | 220 | 111.45 | 109.5 | 42.05 | M27 |
| 3 1/4 | **UELFS317-304D1W3** | | | | | | | | | | | | |
| 3 5/16 | **UELFS317-305D1W3** | 10 1/4 | 8 1/32 | 15/16 | 1 7/32 | 25/32 | 1 1/16 | 2 29/32 | 8.6614 | 4 25/64 | 4.311 | 1.656 | 1 |
| 3 7/16 | **UELFS317-307D1W3** | | | | | | | | | | | | |
| 90 | **UELFS318D1W3** | 280 | 216 | 24 | 35 | 20 | 30 | 76 | 240 | 116.25 | 115.9 | 43.65 | M30 |
| 3 7/16 | **UELFS318-307D1W3** | 11 1/32 | 8 1/2 | 15/16 | 1 3/8 | 25/32 | 1 3/16 | 2 63/64 | 9.4488 | 4 37/64 | 4.563 | 1.719 | 1 1/8 |
| 3 1/2 | **UELFS318-308D1W3** | | | | | | | | | | | | |
| 95 | **UELFS319D1W3** | 290 | 228 | 39 | 35 | 20 | 30 | 94 | 250 | 142.4 | 122.3 | 38.9 | M30 |
| 3 5/8 | **UELFS319-310D1W3** | | | | | | | | | | | | |
| 3 11/16 | **UELFS319-311D1W3** | 11 13/32 | 8 31/32 | 1 17/32 | 1 3/8 | 25/32 | 1 3/16 | 3 45/64 | 9.8425 | 5 39/64 | 4.815 | 1.531 | 1 1/8 |
| 3 3/4 | **UELFS319-312D1W3** | | | | | | | | | | | | |
| 100 | **UELFS320D1W3** | 310 | 242 | 39 | 38 | 20 | 32 | 94 | 260 | 137.6 | 128.6 | 50 | M33 |
| 3 13/16 | **UELFS320-313D1W3** | | | | | | | | | | | | |
| 3 7/8 | **UELFS320-314D1W3** | 12 7/32 | 9 17/32 | 1 17/32 | 1 1/2 | 25/32 | 1 1/4 | 3 45/64 | 10.2362 | 5 27/64 | 5.063 | 1.969 | 1 1/4 |
| 3 15/16 | **UELFS320-315D1W3** | | | | | | | | | | | | |
| 4 | **UELFS320-400D1W3** | | | | | | | | | | | | |
| 105 | **UELFS321D1W3** | 310 | 242 | 39 | 38 | 20 | 32 | 94 | 260 | 150.3 | 139.7 | 48.4 | M33 |
| 110 | **UELFS322D1W3** | 340 | 266 | 35 | 41 | 25 | 35 | 96 | 300 | 152.1 | 141.3 | 49.2 | M36 |

| Bearing number | Housing number | Mass of unit kg / lb |
|---|---|---|
| UEL317D1W3 | FS317D1 | 18 |
| UEL317-304D1W3 | FS317D1 | |
| UEL317-305D1W3 | FS317D1 | 40 |
| UEL317-307D1W3 | FS317D1 | |
| UEL318D1W3 | FS318D1 | 22 |
| UEL318-307D1W3 | FS318D1 | |
| UEL318-308D1W3 | FS318D1 | 49 |
| UEL319D1W3 | FS319D1 | 26 |
| UEL319-310D1W3 | FS319D1 | |
| UEL319-311D1W3 | FS319D1 | 57 |
| UEL319-312D1W3 | FS319D1 | |
| UEL320D1W3 | FS320D1 | 31 |
| UEL320-313D1W3 | FS320D1 | |
| UEL320-314D1W3 | FS320D1 | |
| UEL320-315D1W3 | FS320D1 | 68 |
| UEL320-400D1W3 | FS320D1 | |
| UEL321D1W3 | FS321D1 | 31 |
| UEL322D1W3 | FS322D1 | 41 |

**Note** (1) These numbers indicate relubricatable type. If maintenance free type is needed, please order without suffix "D1".
**Remarks** Please refer to page **A21** for size of grease fitting.

## Round flanged unit, cast housing with spigot joint
## Eccentric locking collar type

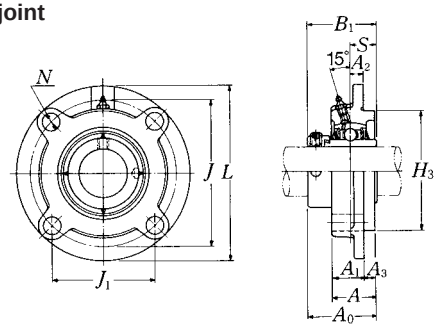



| Shaft dia. mm / inch | Unit number (1) | Nominal dimensions mm / inch | | | | | | | | | | | | Bolt size mm / inch |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | $L$ | $J$ | $(J_1)$ | $A_2$ | $N$ | $A_3$ | $A_1$ | $A$ | $H_3$ | $A_0$ | $B_1$ | $S$ | |
| 20 | UELFC204D1W3 | 100 | 78 | 55.2 | 10 | 12 | 5 | 20.5 | 25.5 | 62 | 41.6 | 43.7 | 17.1 | M10 |
| 3/4 | UELFC204-012D1W3 | 3 15/16 | 3 5/64 | 2 11/64 | 25/64 | 15/32 | 13/64 | 13/16 | 1 | 2.4409 | 1 41/64 | 1.720 | 0.673 | 3/8 |
| 25 | UELFC205D1W3 | 115 | 90 | 63.6 | 10 | 12 | 6 | 21 | 27 | 70 | 42.95 | 44.4 | 17.45 | M10 |
| 13/16 | UELFC205-013D1W3 | | | | | | | | | | | | | |
| 7/8 | UELFC205-014D1W3 | 4 17/32 | 3 35/64 | 2 1/2 | 25/64 | 15/32 | 15/64 | 13/16 | 1 1/16 | 2.7559 | 1 11/16 | 1.748 | 0.687 | 3/8 |
| 15/16 | UELFC205-015D1W3 | | | | | | | | | | | | | |
| 1 | UELFC205-100D1W3 | | | | | | | | | | | | | |
| 30 | UELFC206D1W3 | 125 | 100 | 70.7 | 10 | 12 | 8 | 23 | 31 | 80 | 48.15 | 48.4 | 18.25 | M10 |
| 1 1/16 | UELFC206-101D1W3 | | | | | | | | | | | | | |
| 1 1/8 | UELFC206-102D1W3 | 4 29/32 | 3 15/16 | 2 25/32 | 25/64 | 15/32 | 5/16 | 29/32 | 1 7/32 | 3.1496 | 1 57/64 | 1.906 | 0.719 | 3/8 |
| 1 3/16 | UELFC206-103D1W3 | | | | | | | | | | | | | |
| 1 1/4 | UELFC206-104D1W3 | | | | | | | | | | | | | |
| 35 | UELFC207D1W3 | 135 | 110 | 77.8 | 11 | 14 | 8 | 26 | 34 | 90 | 51.3 | 51.1 | 18.8 | M12 |
| 1 1/4 | UELFC207-104D1W3 | | | | | | | | | | | | | |
| 1 5/16 | UELFC207-105D1W3 | 5 5/16 | 4 21/64 | 3 1/16 | 7/16 | 35/64 | 5/16 | 1 1/32 | 1 11/32 | 3.5433 | 2 1/64 | 2.012 | 0.740 | 7/16 |
| 1 3/8 | UELFC207-106D1W3 | | | | | | | | | | | | | |
| 1 7/16 | UELFC207-107D1W3 | | | | | | | | | | | | | |
| 40 | UELFC208D1W3 | 145 | 120 | 84.9 | 11 | 14 | 10 | 26 | 36 | 100 | 55.9 | 56.3 | 21.4 | M12 |
| 1 1/2 | UELFC208-108D1W3 | 5 23/32 | 4 23/32 | 3 11/32 | 7/16 | 35/64 | 25/64 | 1 1/32 | 1 27/64 | 3.9370 | 2 13/64 | 2.217 | 0.843 | 7/16 |
| 1 9/16 | UELFC208-109D1W3 | | | | | | | | | | | | | |
| 45 | UELFC209D1W3 | 160 | 132 | 93.3 | 10 | 16 | 12 | 26 | 38 | 105 | 56.9 | 56.3 | 21.4 | M14 |
| 1 5/8 | UELFC209-110D1W3 | | | | | | | | | | | | | |
| 1 11/16 | UELFC209-111D1W3 | 6 5/16 | 5 13/64 | 3 43/64 | 25/64 | 5/8 | 15/32 | 1 1/32 | 1 1/2 | 4.1339 | 2 15/64 | 2.217 | 0.843 | 1/2 |
| 1 3/4 | UELFC209-112D1W3 | | | | | | | | | | | | | |
| 50 | UELFC210D1W3 | 165 | 138 | 97.6 | 10 | 16 | 12 | 28 | 40 | 110 | 60.1 | 62.7 | 24.6 | M14 |
| 1 13/16 | UELFC210-113D1W3 | | | | | | | | | | | | | |
| 1 7/8 | UELFC210-114D1W3 | 6 1/2 | 5 7/16 | 3 27/32 | 25/64 | 5/8 | 15/32 | 1 3/32 | 1 37/64 | 4.3307 | 2 23/64 | 2.469 | 0.969 | 1/2 |
| 1 15/16 | UELFC210-115D1W3 | | | | | | | | | | | | | |
| 2 | UELFC210-200D1W3 | | | | | | | | | | | | | |

| Bearing number | Housing number | Mass of unit kg / lb |
|---|---|---|
| UEL204D1W3 | FC204D1 | 0.8 |
| UEL204-012D1W3 | FC204D1 | 1.8 |
| UEL205D1W3 | FC205D1 | 1.1 |
| UEL205-013D1W3 | FC205D1 | |
| UEL205-014D1W3 | FC205D1 | 2.4 |
| UEL205-015D1W3 | FC205D1 | |
| UEL205-100D1W3 | FC205D1 | |
| UEL206D1W3 | FC206D1 | 1.4 |
| UEL206-101D1W3 | FC206D1 | |
| UEL206-102D1W3 | FC206D1 | 3.1 |
| UEL206-103D1W3 | FC206D1 | |
| UEL206-104D1W3 | FC206D1 | |
| UEL207D1W3 | FC207D1 | 1.8 |
| UEL207-104D1W3 | FC207D1 | |
| UEL207-105D1W3 | FC207D1 | 4.0 |
| UEL207-106D1W3 | FC207D1 | |
| UEL207-107D1W3 | FC207D1 | |
| UEL208D1W3 | FC208D1 | 2.1 |
| UEL208-108D1W3 | FC208D1 | 4.6 |
| UEL208-109D1W3 | FC208D1 | |
| UEL209D1W3 | FC209D1 | 2.8 |
| UEL209-110D1W3 | FC209D1 | |
| UEL209-111D1W3 | FC209D1 | 6.2 |
| UEL209-112D1W3 | FC209D1 | |
| UEL210D1W3 | FC210D1 | 3.1 |
| UEL210-113D1W3 | FC210D1 | |
| UEL210-114D1W3 | FC210D1 | 6.8 |
| UEL210-115D1W3 | FC210D1 | |
| UEL210-200D1W3 | FC210D1 | |

**Note** (1) These numbers indicate relubricatable type. If maintenance free type is needed, please order without suffix "D1".
**Remarks** Please refer to page **A21** for size of grease fitting.

## Round flanged unit, cast housing with spigot joint
## Eccentric locking collar type

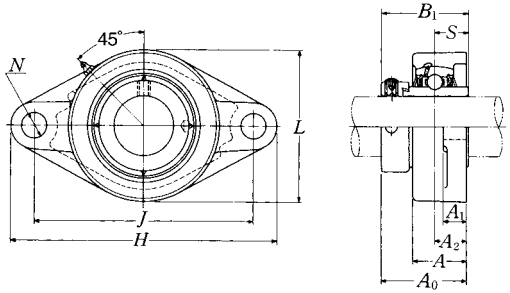


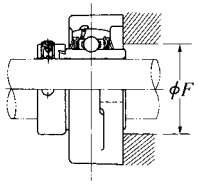

| Shaft dia. mm / inch | Unit number (1) | Nominal dimensions mm / inch | | | | | | | | | | | | Bolt size mm / inch |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | $L$ | $J$ | $(J_1)$ | $A_2$ | $N$ | $A_3$ | $A_1$ | $A$ | $H_3$ | $A_0$ | $B_1$ | $S$ | |
| 55 | **UELFC211D1W3** | 185 | 150 | 106.1 | 13 | 19 | 12 | 31 | 43 | 125 | 68.65 | 71.4 | 27.75 | M16 |
| 2 | **UELFC211-200D1W3** | | | | | | | | | | | | | |
| 2 1/16 | **UELFC211-201D1W3** | 7 9/32 | 5 29/32 | 4 11/64 | 33/64 | 3/4 | 15/32 | 1 7/32 | 1 11/16 | 4.9213 | 2 45/64 | 2.811 | 1.093 | 5/8 |
| 2 1/8 | **UELFC211-202D1W3** | | | | | | | | | | | | | |
| 2 3/16 | **UELFC211-203D1W3** | | | | | | | | | | | | | |
| 60 | **UELFC212D1W3** | 195 | 160 | 113.1 | 17 | 19 | 12 | 36 | 48 | 135 | 75.85 | 77.8 | 30.95 | M16 |
| 2 1/4 | **UELFC212-204D1W3** | | | | | | | | | | | | | |
| 2 5/16 | **UELFC212-205D1W3** | 7 11/16 | 6 19/64 | 4 29/64 | 43/64 | 3/4 | 15/32 | 1 13/32 | 1 57/64 | 5.3150 | 2 63/64 | 3.063 | 1.219 | 5/8 |
| 2 3/8 | **UELFC212-206D1W3** | | | | | | | | | | | | | |
| 2 7/16 | **UELFC212-207D1W3** | | | | | | | | | | | | | |
| 65 | **UELFC213D1W3** | 205 | 170 | 120.2 | 16 | 19 | 14 | 36 | 50 | 145 | 81.55 | 85.7 | 34.15 | M16 |
| 2 1/2 | **UELFC213-208D1W3** | 8 1/16 | 6 11/16 | 4 47/64 | 5/8 | 3/4 | 35/64 | 1 13/32 | 1 31/32 | 5.7087 | 3 13/64 | 3.374 | 1.344 | 5/8 |
| 2 9/16 | **UELFC213-209D1W3** | | | | | | | | | | | | | |
| 70 | **UELFC214D1W3** | 215 | 177 | 125.2 | 17 | 19 | 14 | 40 | 54 | 150 | 82.55 | 85.7 | 34.15 | M16 |
| 2 5/8 | **UELFC214-210D1W3** | | | | | | | | | | | | | |
| 2 11/16 | **UELFC214-211D1W3** | 8 15/32 | 6 31/32 | 4 59/64 | 43/64 | 3/4 | 35/64 | 1 37/64 | 2 1/8 | 5.9055 | 3 1/4 | 3.374 | 1.344 | 5/8 |
| 2 3/4 | **UELFC214-212D1W3** | | | | | | | | | | | | | |
| 75 | **UELFC215D1W3** | 220 | 184 | 130.1 | 18 | 19 | 16 | 40 | 56 | 160 | 88.7 | 92 | 37.3 | M16 |
| 2 13/16 | **UELFC215-213D1W3** | | | | | | | | | | | | | |
| 2 7/8 | **UELFC215-214D1W3** | 8 21/32 | 7 1/4 | 5 1/8 | 45/64 | 3/4 | 5/8 | 1 37/64 | 2 13/64 | 6.2992 | 3 31/64 | 3.622 | 1.469 | 5/8 |
| 2 15/16 | **UELFC215-215D1W3** | | | | | | | | | | | | | |
| 3 | **UELFC215-300D1W3** | | | | | | | | | | | | | |

| Bearing number | Housing number | Mass of unit kg / lb |
|---|---|---|
| UEL211D1W3 | FC211D1 | 4.3 |
| UEL211-200D1W3 | FC211D1 | |
| UEL211-201D1W3 | FC211D1 | 9.5 |
| UEL211-202D1W3 | FC211D1 | |
| UEL211-203D1W3 | FC211D1 | |
| UEL212D1W3 | FC212D1 | 5.2 |
| UEL212-204D1W3 | FC212D1 | |
| UEL212-205D1W3 | FC212D1 | 11 |
| UEL212-206D1W3 | FC212D1 | |
| UEL212-207D1W3 | FC212D1 | |
| UEL213D1W3 | FC213D1 | 6.5 |
| UEL213-208D1W3 | FC213D1 | 14 |
| UEL213-209D1W3 | FC213D1 | |
| UEL214D1W3 | FC214D1 | 7.4 |
| UEL214-210D1W3 | FC214D1 | |
| UEL214-211D1W3 | FC214D1 | 16 |
| UEL214-212D1W3 | FC214D1 | |
| UEL215D1W3 | FC215D1 | 7.8 |
| UEL215-213D1W3 | FC215D1 | |
| UEL215-214D1W3 | FC215D1 | 17 |
| UEL215-215D1W3 | FC215D1 | |
| UEL215-300D1W3 | FC215D1 | |

**Note** (1) These numbers indicate relubricatable type. If maintenance free type is needed, please order without suffix "D1".
**Remarks** Please refer to page **A21** for size of grease fitting.

## Rhombus flanged unit, cast housing
## Eccentric locking collar type



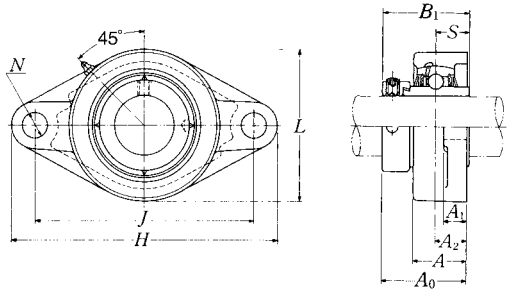



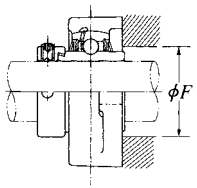

| Shaft dia. mm / inch | Unit number (1) | Nominal dimensions mm / inch: H | J | $A_2$ | $A_1$ | A | N | L | $A_0$ | $B_1$ | S | F min. | Bolt size mm / inch |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 20 | UELFL204D1W3 | 113 | 90 | 15 | 11 | 25.5 | 12 | 60 | 41.6 | 43.7 | 17.1 | 34 | M10 |
| 3/4 | UELFL204-012D1W3 | 4 7/16 | 3 35/64 | 19/32 | 7/16 | 1 | 15/32 | 2 3/8 | 1 41/64 | 1.720 | 0.673 | 1.339 | 3/8 |
| 25 | UELFL205D1W3 | 130 | 99 | 16 | 13 | 27 | 16 | 68 | 42.95 | 44.4 | 17.45 | 38 | M14 |
| 13/16 | UELFL205-013D1W3 | | | | | | | | | | | | |
| 7/8 | UELFL205-014D1W3 | | | | | | | | | | | | |
| 15/16 | UELFL205-015D1W3 | 5 1/8 | 3 57/64 | 5/8 | 1/2 | 1 1/16 | 5/8 | 2 11/16 | 1 11/16 | 1.748 | 0.687 | 1.496 | 1/2 |
| 1 | UELFL205-100D1W3 | | | | | | | | | | | | |
| 30 | UELFL206D1W3 | 148 | 117 | 18 | 13 | 31 | 16 | 80 | 48.15 | 48.4 | 18.25 | 45 | M14 |
| 1 1/16 | UELFL206-101D1W3 | | | | | | | | | | | | |
| 1 1/8 | UELFL206-102D1W3 | | | | | | | | | | | | |
| 1 3/16 | UELFL206-103D1W3 | 5 13/16 | 4 39/64 | 45/64 | 1/2 | 1 7/32 | 5/8 | 3 5/32 | 1 57/64 | 1.906 | 0.719 | 1.772 | 1/2 |
| 1 1/4 | UELFL206-104D1W3 | | | | | | | | | | | | |
| 35 | UELFL207D1W3 | 161 | 130 | 19 | 15 | 34 | 16 | 90 | 51.3 | 51.1 | 18.8 | 51 | M14 |
| 1 1/4 | UELFL207-104D1W3 | | | | | | | | | | | | |
| 1 5/16 | UELFL207-105D1W3 | | | | | | | | | | | | |
| 1 3/8 | UELFL207-106D1W3 | 6 11/32 | 5 1/8 | 3/4 | 19/32 | 1 11/32 | 5/8 | 3 17/32 | 2 1/64 | 2.012 | 0.740 | 2.008 | 1/2 |
| 1 7/16 | UELFL207-107D1W3 | | | | | | | | | | | | |
| 40 | UELFL208D1W3 | 175 | 144 | 21 | 15 | 36 | 16 | 100 | 55.9 | 56.3 | 21.4 | 57 | M14 |
| 1 1/2 | UELFL208-108D1W3 | | | | | | | | | | | | |
| 1 9/16 | UELFL208-109D1W3 | 6 7/8 | 5 43/64 | 53/64 | 19/32 | 1 13/32 | 5/8 | 3 15/16 | 2 13/64 | 2.217 | 0.843 | 2.244 | 1/2 |
| 45 | UELFL209D1W3 | 188 | 148 | 22 | 16 | 38 | 19 | 108 | 56.9 | 56.3 | 21.4 | 62 | M16 |
| 1 5/8 | UELFL209-110D1W3 | | | | | | | | | | | | |
| 1 11/16 | UELFL209-111D1W3 | | | | | | | | | | | | |
| 1 3/4 | UELFL209-112D1W3 | 7 13/32 | 5 53/64 | 55/64 | 5/8 | 1 1/2 | 3/4 | 4 1/4 | 2 15/64 | 2.217 | 0.843 | 2.441 | 5/8 |
| 50 | UELFL210D1W3 | 197 | 157 | 22 | 16 | 40 | 19 | 115 | 60.1 | 62.7 | 24.6 | 67 | M16 |
| 1 13/16 | UELFL210-113D1W3 | | | | | | | | | | | | |
| 1 7/8 | UELFL210-114D1W3 | | | | | | | | | | | | |
| 1 15/16 | UELFL210-115D1W3 | 7 3/4 | 6 3/16 | 55/64 | 5/8 | 1 9/16 | 3/4 | 4 17/32 | 2 23/64 | 2.469 | 0.969 | 2.638 | 5/8 |
| 2 | UELFL210-200D1W3 | | | | | | | | | | | | |

| Bearing number | Housing number | Mass of unit kg / lb |
|---|---|---|
| UEL204D1W3 | FL204D1 | 0.5 |
| UEL204-012D1W3 | FL204D1 | 1.1 |
| UEL205D1W3 | FL205D1 | 0.7 |
| UEL205-013D1W3 | FL205D1 | |
| UEL205-014D1W3 | FL205D1 | |
| UEL205-015D1W3 | FL205D1 | 1.5 |
| UEL205-100D1W3 | FL205D1 | |
| UEL206D1W3 | FL206D1 | 1.0 |
| UEL206-101D1W3 | FL206D1 | |
| UEL206-102D1W3 | FL206D1 | |
| UEL206-103D1W3 | FL206D1 | 2.2 |
| UEL206-104D1W3 | FL206D1 | |
| UEL207D1W3 | FL207D1 | 1.3 |
| UEL207-104D1W3 | FL207D1 | |
| UEL207-105D1W3 | FL207D1 | |
| UEL207-106D1W3 | FL207D1 | 2.9 |
| UEL207-107D1W3 | FL207D1 | |
| UEL208D1W3 | FL208D1 | 1.6 |
| UEL208-108D1W3 | FL208D1 | |
| UEL208-109D1W3 | FL208D1 | 3.5 |
| UEL209D1W3 | FL209D1 | 2.0 |
| UEL209-110D1W3 | FL209D1 | |
| UEL209-111D1W3 | FL209D1 | 4.4 |
| UEL209-112D1W3 | FL209D1 | |
| UEL210D1W3 | FL210D1 | 2.2 |
| UEL210-113D1W3 | FL210D1 | |
| UEL210-114D1W3 | FL210D1 | |
| UEL210-115D1W3 | FL210D1 | 4.9 |
| UEL210-200D1W3 | FL210D1 | |

**Note** (1) These numbers indicate relubricatable type. If maintenance free type is needed, please order without suffix "D1".
**Remarks** Please refer to page **A21** for size of grease fitting.

## Rhombus flanged unit, cast housing
## Eccentric locking collar type



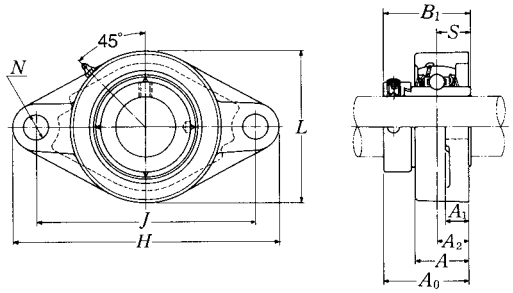



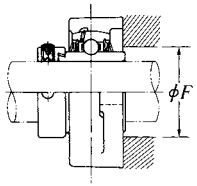

| Shaft dia. mm / inch | Unit number (1) | Nominal dimensions mm / inch: H | J | $A_2$ | $A_1$ | A | N | L | $A_0$ | $B_1$ | S | F min. | Bolt size mm / inch |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 55 | UELFL211D1W3 | 224 | 184 | 25 | 18 | 43 | 19 | 130 | 68.65 | 71.4 | 27.75 | 73 | M16 |
| 2 | UELFL211-200D1W3 | | | | | | | | | | | | |
| 2 1/16 | UELFL211-201D1W3 | 8 13/16 | 7 1/4 | 63/64 | 23/32 | 1 11/16 | 3/4 | 5 1/8 | 2 45/64 | 2.811 | 1.093 | 2.874 | 5/8 |
| 2 1/8 | UELFL211-202D1W3 | | | | | | | | | | | | |
| 2 3/16 | UELFL211-203D1W3 | | | | | | | | | | | | |
| 60 | UELFL212D1W3 | 250 | 202 | 29 | 18 | 48 | 23 | 140 | 75.85 | 77.8 | 30.95 | 81 | M20 |
| 2 1/4 | UELFL212-204D1W3 | | | | | | | | | | | | |
| 2 5/16 | UELFL212-205D1W3 | 9 27/32 | 7 61/64 | 1 9/64 | 23/32 | 1 7/8 | 29/32 | 5 1/2 | 2 63/64 | 3.063 | 1.219 | 3.189 | 3/4 |
| 2 3/8 | UELFL212-206D1W3 | | | | | | | | | | | | |
| 2 7/16 | UELFL212-207D1W3 | | | | | | | | | | | | |
| 65 | UELFL213D1W3 | 258 | 210 | 30 | 22 | 50 | 23 | 155 | 81.55 | 85.7 | 34.15 | 87 | M20 |
| 2 1/2 | UELFL213-208D1W3 | 10 5/32 | 8 17/64 | 1 3/16 | 7/8 | 1 31/32 | 29/32 | 6 3/32 | 3 13/64 | 3.374 | 1.344 | 3.425 | 3/4 |
| 2 9/16 | UELFL213-209D1W3 | | | | | | | | | | | | |
| 70 | UELFL214D1W3 | 265 | 216 | 31 | 22 | 54 | 23 | 160 | 82.55 | 85.7 | 34.15 | 91 | M20 |
| 2 5/8 | UELFL214-210D1W3 | | | | | | | | | | | | |
| 2 11/16 | UELFL214-211D1W3 | 10 7/16 | 8 1/2 | 1 7/32 | 7/8 | 2 1/8 | 29/32 | 6 5/16 | 3 1/4 | 3.374 | 1.344 | 3.583 | 3/4 |
| 2 3/4 | UELFL214-212D1W3 | | | | | | | | | | | | |
| 75 | UELFL215D1W3 | 275 | 225 | 34 | 22 | 56 | 23 | 165 | 88.7 | 92 | 37.3 | 97 | M20 |
| 2 13/16 | UELFL215-213D1W3 | | | | | | | | | | | | |
| 2 7/8 | UELFL215-214D1W3 | 10 13/16 | 8 55/64 | 1 11/32 | 7/8 | 2 7/32 | 29/32 | 6 1/2 | 3 31/64 | 3.622 | 1.469 | 3.819 | 3/4 |
| 2 15/16 | UELFL215-215D1W3 | | | | | | | | | | | | |
| 3 | UELFL215-300D1W3 | | | | | | | | | | | | |

| Bearing number | Housing number | Mass of unit kg / lb |
|---|---|---|
| UEL211D1W3 | FL211D1 | 3.2 |
| UEL211-200D1W3 | FL211D1 | |
| UEL211-201D1W3 | FL211D1 | 7.1 |
| UEL211-202D1W3 | FL211D1 | |
| UEL211-203D1W3 | FL211D1 | |
| UEL212D1W3 | FL212D1 | 4.1 |
| UEL212-204D1W3 | FL212D1 | |
| UEL212-205D1W3 | FL212D1 | 9.0 |
| UEL212-206D1W3 | FL212D1 | |
| UEL212-207D1W3 | FL212D1 | |
| UEL213D1W3 | FL213D1 | 5.5 |
| UEL213-208D1W3 | FL213D1 | 12 |
| UEL213-209D1W3 | FL213D1 | |
| UEL214D1W3 | FL214D1 | 5.8 |
| UEL214-210D1W3 | FL214D1 | |
| UEL214-211D1W3 | FL214D1 | 13 |
| UEL214-212D1W3 | FL214D1 | |
| UEL215D1W3 | FL215D1 | 6.3 |
| UEL215-213D1W3 | FL215D1 | |
| UEL215-214D1W3 | FL215D1 | 14 |
| UEL215-215D1W3 | FL215D1 | |
| UEL215-300D1W3 | FL215D1 | |

**Note** (1) These numbers indicate relubricatable type. If maintenance free type is needed, please order without suffix "D1".
**Remarks** Please refer to page **A21** for size of grease fitting.

## Rhombus flanged unit, cast housing
## Eccentric locking collar type



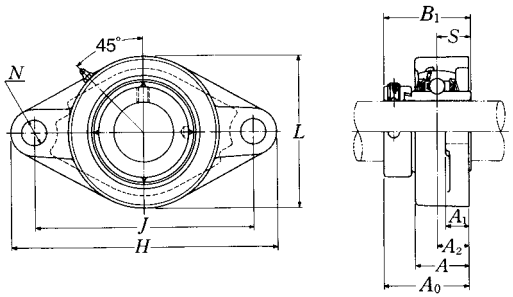



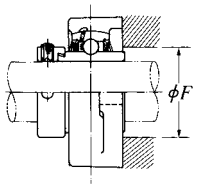

| Shaft dia. mm / inch | Unit number (1)(2) | Nominal dimensions mm inch: H | J | $A_2$ | $A_1$ | A | N | L | $A_0$ | $B_1$ | S | F min. | Bolt size mm / inch |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 25 | UELFL305D1W3 | 150 | 113 | 16 | 13 | 29 | 19 | 80 | 46.1 | 46.8 | 16.7 | 41 | M16 |
| 13/16 | UELFL305-013D1W3 | | | | | | | | | | | | |
| 7/8 | UELFL305-014D1W3 | 5 29/32 | 4 29/64 | 5/8 | 1/2 | 1 5/32 | 3/4 | 3 5/32 | 1 13/16 | 1.843 | 0.657 | 1.614 | 5/8 |
| 15/16 | UELFL305-015D1W3 | | | | | | | | | | | | |
| 1 | UELFL305-100D1W3 | | | | | | | | | | | | |
| 30 | UELFL306D1W3 | 180 | 134 | 18 | 15 | 32 | 23 | 90 | 50.5 | 50 | 17.5 | 49 | M20 |
| 1 1/16 | UELFL306-101D1W3 | | | | | | | | | | | | |
| 1 1/8 | UELFL306-102D1W3 | 7 3/32 | 5 9/32 | 45/64 | 19/32 | 1 1/4 | 29/32 | 3 17/32 | 1 63/64 | 1.969 | 0.689 | 1.929 | 3/4 |
| 1 3/16 | UELFL306-103D1W3 | | | | | | | | | | | | |
| 35 | UELFL307D1W3 | 185 | 141 | 20 | 16 | 36 | 23 | 100 | 53.3 | 51.6 | 18.3 | – | M20 |
| 1 1/4 | UELFL307-104D1W3 | | | | | | | | | | | | |
| 1 5/16 | UELFL307-105D1W3 | | | | | | | | | | | | |
| 1 3/8 | UELFL307-106D1W3 | 7 9/32 | 5 35/64 | 25/32 | 5/8 | 1 13/32 | 29/32 | 3 15/16 | 2 3/32 | 2.031 | 0.720 | – | 3/4 |
| 1 7/16 | UELFL307-107D1W3 | | | | | | | | | | | | |
| 40 | UELFL308D1W3 | 200 | 158 | 23 | 17 | 40 | 23 | 112 | 60.3 | 57.1 | 19.8 | – | M20 |
| 1 1/2 | UELFL308-108D1W3 | 7 7/8 | 6 7/32 | 29/32 | 21/32 | 1 9/16 | 29/32 | 4 13/32 | 2 3/8 | 2.248 | 0.780 | – | 3/4 |
| 1 9/16 | UELFL308-109D1W3 | | | | | | | | | | | | |
| 45 | UELFL309D1W3 | 230 | 177 | 25 | 18 | 44 | 25 | 125 | 63.9 | 58.7 | 19.8 | – | M22 |
| 1 5/8 | UELFL309-110D1W3 | | | | | | | | | | | | |
| 1 11/16 | UELFL309-111D1W3 | 9 1/16 | 6 31/32 | 63/64 | 23/32 | 1 23/32 | 63/64 | 4 29/32 | 2 33/64 | 2.311 | 0.780 | – | 7/8 |
| 1 3/4 | UELFL309-112D1W3 | | | | | | | | | | | | |
| 50 | UELFL310D1W3 | 240 | 187 | 28 | 19 | 48 | 25 | 140 | 70 | 66.6 | 24.6 | – | M22 |
| 1 13/16 | UELFL310-113D1W3 | | | | | | | | | | | | |
| 1 7/8 | UELFL310-114D1W3 | 9 7/16 | 7 23/64 | 1 7/64 | 3/4 | 1 7/8 | 63/64 | 5 1/2 | 2 3/4 | 2.622 | 0.969 | – | 7/8 |
| 1 15/16 | UELFL310-115D1W3 | | | | | | | | | | | | |

| Bearing number | Housing number | Mass of unit kg | lb |
|---|---|---|---|
| UEL305D1W3 | FL305D1 | 1.0 | |
| UEL305-013D1W3 | FL305D1 | | |
| UEL305-014D1W3 | FL305D1 | 2.2 | |
| UEL305-015D1W3 | FL305D1 | | |
| UEL305-100D1W3 | FL305D1 | | |
| UEL306D1W3 | FL306D1 | 1.6 | |
| UEL306-101D1W3 | FL306D1 | | |
| UEL306-102D1W3 | FL306D1 | 3.5 | |
| UEL306-103D1W3 | FL306D1 | | |
| UEL307D1W3 | FL307D1 | 1.8 | |
| UEL307-104D1W3 | FL307D1 | | |
| UEL307-105D1W3 | FL307D1 | | |
| UEL307-106D1W3 | FL307D1 | 4.0 | |
| UEL307-107D1W3 | FL307D1 | | |
| UEL308D1W3 | FL308D1 | 2.3 | |
| UEL308-108D1W3 | FL308D1 | 5.1 | |
| UEL308-109D1W3 | FL308D1 | | |
| UEL309D1W3 | FL309D1 | 3.1 | |
| UEL309-110D1W3 | FL309D1 | | |
| UEL309-111D1W3 | FL309D1 | 6.8 | |
| UEL309-112D1W3 | FL309D1 | | |
| UEL310D1W3 | FL310D1 | 4.2 | |
| UEL310-113D1W3 | FL310D1 | | |
| UEL310-114D1W3 | FL310D1 | 9.3 | |
| UEL310-115D1W3 | FL310D1 | | |

**Notes** (1) These numbers indicate relubricatable type. If maintenance free type is needed, please order without suffix "D1".
(2) Inner race face does not protrude from the housing face except UELFL305 and UELFL316.
**Remarks** Please refer to page **A21** for size of grease fitting.

## Rhombus flanged unit, cast housing
## Eccentric locking collar type



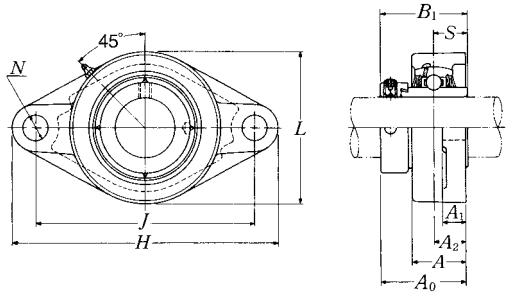

| Shaft dia. mm / inch | Unit number (1)(2) | Nominal dimensions mm inch: H | J | $A_2$ | $A_1$ | A | N | L | $A_0$ | $B_1$ | S | F min. | Bolt size mm / inch |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 55 | UELFL311D1W3 | 250 | 198 | 30 | 20 | 52 | 25 | 150 | 75.2 | 73 | 27.8 | – | M22 |
| 2 | UELFL311-200D1W3 | | | | | | | | | | | | |
| 2 1/16 | UELFL311-201D1W3 | 9 27/32 | 7 51/64 | 1 3/16 | 25/32 | 2 1/16 | 63/64 | 5 29/32 | 2 61/64 | 2.874 | 1.094 | – | 7/8 |
| 2 1/8 | UELFL311-202D1W3 | | | | | | | | | | | | |
| 2 3/16 | UELFL311-203D1W3 | | | | | | | | | | | | |
| 60 | UELFL312D1W3 | 270 | 212 | 33 | 22 | 56 | 31 | 160 | 81.45 | 79.4 | 30.95 | – | M27 |
| 2 1/4 | UELFL312-204D1W3 | | | | | | | | | | | | |
| 2 5/16 | UELFL312-205D1W3 | 10 5/8 | 8 11/32 | 1 19/64 | 7/8 | 2 7/32 | 1 7/32 | 6 5/16 | 3 13/64 | 3.126 | 1.219 | – | 1 |
| 2 3/8 | UELFL312-206D1W3 | | | | | | | | | | | | |
| 2 7/16 | UELFL312-207D1W3 | | | | | | | | | | | | |
| 65 | UELFL313D1W3 | 295 | 240 | 33 | 25 | 58 | 31 | 175 | 86.15 | 85.7 | 32.55 | 93 | M27 |
| 2 1/2 | UELFL313-208D1W3 | 11 5/8 | 9 29/64 | 1 19/64 | 31/32 | 2 9/32 | 1 7/32 | 6 7/8 | 3 25/64 | 3.374 | 1.281 | 3.661 | 1 |
| 2 9/16 | UELFL313-209D1W3 | | | | | | | | | | | | |
| 70 | UELFL314D1W3 | 315 | 250 | 36 | 28 | 61 | 35 | 185 | 93.95 | 92.1 | 34.15 | – | M30 |
| 2 5/8 | UELFL314-210D1W3 | | | | | | | | | | | | |
| 2 11/16 | UELFL314-211D1W3 | 12 13/32 | 9 27/32 | 1 27/64 | 1 3/32 | 2 13/32 | 1 3/8 | 7 9/32 | 3 45/64 | 3.626 | 1.344 | – | 1 1/8 |
| 2 3/4 | UELFL314-212D1W3 | | | | | | | | | | | | |
| 75 | UELFL315D1W3 | 320 | 260 | 39 | 30 | 66 | 35 | 195 | 101.7 | 100 | 37.3 | 106 | M30 |
| 2 13/16 | UELFL315-213D1W3 | | | | | | | | | | | | |
| 2 7/8 | UELFL315-214D1W3 | 12 19/32 | 10 15/64 | 1 17/32 | 1 3/16 | 2 19/32 | 1 3/8 | 7 11/16 | 4 | 3.937 | 1.469 | 4.173 | 1 1/8 |
| 2 15/16 | UELFL315-215D1W3 | | | | | | | | | | | | |
| 3 | UELFL315-300D1W3 | | | | | | | | | | | | |
| 80 | UELFL316D1W3 | 355 | 285 | 38 | 32 | 68 | 38 | 210 | 103.9 | 106.4 | 40.5 | 112 | M33 |
| 3 1/16 | UELFL316-301D1W3 | | | | | | | | | | | | |
| 3 1/8 | UELFL316-302D1W3 | 13 31/32 | 11 7/32 | 1 1/2 | 1 1/4 | 2 11/16 | 1 1/2 | 8 9/32 | 4 3/32 | 4.189 | 1.594 | 4.409 | 1 1/4 |
| 3 3/16 | UELFL316-303D1W3 | | | | | | | | | | | | |

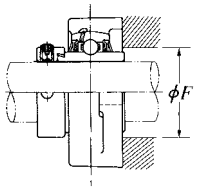
| Bearing number | Housing number | Mass of unit kg | lb |
|---|---|---|---|
| UEL311D1W3 | FL311D1 | 4.9 | |
| UEL311-200D1W3 | FL311D1 | | |
| UEL311-201D1W3 | FL311D1 | | |
| UEL311-202D1W3 | FL311D1 | | 11 |
| UEL311-203D1W3 | FL311D1 | | |
| UEL312D1W3 | FL312D1 | 6.1 | |
| UEL312-204D1W3 | FL312D1 | | |
| UEL312-205D1W3 | FL312D1 | | |
| UEL312-206D1W3 | FL312D1 | | 13 |
| UEL312-207D1W3 | FL312D1 | | |
| UEL313D1W3 | FL313D1 | 8.0 | |
| UEL313-208D1W3 | FL313D1 | | |
| UEL313-209D1W3 | FL313D1 | | 18 |
| UEL314D1W3 | FL314D1 | 9.2 | |
| UEL314-210D1W3 | FL314D1 | | |
| UEL314-211D1W3 | FL314D1 | | 20 |
| UEL314-212D1W3 | FL314D1 | | |
| UEL315D1W3 | FL315D1 | 10 | |
| UEL315-213D1W3 | FL315D1 | | |
| UEL315-214D1W3 | FL315D1 | | |
| UEL315-215D1W3 | FL315D1 | | 22 |
| UEL315-300D1W3 | FL315D1 | | |
| UEL316D1W3 | FL316D1 | 14 | |
| UEL316-301D1W3 | FL316D1 | | |
| UEL316-302D1W3 | FL316D1 | | 31 |
| UEL316-303D1W3 | FL316D1 | | |

**Notes** (1) These numbers indicate relubricatable type. If maintenance free type is needed, please order without suffix "D1".
(2) Inner race face does not protrude from the housing face except UELFL305 and UELFL316.

**Remarks** Please refer to page **A21** for size of grease fitting.

## Rhombus flanged unit, cast housing
## Eccentric locking collar type



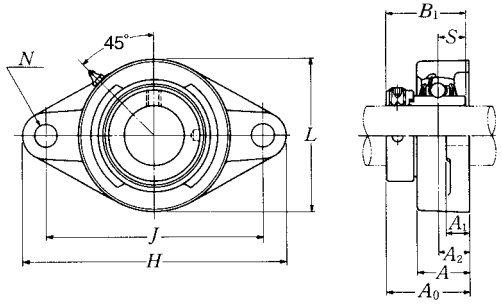

| Shaft dia. mm / inch | Unit number (1)(2) | Nominal dimensions mm inch: H | J | $A_2$ | $A_1$ | A | N | L | $A_0$ | $B_1$ | S | F min. | Bolt size mm / inch |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 85 | UELFL317D1W3 | 370 | 300 | 44 | 32 | 74 | 38 | 220 | 111.45 | 109.5 | 42.05 | 119 | M33 |
| 3 1/4 | UELFL317-304D1W3 | | | | | | | | | | | | |
| 3 5/16 | UELFL317-305D1W3 | 14 9/16 | 11 13/16 | 1 47/64 | 1 1/4 | 2 29/32 | 1 1/2 | 8 21/32 | 4 25/64 | 4.311 | 1.656 | 4.685 | 1 1/4 |
| 3 7/16 | UELFL317-306D1W3 | | | | | | | | | | | | |
| 90 | UELFL318D1W3 | 385 | 315 | 44 | 36 | 76 | 38 | 235 | 116.25 | 115.9 | 43.65 | 125 | M33 |
| 3 7/16 | UELFL318-307D1W3 | 15 5/32 | 12 13/32 | 1 47/64 | 1 13/32 | 3 | 1 1/2 | 9 1/4 | 4 37/64 | 4.563 | 1.719 | 4.921 | 1 1/4 |
| 3 1/2 | UELFL318-308D1W3 | | | | | | | | | | | | |
| 95 | UELFL319D1W3 | 405 | 330 | 59 | 40 | 94 | 41 | 250 | 142.4 | 122.3 | 38.9 | – | M36 |
| 3 5/8 | UELFL319-310D1W3 | | | | | | | | | | | | |
| 3 11/16 | UELFL319-311D1W3 | 15 15/16 | 12 63/64 | 2 21/64 | 1 9/16 | 3 11/16 | 1 39/64 | 9 27/32 | 5 39/64 | 4.815 | 1.531 | – | 1 3/8 |
| 3 3/4 | UELFL319-312D1W3 | | | | | | | | | | | | |
| 100 | UELFL320D1W3 | 440 | 360 | 59 | 40 | 94 | 44 | 270 | 137.6 | 128.6 | 50 | – | M39 |
| 3 13/16 | UELFL320-313D1W3 | | | | | | | | | | | | |
| 3 7/8 | UELFL320-314D1W3 | 17 5/16 | 14 11/64 | 2 21/64 | 1 9/16 | 3 11/16 | 1 47/64 | 10 5/8 | 5 27/64 | 5.063 | 1.969 | – | 1 1/2 |
| 3 15/16 | UELFL320-315D1W3 | | | | | | | | | | | | |
| 4 | UELFL320-400D1W3 | | | | | | | | | | | | |
| 105 | UELFL321D1W3 | 440 | 360 | 59 | 40 | 94 | 44 | 270 | 150.3 | 139.7 | 48.4 | – | M39 |
| 110 | UELFL322D1W3 | 470 | 390 | 60 | 42 | 96 | 44 | 300 | 152.1 | 141.3 | 49.2 | – | M39 |

| Bearing number | Housing number | Mass of unit kg / lb |
|---|---|---|
| UEL317D1W3 | FL317D1 | 16 |
| UEL317-304D1W3 | FL317D1 | |
| UEL317-305D1W3 | FL317D1 | 35 |
| UEL317-306D1W3 | FL317D1 | |
| UEL318D1W3 | FL318D1 | 19 |
| UEL318-307D1W3 | FL318D1 | |
| UEL318-308D1W3 | FL318D1 | 42 |
| UEL319D1W3 | FL319D1 | 24 |
| UEL319-310D1W3 | FL319D1 | |
| UEL319-311D1W3 | FL319D1 | 53 |
| UEL319-312D1W3 | FL319D1 | |
| UEL320D1W3 | FL320D1 | 28 |
| UEL320-313D1W3 | FL320D1 | |
| UEL320-314D1W3 | FL320D1 | |
| UEL320-315D1W3 | FL320D1 | 62 |
| UEL320-400D1W3 | FL320D1 | |
| UEL321D1W3 | FL321D1 | 30 |
| UEL322D1W3 | FL322D1 | 36 |

**Notes** (1) These numbers indicate relubricatable type. If maintenance free type is needed, please order without suffix "D1".
(2) Inner race face does not protrude from the housing face except UELFL305 and UELFL316.

**Remarks** Please refer to page **A21** for size of grease fitting.

## Rhombus flanged unit, cast housing
## Eccentric locking collar type

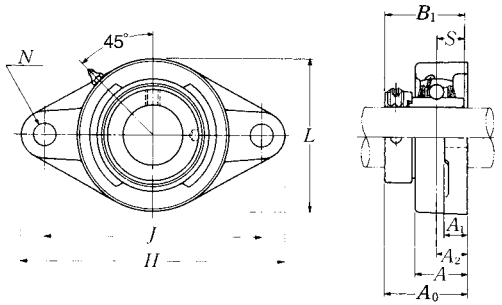



| Shaft dia. mm / inch | Unit number (1) | Nominal dimensions mm / inch H | J | A2 | A1 | A | N | L | A0 | B1 | S | Bolt size mm / inch |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 20 | UELFLU204D1W3 | 113 | 90 | 19 | 15 | 29.5 | 11.5 | 61 | 45.6 | 43.7 | 17.1 | M10 |
| 3/4 | UELFLU204-012D1W3 | 4 7/16 | 3 35/64 | 3/4 | 19/32 | 1 5/32 | 29/64 | 2 13/32 | 1 51/64 | 1.720 | 0.673 | 5/16 |
| 25 | UELFLU205D1W3 | 125 | 99 | 19 | 15 | 30 | 11.5 | 70 | 45.95 | 44.4 | 17.45 | M10 |
| 13/16 | UELFLU205-013D1W3 | | | | | | | | | | | |
| 7/8 | UELFLU205-014D1W3 | | | | | | | | | | | |
| 15/16 | UELFLU205-015D1W3 | 4 29/32 | 3 57/64 | 3/4 | 19/32 | 1 3/16 | 29/64 | 2 3/4 | 1 13/16 | 1.748 | 0.687 | 3/8 |
| 1 | UELFLU205-100D1W3 | | | | | | | | | | | |
| 30 | UELFLU206D1W3 | 142 | 116.5 | 20 | 16 | 33 | 11.5 | 83 | 50.15 | 48.4 | 18.25 | M10 |
| 1 1/16 | UELFLU206-101D1W3 | | | | | | | | | | | |
| 1 1/8 | UELFLU206-102D1W3 | | | | | | | | | | | |
| 1 3/16 | UELFLU206-103D1W3 | 5 19/32 | 4 19/32 | 25/32 | 5/8 | 1 5/16 | 29/64 | 3 9/32 | 1 31/32 | 1.906 | 0.719 | 3/8 |
| 1 1/4 | UELFLU206-104D1W3 | | | | | | | | | | | |
| 35 | UELFLU207D1W3 | 156 | 130 | 21 | 17 | 36 | 14 | 96 | 53.3 | 51.1 | 18.8 | M12 |
| 1 1/4 | UELFLU207-104D1W3 | | | | | | | | | | | |
| 1 5/16 | UELFLU207-105D1W3 | | | | | | | | | | | |
| 1 3/8 | UELFLU207-106D1W3 | 6 5/32 | 5 1/8 | 53/64 | 21/32 | 1 13/32 | 35/64 | 3 25/32 | 2 3/32 | 2.012 | 0.740 | 1/2 |
| 1 7/16 | UELFLU207-107D1W3 | | | | | | | | | | | |
| 40 | UELFLU208D1W3 | 172 | 143.5 | 24 | 17 | 39 | 14 | 105 | 58.9 | 56.3 | 21.4 | M12 |
| 1 1/2 | UELFLU208-108D1W3 | 6 25/32 | 5 21/32 | 15/16 | 21/32 | 1 17/32 | 35/64 | 4 1/8 | 2 5/16 | 2.217 | 0.843 | 1/2 |
| 1 9/16 | UELFLU208-109D1W3 | | | | | | | | | | | |
| 45 | UELFLU209D1W3 | 180 | 148.5 | 24 | 18 | 40 | 16 | 111 | 58.9 | 56.3 | 21.4 | M14 |
| 1 5/8 | UELFLU209-110D1W3 | | | | | | | | | | | |
| 1 11/16 | UELFLU209-111D1W3 | 7 3/32 | 5 27/32 | 15/16 | 23/32 | 1 9/16 | 5/8 | 4 3/8 | 2 5/16 | 2.217 | 0.843 | 1/2 |
| 1 3/4 | UELFLU209-112D1W3 | | | | | | | | | | | |
| 50 | UELFLU210D1W3 | 190 | 157 | 28 | 20 | 46 | 18 | 116 | 66.1 | 62.7 | 24.6 | M16 |
| 1 13/16 | UELFLU210-113D1W3 | | | | | | | | | | | |
| 1 7/8 | UELFLU210-114D1W3 | | | | | | | | | | | |
| 1 15/16 | UELFLU210-115D1W3 | 7 15/32 | 6 3/16 | 1 7/64 | 25/32 | 1 13/16 | 45/64 | 4 9/16 | 2 39/64 | 2.469 | 0.969 | 5/8 |
| 2 | UELFLU210-200D1W3 | | | | | | | | | | | |

**Note** (1) These numbers indicate relubricatable type. If maintenance free type is needed, please order without suffix "D1".
**Remarks** Please refer to page **A21** for size of grease fitting.

| Bearing number | Housing number | Mass of unit kg / lb |
|---|---|---|
| UEL204D1W3 | FLU204D1 | 0.6 |
| UEL204-012D1W3 | FLU204D1 | 1.3 |
| UEL205D1W3 | FLU205D1 | 0.7 |
| UEL205-013D1W3 | FLU205D1 | |
| UEL205-014D1W3 | FLU205D1 | |
| UEL205-015D1W3 | FLU205D1 | 1.5 |
| UEL205-100D1W3 | FLU205D1 | |
| UEL206D1W3 | FLU206D1 | 1.1 |
| UEL206-101D1W3 | FLU206D1 | |
| UEL206-102D1W3 | FLU206D1 | |
| UEL206-103D1W3 | FLU206D1 | 2.4 |
| UEL206-104D1W3 | FLU206D1 | |
| UEL207D1W3 | FLU207D1 | 1.5 |
| UEL207-104D1W3 | FLU207D1 | |
| UEL207-105D1W3 | FLU207D1 | |
| UEL207-106D1W3 | FLU207D1 | 3.3 |
| UEL207-107D1W3 | FLU207D1 | |
| UEL208D1W3 | FLU208D1 | 1.9 |
| UEL208-108D1W3 | FLU208D1 | 4.2 |
| UEL208-109D1W3 | FLU208D1 | |
| UEL209D1W3 | FLU209D1 | 2.3 |
| UEL209-110D1W3 | FLU209D1 | |
| UEL209-111D1W3 | FLU209D1 | 5.1 |
| UEL209-112D1W3 | FLU209D1 | |
| UEL210D1W3 | FLU210D1 | 2.9 |
| UEL210-113D1W3 | FLU210D1 | |
| UEL210-114D1W3 | FLU210D1 | |
| UEL210-115D1W3 | FLU210D1 | 6.4 |
| UEL210-200D1W3 | FLU210D1 | |

## Rhombus flanged unit, cast housing
## Eccentric locking collar type

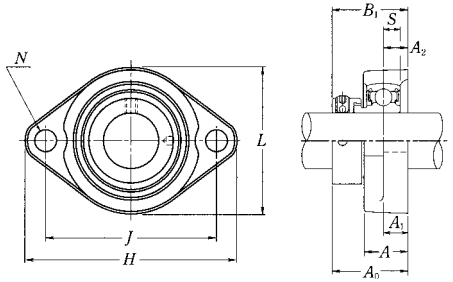



| Shaft dia. mm / inch | Unit number (1) | Nominal dimensions mm / inch H | J | A2 | A1 | A | N | L | A0 | B1 | S | Bolt size mm / inch |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 55 | **UELFLU211D1W3** | 217 | 184 | 31 | 21 | 49 | 18 | 134 | 74.65 | 71.4 | 27.75 | M16 |
| 2 | **UELFLU211-200D1W3** | | | | | | | | | | | |
| 2 1/16 | **UELFLU211-201D1W3** | | | | | | | | | | | |
| 2 1/8 | **UELFLU211-202D1W3** | 8 17/32 | 7 1/4 | 1 7/32 | 13/16 | 1 15/16 | 45/64 | 5 9/32 | 2 15/16 | 2.811 | 1.093 | 5/8 |
| 2 3/16 | **UELFLU211-203D1W3** | | | | | | | | | | | |
| 60 | **UELFLU212D1W3** | 235 | 202 | 34 | 21 | 53 | 18 | 138 | 80.85 | 77.8 | 30.95 | M16 |
| 2 1/4 | **UELFLU212-204D1W3** | | | | | | | | | | | |
| 2 5/16 | **UELFLU212-205D1W3** | | | | | | | | | | | |
| 2 3/8 | **UELFLU212-206D1W3** | 9 1/4 | 7 61/64 | 1 11/32 | 13/16 | 2 3/32 | 45/64 | 5 7/16 | 3 3/16 | 3.063 | 1.219 | 5/8 |
| 2 7/16 | **UELFLU212-207D1W3** | | | | | | | | | | | |
| 65 | **UELFLU213D1W3** | 248 | 210 | 38 | 22 | 59 | 20.5 | 152 | 89.55 | 85.7 | 34.15 | M18 |
| 2 1/2 | **UELFLU213-208D1W3** | | | | | | | | | | | |
| 2 9/16 | **UELFLU213-209D1W3** | 9 3/4 | 8 17/64 | 1 1/2 | 7/8 | 2 5/16 | 13/16 | 5 31/32 | 3 17/32 | 3.374 | 1.344 | 5/8 |
| 70 | **UELFLU214D1W3** | 257 | 216 | 38 | 22 | 62 | 20.5 | 159 | 89.55 | 85.7 | 34.15 | M18 |
| 2 5/8 | **UELFLU214-210D1W3** | | | | | | | | | | | |
| 2 11/16 | **UELFLU214-211D1W3** | 10 1/8 | 8 1/2 | 1 1/2 | 7/8 | 2 7/16 | 13/16 | 6 1/4 | 3 17/32 | 3.374 | 1.344 | 5/8 |
| 2 3/4 | **UELFLU214-212D1W3** | | | | | | | | | | | |
| 75 | **UELFLU215D1W3** | 266 | 225 | 41 | 22 | 65 | 20.5 | 165 | 95.7 | 92 | 37.3 | M18 |
| 2 13/16 | **UELFLU215-213D1W3** | | | | | | | | | | | |
| 2 7/8 | **UELFLU215-214D1W3** | | | | | | | | | | | |
| 2 15/16 | **UELFLU215-215D1W3** | 10 15/32 | 8 55/64 | 1 39/64 | 7/8 | 2 9/16 | 13/16 | 6 1/2 | 3 49/64 | 3.622 | 1.469 | 5/8 |
| 3 | **UELFLU215-300D1W3** | | | | | | | | | | | |

| Bearing number | Housing number | Mass of unit kg / lb |
|---|---|---|
| UEL211D1W3 | FLU211D1 | 3.6 |
| UEL211-200D1W3 | FLU211D1 | |
| UEL211-201D1W3 | FLU211D1 | |
| UEL211-202D1W3 | FLU211D1 | 7.9 |
| UEL211-203D1W3 | FLU211D1 | |
| UEL212D1W3 | FLU212D1 | 4.0 |
| UEL212-204D1W3 | FLU212D1 | |
| UEL212-205D1W3 | FLU212D1 | |
| UEL212-206D1W3 | FLU212D1 | 8.8 |
| UEL212-207D1W3 | FLU212D1 | |
| UEL213D1W3 | FLU213D1 | 5.6 |
| UEL213-208D1W3 | FLU213D1 | |
| UEL213-209D1W3 | FLU213D1 | 12 |
| UEL214D1W3 | FLU214D1 | 6.3 |
| UEL214-210D1W3 | FLU214D1 | |
| UEL214-211D1W3 | FLU214D1 | 14 |
| UEL214-212D1W3 | FLU214D1 | |
| UEL215D1W3 | FLU215D1 | 6.8 |
| UEL215-213D1W3 | FLU215D1 | |
| UEL215-214D1W3 | FLU215D1 | |
| UEL215-215D1W3 | FLU215D1 | 15 |
| UEL215-300D1W3 | FLU215D1 | |

**Note** (1) These numbers indicate relubricatable type. If maintenance free type is needed, please order without suffix "D1".
**Remarks** Please refer to page **A21** for size of grease fitting.

## Light rhombus flanged unit, cast housing
## Eccentric locking collar type

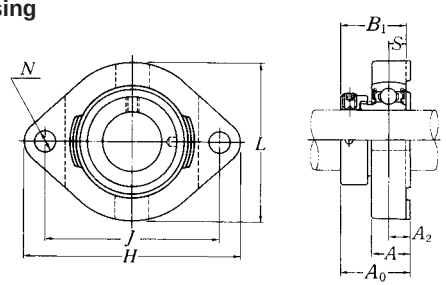



| Shaft dia. mm / inch | Unit number (1) | Nominal dimensions mm / inch H | J | $A_2$ | $A_1$ | A | N | L | $A_0$ | $B_1$ | S | Bolt size mm / inch |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 12 | AELFB201W3 | 81 | 63.5 | 9.5 | 9.5 | 18 | 7 | 56 | 31.6 | 28.6 | 6.5 | M6 |
| 1/2 | AELFB201-008W3 | 3 3/16 | 2 1/2 | 3/8 | 3/8 | 23/32 | 9/32 | 2 7/32 | 1 1/4 | 1.126 | 0.256 | 1/4 |
| 15 | AELFB202W3 | 81 | 63.5 | 9.5 | 9.5 | 18 | 7 | 56 | 31.6 | 28.6 | 6.5 | M6 |
| 9/16 | AELFB202-009W3 | | | | | | | | | | | |
| 5/8 | AELFB202-010W3 | 3 3/16 | 2 1/2 | 3/8 | 3/8 | 23/32 | 9/32 | 2 7/32 | 1 1/4 | 1.126 | 0.256 | 1/4 |
| 17 | AELFB203W3 | 81 | 63.5 | 9.5 | 9.5 | 18 | 7 | 56 | 31.6 | 28.6 | 6.5 | M6 |
| 1/2 | AELFB203-011W3 | 3 3/16 | 2 1/2 | 3/8 | 3/8 | 23/32 | 9/32 | 2 7/32 | 1 1/4 | 1.126 | 0.256 | 1/4 |
| 20 | AELFB204W3 | 90 | 71.5 | 11 | 11 | 20 | 10 | 61 | 34.5 | 31 | 7.5 | M8 |
| 3/4 | AELFB204-012W3 | 3 17/32 | 2 13/16 | 7/16 | 7/16 | 25/32 | 25/64 | 2 13/32 | 1 23/64 | 1.220 | 0.295 | 5/16 |
| 25 | AELFB205W3 | 95 | 76 | 11 | 11 | 20 | 10 | 64 | 34.5 | 31 | 7.5 | M8 |
| 13/16 | AELFB205-013W3 | | | | | | | | | | | |
| 7/8 | AELFB205-014W3 | | | | | | | | | | | |
| 15/16 | AELFB205-015W3 | 3 3/4 | 2 63/64 | 7/16 | 7/16 | 25/32 | 25/64 | 2 17/32 | 1 23/64 | 1.220 | 0.295 | 5/16 |
| 1 | AELFB205-100W3 | | | | | | | | | | | |
| 30 | AELFB206W3 | 113 | 90.5 | 12 | 12 | 22.5 | 12 | 76 | 38.7 | 35.7 | 9 | M10 |
| 1 1/16 | AELFB206-101W3 | | | | | | | | | | | |
| 1 1/8 | AELFB206-102W3 | | | | | | | | | | | |
| 1 3/16 | AELFB206-103W3 | 4 7/16 | 3 9/16 | 15/32 | 15/32 | 7/8 | 15/32 | 3 | 1 17/32 | 1.406 | 5415 | 3/8 |
| 1 1/4 | AELFB206-104W3 | | | | | | | | | | | |
| 35 | AELFB207W3 | 122 | 100 | 11 | 13 | 24 | 12 | 89 | 40.4 | 38.9 | 9.5 | M10 |
| 1 1/4 | AELFB207-104W3 | | | | | | | | | | | |
| 1 5/16 | AELFB207-105W3 | | | | | | | | | | | |
| 1 3/8 | AELFB207-106W3 | 4 13/16 | 3 15/16 | 7/16 | 1/2 | 15/16 | 15/32 | 3 1/2 | 1 19/32 | 1.531 | 0.374 | 3/8 |
| 1 7/16 | AELFB207-107W3 | | | | | | | | | | | |

**Note** (1) If relubricatable type is needed, please order with suffix "D1".

| Bearing number | Housing number | Mass of unit kg / lb |
|---|---|---|
| AEL201W3 | FB201 | 0.3 |
| AEL201-008W3 | FB201 | 0.7 |
| AEL202W3 | FB201 | 0.3 |
| AEL202-009W3 | FB201 | 0.7 |
| AEL202-010W3 | FB201 | |
| AEL203W3 | FB201 | 0.3 |
| AEL203-011W3 | FB201 | 0.7 |
| AEL204W3 | FB204 | 0.4 |
| AELB204-012W3 | FB204 | 0.9 |
| AEL205W3 | FB205 | 0.4 |
| AEL205-013W3 | FB205 | 0.9 |
| AEL205-014W3 | FB205 | |
| AEL205-015W3 | FB205 | |
| AEL205-100W3 | FB205 | |
| AEL206W3 | FB206 | 0.6 |
| AEL206-101W3 | FB206 | 1.3 |
| AEL206-102W3 | FB206 | |
| AEL206-103W3 | FB206 | |
| AEL206-104W3 | FB206 | |
| AEL207W3 | FB207 | 0.9 |
| AEL207-104W3 | FB207 | 2.0 |
| AEL207-105W3 | FB207 | |
| AEL207-106W3 | FB207 | |
| AEL207-107W3 | FB207 | |

## Light rhombus flanged unit, cast housing
## Eccentric locking collar type

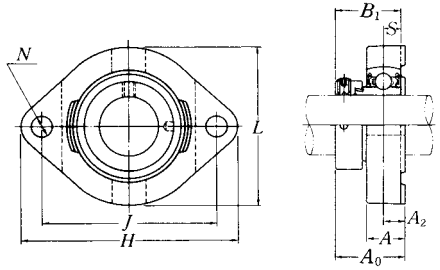



| Shaft dia. mm / inch | Unit number (1) | Nominal dimensions mm / inch H | J | $A_2$ | A | N | L | $A_0$ | $B_1$ | S | Bolt size mm / inch |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 12 | AELFD201W3 | 81 | 63 | 8.5 | 15 | 7 | 59 | 30.6 | 28.6 | 6.5 | M6 |
| 1/2 | AELFD201-008W3 | 3 3/16 | 2 31/64 | 21/64 | 19/32 | 9/32 | 2 5/16 | 1 13/64 | 1.126 | 0.256 | 1/4 |
| 15 | AELFD202W3 | 81 | 63 | 8.5 | 15 | 7 | 59 | 30.6 | 28.6 | 6.5 | M6 |
| 9/16 | AELFD202-009W3 | | | | | | | | | | |
| 5/8 | AELFD202-010W3 | 3 3/16 | 2 31/64 | 21/64 | 19/32 | 9/32 | 2 5/16 | 1 13/64 | 1.126 | 0.256 | 1/4 |
| 17 | AELFD203W3 | 81 | 63 | 8.5 | 15 | 7 | 59 | 30.6 | 28.6 | 6.5 | M6 |
| 11/16 | AELFD203-011W3 | 3 3/16 | 2 31/64 | 21/64 | 19/32 | 9/32 | 2 5/16 | 1 13/64 | 1.126 | 0.256 | 1/4 |
| 20 | AELFD204W3 | 90 | 71 | 9.5 | 17 | 10 | 67 | 33 | 31 | 7.5 | M8 |
| 3/4 | AELFD204-012W3 | 3 17/32 | 2 51/64 | 3/8 | 21/32 | 25/64 | 2 5/8 | 1 19/64 | 1.220 | 0.295 | 5/16 |
| 25 | AELFD205W3 | 95 | 76 | 9.5 | 17 | 10 | 71 | 33 | 31 | 7.5 | M8 |
| 13/16 | AELFD205-013W3 | | | | | | | | | | |
| 7/8 | AELFD205-014W3 | | | | | | | | | | |
| 15/16 | AELFD205-015W3 | 3 3/4 | 2 63/64 | 3/8 | 21/32 | 25/64 | 2 25/32 | 1 19/64 | 1.220 | 0.295 | 5/16 |
| 1 | AELFD205-100W3 | | | | | | | | | | |
| 30 | AELFD206W3 | 113 | 90 | 12 | 21 | 12 | 84 | 38.7 | 35.7 | 9 | M10 |
| 1 1/16 | AELFD206-101W3 | | | | | | | | | | |
| 1 1/8 | AELFD206-102W3 | | | | | | | | | | |
| 1 3/16 | AELFD206-103W3 | 4 7/16 | 3 35/64 | 15/32 | 13/16 | 15/32 | 3 5/16 | 1 17/32 | 1.406 | 0.354 | 3/8 |
| 1 1/4 | AELFD206-104W3 | | | | | | | | | | |
| 35 | AELFD207W3 | 125 | 100 | 12.5 | 22 | 12 | 94 | 41.9 | 38.9 | 9.5 | M10 |
| 1 1/4 | AELFD207-104W3 | | | | | | | | | | |
| 1 5/16 | AELFD207-105W3 | | | | | | | | | | |
| 1 3/8 | AELFD207-106W3 | 4 29/32 | 3 15/16 | 31/64 | 7/8 | 15/32 | 3 11/16 | 1 21/32 | 1.531 | 0.374 | 3/8 |
| 1 7/16 | AELFD207-107W3 | | | | | | | | | | |
| 40 | AELFD208W3 | 148 | 119 | 14.5 | 25 | 13.5 | 104 | 47.2 | 43.7 | 11 | M12 |
| 1 1/2 | AELFD208-108W3 | | | | | | | | | | |
| 1 9/16 | AELFD208-109W3 | 5 13/16 | 4 11/16 | 37/64 | 31/32 | 17/32 | 4 3/32 | 1 27/32 | 1.720 | 0.433 | 7/16 |

**Note** (1) If relubricatable type is needed, please order with sufix "A-" "D1". Example: A-AELFD201D1W3

| Bearing number | Housing number | Mass of unit kg / lb |
|---|---|---|
| AEL201W3 | FD201 | 0.3 |
| AEL201-008W3 | FD201 | 0.7 |
| AEL202W3 | FD201 | 0.3 |
| AEL202-009W3 | FD201 | |
| AEL202-010W3 | FD201 | 0.7 |
| AEL203W3 | FD201 | 0.3 |
| AEL203-011W3 | FD201 | 0.7 |
| AEL204W3 | FD204 | 0.4 |
| AEL204-012W3 | FD204 | 0.9 |
| AEL205W3 | FD205 | 0.5 |
| AEL205-013W3 | FD205 | |
| AEL205-014W3 | FD205 | |
| AEL205-015W3 | FD205 | 1.1 |
| AEL205-100W3 | FD205 | |
| AEL206W3 | FD206 | 0.8 |
| AEL206-101W3 | FD206 | |
| AEL206-102W3 | FD206 | |
| AEL206-103W3 | FD206 | 1.8 |
| AEL206-104W3 | FD206 | |
| AEL207W3 | FD207 | 1.1 |
| AEL207-104W3 | FD207 | |
| AEL207-105W3 | FD207 | |
| AEL207-106W3 | FD207 | 2.4 |
| AEL207-107W3 | FD207 | |
| AEL208W3 | FD208 | 1.5 |
| AEL208-108W3 | FD208 | |
| AEL208-109W3 | FD208 | 3.3 |

## Light rhombus flanged unit, cast housing
## Eccentric locking collar type

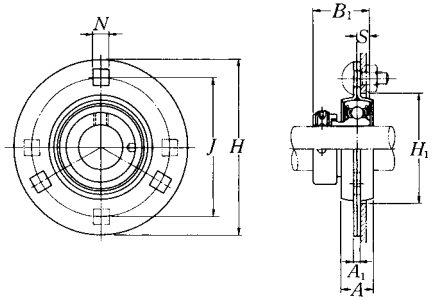



| Shaft dia. mm / inch | Unit number (1) | Nominal dimensions mm / inch H | J | $A_2$ | A | N | L | $A_0$ | $B_1$ | S | Bolt size mm / inch |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 12 | JELFD201W3 | 81 | 63 | 8.5 | 15 | 7 | 59 | 30.6 | 28.6 | 6.5 | M6 |
| 1/2 | JELFD201-008W3 | 3 3/16 | 2 31/64 | 21/64 | 19/32 | 9/32 | 2 5/16 | 1 13/64 | 1.126 | 0.256 | 1/4 |
| 15 | JELFD202W3 | 81 | 63 | 8.5 | 15 | 7 | 59 | 30.6 | 28.6 | 6.5 | M6 |
| 9/16 | JELFD202-009W3 | | | | | | | | | | |
| 5/8 | JELFD202-010W3 | 3 3/16 | 2 31/64 | 21/64 | 19/32 | 9/32 | 2 5/16 | 1 13/64 | 1.126 | 0.256 | 1/4 |
| 17 | JELFD203W3 | 81 | 63 | 8.5 | 15 | 7 | 59 | 30.6 | 28.6 | 6.5 | M6 |
| 11/16 | JELFD203-011W3 | 3 3/16 | 2 31/64 | 21/64 | 19/32 | 9/32 | 2 5/16 | 1 13/64 | 1.126 | 0.256 | 1/4 |
| 20 | JELFD204W3 | 90 | 71 | 9.5 | 17 | 10 | 67 | 33 | 31 | 7.5 | M8 |
| 3/4 | JELFD204-012W3 | 3 17/32 | 2 51/64 | 3/8 | 21/32 | 25/64 | 2 5/8 | 1 19/64 | 1.220 | 0.295 | 5/16 |
| 25 | JELFD205W3 | 95 | 76 | 9.5 | 17 | 10 | 71 | 33 | 31 | 7.5 | M8 |
| 13/16 | JELFD205-013W3 | | | | | | | | | | |
| 7/8 | JELFD205-014W3 | | | | | | | | | | |
| 15/16 | JELFD205-015W3 | 3 3/4 | 2 63/64 | 3/8 | 21/32 | 25/64 | 2 25/32 | 1 19/64 | 1.220 | 0.295 | 5/16 |
| 1 | JELFD205-100W3 | | | | | | | | | | |
| 30 | JELFD206W3 | 113 | 90 | 12 | 21 | 12 | 84 | 38.7 | 35.7 | 9 | M10 |
| 1 1/16 | JELFD206-101W3 | | | | | | | | | | |
| 1 1/8 | JELFD206-102W3 | | | | | | | | | | |
| 1 3/16 | JELFD206-103W3 | 4 7/16 | 3 35/64 | 15/32 | 13/16 | 15/32 | 3 5/16 | 1 17/32 | 1.406 | 0.354 | 3/8 |
| 1 1/4 | JELFD206-104W3 | | | | | | | | | | |
| 35 | JELFD207W3 | 125 | 100 | 12.5 | 22 | 12 | 94 | 41.9 | 38.9 | 9.5 | M10 |
| 1 1/4 | JELFD207-104W3 | | | | | | | | | | |
| 1 5/16 | JELFD207-105W3 | | | | | | | | | | |
| 1 3/8 | JELFD207-106W3 | 4 29/32 | 3 15/16 | 31/64 | 7/8 | 15/32 | 3 11/16 | 1 21/32 | 1.531 | 0.374 | 3/8 |
| 1 7/16 | JELFD207-107W3 | | | | | | | | | | |
| 40 | JELFD208W3 | 148 | 119 | 14.5 | 25 | 13.5 | 104 | 47.2 | 43.7 | 11 | M12 |
| 1 1/2 | JELFD208-108W3 | 5 13/16 | 4 11/16 | 37/64 | 31/32 | 17/32 | 4 3/32 | 1 27/32 | 1.720 | 0.433 | 7/16 |
| 1 9/16 | JELFD208-109W3 | | | | | | | | | | |

**Note** (1) If relubricatable type is needed, please order with sufix "A-" "D1". Example:A-JELFD201D1W3

| Bearing number | Housing number | Mass of unit kg / lb |
|---|---|---|
| JEL201W3 | FD201 | 0.3 |
| JEL201-008W3 | FD201 | 0.7 |
| JEL202W3 | FD201 | 0.3 |
| JEL202-009W3 | FD201 | 0.7 |
| JEL202-010W3 | FD201 | |
| JEL203W3 | FD201 | 0.3 |
| JEL203-011W3 | FD201 | 0.7 |
| AEL204W3 | FD204 | 0.4 |
| JEL204-012W3 | FD204 | 0.9 |
| JEL205W3 | FD205 | 0.5 |
| JEL205-013W3 | FD205 | 1.1 |
| JEL205-014W3 | FD205 | |
| JEL205-015W3 | FD205 | |
| JEL205-100W3 | FD205 | |
| JEL206W3 | FD206 | 0.8 |
| JEL206-101W3 | FD206 | 1.8 |
| JEL206-102W3 | FD206 | |
| JEL206-103W3 | FD206 | |
| JEL206-104W3 | FD206 | |
| JEL207W3 | FD207 | 1.1 |
| JEL207-104W3 | FD207 | 2.4 |
| JEL207-105W3 | FD207 | |
| JEL207-106W3 | FD207 | |
| JEL207-107W3 | FD207 | |
| JEL208W3 | FD208 | 1.5 |
| JEL208-108W3 | FD208 | 3.3 |
| JEL208-109W3 | FD208 | |

## Round flanged unit, pressed steel housing
## Eccentric locking collar type

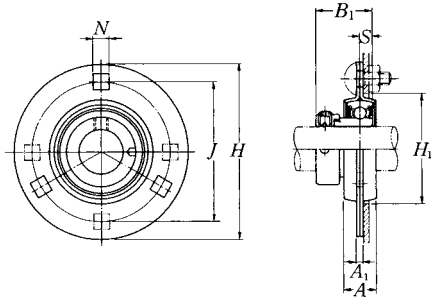



| Shaft dia. | Unit number | Nominal dimensions | | | | | | | | Bolt size |
|---|---|---|---|---|---|---|---|---|---|---|
| | | mm inch | | | | | | | | |
| mm inch | | $H$ | $J$ | $A_1$ | $N$(1) | $A$ | $B_1$ | $S$ | $H_1$ min. | mm inch |
| 12 | AELPF201W3 | 81 | 63.5 | 4 | 7.1 | 14 | 28.6 | 6.5 | 49 | M6 |
| 1/2 | AELPF201-008W3 | 3 3/16 | 2 1/2 | 0.157 | 9/32 | 9/16 | 1.126 | 0.256 | 1 15/16 | 1/4 |
| 15 | AELPF202W3 | 81 | 63.5 | 4 | 7.1 | 14 | 28.6 | 6.5 | 49 | M6 |
| 9/16 | AELPF202-009W3 | | | | | | | | | |
| 5/8 | AELPF202-010W3 | 3 3/16 | 2 1/2 | 0.157 | 9/32 | 9/16 | 1.126 | 0.256 | 1 15/16 | 1/4 |
| 17 | AELPF203W3 | 81 | 63.5 | 4 | 7.1 | 14 | 28.6 | 6.5 | 49 | M6 |
| 11/16 | AELPF203-011W3 | 3 3/16 | 2 1/2 | 0.157 | 9/32 | 9/16 | 1.126 | 0.256 | 1 15/16 | 1/4 |
| 20 | AELPF204W3 | 90 | 71.5 | 4 | 9 | 16 | 31 | 7.5 | 56 | M8 |
| 3/4 | AELPF204-012W3 | 3 35/64 | 2 13/16 | 0.157 | 23/64 | 5/8 | 1.220 | 0.295 | 2 7/32 | 5/16 |
| 25 | AELPF205W3 | 95 | 76 | 4 | 9 | 18 | 31 | 7.5 | 60 | M8 |
| 13/16 | AELPF205-013W3 | | | | | | | | | |
| 7/8 | AELPF205-014W3 | | | | | | | | | |
| 15/16 | AELPF205-015W3 | 3 3/4 | 2 63/64 | 0.157 | 23/64 | 23/32 | 1.220 | 0.295 | 2 3/8 | 5/16 |
| 1 | AELPF205-100W3 | | | | | | | | | |
| 30 | AELPF206W3 | 113 | 90.5 | 5.2 | 11 | 18 | 35.7 | 9 | 71 | M10 |
| 1 1/16 | AELPF206-101W3 | | | | | | | | | |
| 1 1/8 | AELPF206-102W3 | | | | | | | | | |
| 1 3/16 | AELPF206-103W3 | 4 7/16 | 3 9/16 | 0.205 | 7/16 | 23/32 | 1.406 | 0.354 | 2 13/16 | 3/8 |
| 1 1/4 | AELPF206-104W3 | | | | | | | | | |
| 35 | AELPF207W3 | 122 | 100 | 5.2 | 11 | 20 | 38.9 | 9.5 | 81 | M10 |
| 1 1/4 | AELPF207-104W3 | | | | | | | | | |
| 1 5/16 | AELPF207-105W3 | | | | | | | | | |
| 1 3/8 | AELPF207-106W3 | 4 13/16 | 3 15/16 | 0.205 | 7/16 | 25/32 | 1.531 | 0.374 | 3 3/16 | 3/8 |
| 1 7/16 | AELPF207-107W3 | | | | | | | | | |
| 40 | AELPF208W3 | 148 | 119 | 6.8 | 13.5 | 21 | 43.7 | 11 | 91 | M12 |
| 1 1/2 | AELPF208-108W3 | | | | | | | | | |
| 1 9/16 | AELPF208-109W3 | 5 13/16 | 4 11/16 | 0.268 | 17/32 | 13/16 | 1.720 | 0.433 | 3 19/32 | 1/2 |

**Notes** (1) AELPF208 has four bolt holes.
(2) The permissible load only applies in applications where the load is stable and the speed is 2400 min$^{-1}$ or less.

| Max. load (2) recommended | | Bearing number | Housing number | Mass of unit |
|---|---|---|---|---|
| N lbf | | | | |
| radial | axial | | | kg lb |
| 2 700 | 1 350 | AEL201W3 | PF203 | 0.3 |
| 600 | 300 | AEL201-008W3 | PF203 | 0.7 |
| 2 700 | 1 350 | AEL202W3 | PF203 | 0.3 |
| 600 | 300 | AEL202-009W3 | PF203 | 0.7 |
| | | AEL202-010W3 | PF203 | |
| 2 700 | 1 350 | AEL203W3 | PF203 | 0.3 |
| 600 | 300 | AEL203-011W3 | PF203 | 0.7 |
| 3 000 | 1 500 | AEL204W3 | PF204 | 0.3 |
| 660 | 330 | AEL204-012W3 | PF204 | 0.7 |
| 4 000 | 2 000 | AEL205W3 | PF205 | 0.4 |
| | | AEL205-013W3 | PF205 | |
| 880 | 440 | AEL205-014W3 | PF205 | 0.9 |
| | | AEL205-015W3 | PF205 | |
| | | AEL205-100W3 | PF205 | |
| 5 000 | 2 500 | AEL206W3 | PF206 | 0.6 |
| | | AEL206-101W3 | PF206 | |
| 1 100 | 550 | AEL206-102W3 | PF206 | 1.3 |
| | | AEL206-103W3 | PF206 | |
| | | AEL206-104W3 | PF206 | |
| 6 000 | 3 000 | AEL207W3 | PF207 | 0.8 |
| | | AEL207-104W3 | PF207 | |
| 1 300 | 650 | AEL207-105W3 | PF207 | 1.8 |
| | | AEL207-106W3 | PF207 | |
| | | AEL207-107W3 | PF207 | |
| 7 000 | 3 500 | AEL208W3 | PF208 | 1.4 |
| 1 500 | 750 | AEL208-108W3 | PF208 | 3.1 |
| | | AEL208-109W3 | PF208 | |

## Round flanged unit, pressed steel housing
## Eccentric locking collar type

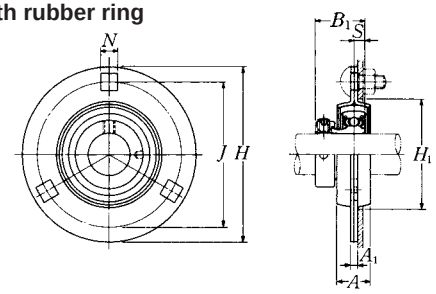



| Shaft dia. mm / inch | Unit number | Nominal dimensions mm / inch | | | | | | | | Bolt size mm / inch |
|---|---|---|---|---|---|---|---|---|---|---|
| | | H | J | $A_1$ | N(1) | A | $B_1$ | S | $H_1$ min. | |
| 12 | JELPF201W3 | 81 | 63.5 | 4 | 7.1 | 14 | 28.6 | 6.5 | 49 | M6 |
| 1/2 | JELPF201-008W3 | 3 3/16 | 2 1/2 | 0.157 | 9/32 | 9/16 | 1.126 | 0.256 | 1 15/16 | 1/4 |
| 15 | JELPF202W3 | 81 | 63.5 | 4 | 7.1 | 14 | 28.6 | 6.5 | 49 | M6 |
| 9/16 | JELPF202-009W3 | | | | | | | | | |
| 5/8 | JELPF202-010W3 | 3 3/16 | 2 1/2 | 0.157 | 9/32 | 9/16 | 1.126 | 0.256 | 1 15/16 | 1/4 |
| 17 | JELPF203W3 | 81 | 63.5 | 4 | 7.1 | 14 | 28.6 | 6.5 | 49 | M6 |
| 11/16 | JELPF203-011W3 | 3 3/16 | 2 1/2 | 0.157 | 9/32 | 9/16 | 1.126 | 0.256 | 1 15/16 | 1/4 |
| 20 | JELPF204W3 | 90 | 71.5 | 4 | 9 | 16 | 31 | 7.5 | 56 | M8 |
| 3/4 | JELPF204-012W3 | 3 35/64 | 2 13/16 | 0.157 | 23/64 | 5/8 | 1.220 | 0.295 | 2 7/32 | 5/16 |
| 25 | JELPF205W3 | 95 | 76 | 4 | 9 | 18 | 31 | 7.5 | 60 | M8 |
| 13/16 | JELPF205-013W3 | | | | | | | | | |
| 7/8 | JELPF205-014W3 | | | | | | | | | |
| 15/16 | JELPF205-015W3 | 3 3/4 | 2 63/64 | 0.157 | 23/64 | 23/32 | 1.220 | 0.295 | 2 3/8 | 5/16 |
| 1 | JELPF205-100W3 | | | | | | | | | |
| 30 | JELPF206W3 | 113 | 90.5 | 5.2 | 11 | 18 | 35.7 | 9 | 71 | M10 |
| 1 1/16 | JELPF206-101W3 | | | | | | | | | |
| 1 1/8 | JELPF206-102W3 | | | | | | | | | |
| 1 3/16 | JELPF206-103W3 | 4 7/16 | 3 9/16 | 0.205 | 7/16 | 23/32 | 1.406 | 0.354 | 2 13/16 | 3/8 |
| 1 1/4 | JELPF206-104W3 | | | | | | | | | |
| 35 | JELPF207W3 | 122 | 100 | 5.2 | 11 | 20 | 38.9 | 9.5 | 81 | M10 |
| 1 1/4 | JELPF207-104W3 | | | | | | | | | |
| 1 5/16 | JELPF207-105W3 | | | | | | | | | |
| 1 3/8 | JELPF207-106W3 | 4 13/16 | 3 15/16 | 0.205 | 7/16 | 25/32 | 1.531 | 0.374 | 3 3/16 | 3/8 |
| 1 7/16 | JELPF207-107W3 | | | | | | | | | |
| 40 | JELPF208W3 | 148 | 119 | 6.8 | 13.5 | 21 | 43.7 | 11.0 | 91 | M12 |
| 1 1/2 | JELPF208-108W3 | | | | | | | | | |
| 1 9/16 | JELPF208-109W3 | 5 13/16 | 4 11/16 | 0.268 | 17/32 | 13/16 | 1.720 | 0.433 | 3 19/32 | 1/2 |

| Max. load (2) recommended N / lbf | | Bearing number | Housing number | Mass of unit kg / lb |
|---|---|---|---|---|
| radial | axial | | | |
| 2 700 | 1 350 | JEL201W3 | PF203 | 0.3 |
| 600 | 300 | JEL201-008W3 | PF203 | 0.7 |
| 2 700 | 1 350 | JEL202W3 | PF203 | 0.3 |
| 600 | 300 | JEL202-009W3 | PF203 | 0.7 |
| | | JEL202-010W3 | PF203 | |
| 2 700 | 1 350 | JEL203W3 | PF203 | 0.3 |
| 600 | 300 | JEL203-011W3 | PF203 | 0.7 |
| 3 000 | 1 500 | JEL204W3 | PF204 | 0.3 |
| 660 | 330 | JEL204-012W3 | PF204 | 0.7 |
| 4 000 | 2 000 | JEL205W3 | PF205 | 0.4 |
| | | JEL205-013W3 | PF205 | |
| 880 | 440 | JEL205-014W3 | PF205 | 0.9 |
| | | JEL205-015W3 | PF205 | |
| | | JEL205-100W3 | PF205 | |
| 5 000 | 2 500 | JEL206W3 | PF206 | 0.6 |
| | | JEL206-101W3 | PF206 | |
| 1 100 | 550 | JEL206-102W3 | PF206 | 1.3 |
| | | JEL206-103W3 | PF206 | |
| | | JEL206-104W3 | PF206 | |
| 6 000 | 3 000 | JEL207W3 | PF207 | 0.8 |
| | | JEL207-104W3 | PF207 | |
| 1 300 | 650 | JEL207-105W3 | PF207 | 1.8 |
| | | JEL207-106W3 | PF207 | |
| | | JEL207-107W3 | PF207 | |
| 7 000 | 3 500 | JEL208W3 | PF208 | 1.4 |
| 1 500 | 750 | JEL208-108W3 | PF208 | 3.1 |
| | | JEL208-109W3 | PF208 | |

**Notes** (1) JELPF208 has four bolt holes.
(2) The permissible load only applies in applications where the load is stable and the speed is 2400 $min^{-1}$ or less.

## Round flanged unit, pressed steel housing with rubber ring
## Eccentric locking collar type

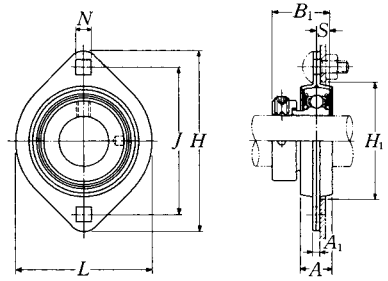



| Shaft dia. mm / inch | Unit number | Nominal dimensions mm / inch H | J | $A_1$ | N | A | $B_1$ | S | $H_1$ min. | Bolt size mm / inch |
|---|---|---|---|---|---|---|---|---|---|---|
| 12 | AELRPF201W3 | 90 | 71.5 | 4 | 9 | 16 | 28.6 | 6.5 | 56 | M8 |
| 1/2 | AELRPF201-008W3 | 3 35/64 | 2 13/16 | 0.157 | 23/64 | 5/8 | 1.126 | 0.256 | 2 7/32 | 5/16 |
| 15 | AELRPF202W3 | 90 | 71.5 | 4 | 9 | 16 | 28.6 | 6.5 | 56 | M8 |
| 9/16 | AELRPF202-009W3 | | | | | | | | | |
| 5/8 | AELRPF202-010W3 | 3 35/64 | 2 13/16 | 0.157 | 23/64 | 5/8 | 1.126 | 0.256 | 2 7/32 | 5/16 |
| 17 | AELRPF203W3 | 90 | 71.5 | 4 | 9 | 16 | 28.6 | 6.5 | 56 | M8 |
| 11/16 | AELRPF203-011W3 | 3 35/64 | 2 13/16 | 0.157 | 23/64 | 5/8 | 1.126 | 0.256 | 2 7/32 | 5/16 |
| 20 | AELRPF204W3 | 95 | 76 | 4 | 9 | 18 | 31 | 7.5 | 60 | M8 |
| 3/4 | AELRPF204-012W3 | 3 3/4 | 2 63/64 | 0.157 | 23/64 | 23/32 | 1.220 | 0.295 | 2 3/8 | 5/16 |
| 25 | AELRPF205W3 | 113 | 90.5 | 5.2 | 11 | 18 | 31 | 7.5 | 71 | M10 |
| 13/16 | AELRPF205-013W3 | | | | | | | | | |
| 7/8 | AELRPF205-014W3 | | | | | | | | | |
| 15/16 | AELRPF205-015W3 | 4 7/16 | 3 9/16 | 0.205 | 7/16 | 23/32 | 1.220 | 0.295 | 2 13/16 | 3/8 |
| 1 | AELRPF205-100W3 | | | | | | | | | |
| 30 | AELRPF206W3 | 122 | 100 | 5.2 | 11 | 20 | 35.7 | 9 | 81 | M10 |
| 1 1/16 | AELRPF206-101W3 | | | | | | | | | |
| 1 1/8 | AELRPF206-102W3 | | | | | | | | | |
| 1 3/16 | AELRPF206-103W3 | 4 13/16 | 3 15/16 | 0.205 | 7/16 | 25/32 | 1.406 | 0.354 | 3 3/16 | 3/8 |
| 1 1/4 | AELRPF206-104W3 | | | | | | | | | |

| Max. load (1) recommended N / lbf radial | axial | Bearing number | Housing number rubber ring | steel | Mass of unit kg / lb |
|---|---|---|---|---|---|
| 1 000 | 200 | AEL201W3 | R201 | PF204 | 0.3 |
| 220 | 40 | AEL201-008W3 | R201 | PF204 | 0.7 |
| 1 000 | 200 | AEL202W3 | R201 | PF204 | 0.3 |
| | | AEL202-009W3 | R201 | PF204 | |
| 220 | 40 | AEL202-010W3 | R201 | PF204 | 0.7 |
| 1 000 | 200 | AEL203W3 | R201 | PF204 | 0.3 |
| 220 | 40 | AEL203-011W3 | R201 | PF204 | 0.7 |
| 1 150 | 200 | AEL204W3 | R204 | PF205 | 0.4 |
| 250 | 40 | AEL204-012W3 | R204 | PF205 | 0.9 |
| 1 300 | 200 | AEL205W3 | R205 | PF206 | 0.5 |
| | | AEL205-013W3 | R205 | PF206 | |
| | | AEL205-014W3 | R205 | PF206 | |
| 280 | 40 | AEL205-015W3 | R205 | PF206 | 1.1 |
| | | AEL205-100W3 | R205 | PF206 | |
| 1 500 | 200 | AEL206W3 | R206 | PF207 | 0.7 |
| | | AEL206-101W3 | R206 | PF207 | |
| | | AEL206-102W3 | R206 | PF207 | |
| 330 | 40 | AEL206-103W3 | R206 | PF207 | 1.5 |
| | | AEL206-104W3 | R206 | PF207 | |

**Note** (1) The permissible load only applies in applications where the load is stable and the speed is 2400 $min^{-1}$ or less.
**Remarks** When an anti -vibration rubber ring is used, the self alignment capability will be reduce.

## Rhombus flanged unit, pressed steel housing
## Eccentric locking collar type

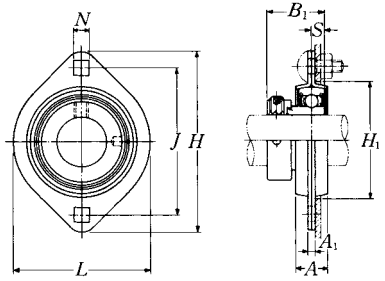



| Shaft dia. mm / inch | Unit number | Nominal dimensions mm / inch | | | | | | | | | Bolt size mm / inch |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | H | J | $A_1$ | N | A | L | $B_1$ | S | $H_1$ | |
| 12 | AELPFL201W3 | 81 | 63.5 | 4 | 7.1 | 14 | 59 | 28.6 | 6.5 | 49 | M6 |
| 1/2 | AELPFL201-008W3 | 3 3/16 | 2 1/2 | 0.157 | 9/32 | 9/16 | 2 5/16 | 1.126 | 0.256 | 1 15/16 | 1/4 |
| 15 | AELPFL202W3 | 81 | 63.5 | 4 | 7.1 | 14 | 59 | 28.6 | 6.5 | 49 | M6 |
| 9/16 | AELPFL202-009W3 | | | | | | | | | | |
| 5/8 | AELPFL202-010W3 | 3 3/16 | 2 1/2 | 0.157 | 9/32 | 9/16 | 2 5/16 | 1.126 | 0.256 | 1 15/16 | 1/4 |
| 17 | AELPFL203W3 | 81 | 63.5 | 4 | 7.1 | 14 | 59 | 28.6 | 6.5 | 49 | M6 |
| 11/16 | AELPFL203-011W3 | 3 3/16 | 2 1/2 | 0.157 | 9/32 | 9/16 | 2 5/16 | 1.126 | 0.256 | 1 15/16 | 1/4 |
| 20 | AELPFL204W3 | 90 | 71.5 | 4 | 9 | 16 | 67 | 31 | 7.5 | 56 | M8 |
| 3/4 | AELPFL204-012W3 | 3 35/64 | 2 13/16 | 0.157 | 23/64 | 5/8 | 2 5/8 | 1.220 | 0.295 | 2 7/32 | 5/16 |
| 25 | AELPFL205W3 | 95 | 76 | 4 | 9 | 18 | 71 | 31 | 7.5 | 60 | M8 |
| 13/16 | AELPFL205-013W3 | | | | | | | | | | |
| 7/8 | AELPFL205-014W3 | | | | | | | | | | |
| 15/16 | AELPFL205-015W3 | 3 3/4 | 2 63/64 | 0.157 | 23/64 | 23/32 | 2 25/32 | 1.220 | 0.295 | 2 3/8 | 5/16 |
| 1 | AELPFL205-100W3 | | | | | | | | | | |
| 30 | AELPFL206W3 | 113 | 90.5 | 5.2 | 11 | 18 | 84 | 35.7 | 9 | 71 | M10 |
| 1 1/16 | AELPFL206-101W3 | | | | | | | | | | |
| 1 1/8 | AELPFL206-102W3 | | | | | | | | | | |
| 1 3/16 | AELPFL206-103W3 | 4 7/16 | 3 9/16 | 0.205 | 7/16 | 23/32 | 3 5/16 | 1.406 | 0.354 | 2 13/16 | 3/8 |
| 1 1/4 | AELPFL206-104W3 | | | | | | | | | | |
| 35 | AELPFL207W3 | 122 | 100 | 5.2 | 11 | 20 | 94 | 38.9 | 9.5 | 81 | M10 |
| 1 1/4 | AELPFL207-104W3 | | | | | | | | | | |
| 1 5/16 | AELPFL207-105W3 | | | | | | | | | | |
| 1 3/8 | AELPFL207-106W3 | 4 13/16 | 3 15/16 | 0.205 | 7/16 | 25/32 | 3 11/16 | 1.531 | 0.374 | 3 3/16 | 3/8 |
| 1 7/16 | AELPFL207-107W3 | | | | | | | | | | |
| 40 | AELPFL208W3 | 148 | 119 | 6.8 | 13.5 | 21 | 100 | 43.7 | 11 | 91 | M12 |
| 1 1/2 | AELPFL208-108W3 | | | | | | | | | | |
| 1 9/16 | AELPFL208-109W3 | 5 13/16 | 4 11/16 | 0.268 | 17/32 | 13/16 | 3 15/16 | 1.720 | 0.433 | 3 19/32 | 1/2 |

| Max. load (1) recommended N / lbf | | Bearing number | Housing number | Mass of unit kg / lb |
|---|---|---|---|---|
| radial | axial | | | |
| 2 700 | 1 350 | AEL201W3 | PFL203W3 | 0.3 |
| 600 | 300 | AEL201-008W3 | PFL203W3 | 0.7 |
| 2 700 | 1 350 | AEL202W3 | PFL203W3 | 0.3 |
| 600 | 300 | AEL202-009W3 | PFL203W3 | 0.7 |
| | | AEL202-010W3 | PFL203W3 | |
| 2 700 | 1 350 | AEL203W3 | PFL203W3 | 0.3 |
| 600 | 300 | AEL203-011W3 | PFL203W3 | 0.7 |
| 3 000 | 1 500 | AEL204W3 | PFL204W3 | 0.3 |
| 660 | 330 | AEL204-012W3 | PFL204W3 | 0.7 |
| 4 000 | 2 000 | AEL205W3 | PFL205W3 | 0.4 |
| 880 | 440 | AEL205-013W3 | PFL205W3 | 0.9 |
| | | AEL205-014W3 | PFL205W3 | |
| | | AEL205-015W3 | PFL205W3 | |
| | | AEL205-100W3 | PFL205W3 | |
| 5 000 | 2 500 | AEL206W3 | PFL206W3 | 0.6 |
| 1 100 | 550 | AEL206-101W3 | PFL206W3 | 1.3 |
| | | AEL206-102W3 | PFL206W3 | |
| | | AEL206-103W3 | PFL206W3 | |
| | | AEL206-104W3 | PFL206W3 | |
| 6 000 | 3 000 | AEL207W3 | PFL207W3 | 0.9 |
| 1 300 | 650 | AEL207-104W3 | PFL207W3 | 2.0 |
| | | AEL207-105W3 | PFL207W3 | |
| | | AEL207-106W3 | PFL207W3 | |
| | | AEL207-107W3 | PFL207W3 | |
| 6 000 | 3 000 | AEL208W3 | PFL208W3 | 1.3 |
| 1 300 | 650 | AEL208-108W3 | PFL208W3 | 2.9 |
| | | AEL208-109W3 | PFL208W3 | |

**Note** (1) The permissible load only applies in applications where the load is stable and the speed is 2400 $min^{-1}$ or less.

## Rhombus flanged unit, pressed steel housing
## Eccentric locking collar type

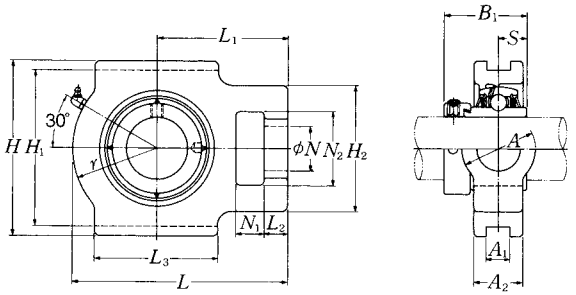



| Shaft dia. mm / inch | Unit number | Nominal dimensions mm / inch | | | | | | | | | Bolt size mm / inch |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | H | J | $A_1$ | N | A | L | $B_1$ | S | $H_1$ | |
| 12 | JELPFL201W3 | 81 | 63 | 4 | 7.1 | 14 | 59 | 28.6 | 6.5 | 49 | M6 |
| 1/2 | JELPFL201-008W3 | 3 3/16 | 2 31/64 | 0.157 | 9/32 | 9/16 | 2 5/16 | 1.126 | 0.256 | 1 15/16 | 1/4 |
| 15 | JELPFL202W3 | 81 | 63 | 4 | 7.1 | 14 | 59 | 28.6 | 6.5 | 49 | M6 |
| 9/16 | JELPFL202-009W3 | | | | | | | | | | |
| 5/8 | JELPFL202-010W3 | 3 3/16 | 2 31/64 | 0.157 | 9/32 | 9/16 | 2 5/16 | 1.126 | 0.256 | 1 15/16 | 1/4 |
| 17 | JELPFL203W3 | 81 | 63 | 4 | 7.1 | 14 | 59 | 28.6 | 6.5 | 49 | M6 |
| 11/16 | JELPFL203-011W3 | 3 3/16 | 2 31/64 | 0.157 | 9/32 | 9/16 | 2 5/16 | 1.126 | 0.256 | 1 15/16 | 1/4 |
| 20 | JELPFL204W3 | 90 | 71 | 4 | 9 | 16 | 67 | 31 | 7.5 | 56 | M8 |
| 3/4 | JELPFL204-012W3 | 3 35/64 | 2 51/64 | 0.157 | 23/64 | 5/8 | 2 5/8 | 1.220 | 0.295 | 2 7/32 | 5/16 |
| 25 | JELPFL205W3 | 95 | 76 | 4 | 9 | 18 | 71 | 31 | 7.5 | 60 | M8 |
| 13/16 | JELPFL205-013W3 | | | | | | | | | | |
| 7/8 | JELPFL205-014W3 | | | | | | | | | | |
| 15/16 | JELPFL205-015W3 | 3 3/4 | 2 63/64 | 0.157 | 23/64 | 23/32 | 2 25/32 | 1.220 | 0.295 | 2 3/8 | 5/16 |
| 1 | JELPFL205-100W3 | | | | | | | | | | |
| 30 | JELPFL206W3 | 113 | 90 | 5.2 | 11 | 18 | 84 | 35.7 | 9 | 71 | M10 |
| 1 1/16 | JELPFL206-101W3 | | | | | | | | | | |
| 1 1/8 | JELPFL206-102W3 | | | | | | | | | | |
| 1 3/16 | JELPFL206-103W3 | 4 7/16 | 3 35/64 | 0.205 | 7/16 | 23/32 | 3 5/16 | 1.406 | 0.354 | 2 13/16 | 3/8 |
| 1 1/4 | JELPFL206-104W3 | | | | | | | | | | |
| 35 | JELPFL207W3 | 122 | 100 | 5.2 | 11 | 20 | 94 | 38.9 | 9.5 | 81 | M10 |
| 1 1/4 | JELPFL207-104W3 | | | | | | | | | | |
| 1 5/16 | JELPFL207-105W3 | | | | | | | | | | |
| 1 3/8 | JELPFL207-106W3 | 4 13/16 | 3 15/16 | 0.205 | 7/16 | 25/32 | 3 11/16 | 1.531 | 0.374 | 3 3/16 | 3/8 |
| 1 7/16 | JELPFL207-107W3 | | | | | | | | | | |
| 40 | JELPFL208W3 | 148 | 119 | 6.8 | 13.5 | 21 | 100 | 43.7 | 11 | 91 | M12 |
| 1 1/2 | JELPFL208-108W3 | 5 13/16 | 4 11/16 | 0.268 | 17/32 | 13/16 | 3 15/16 | 1.720 | 0.433 | 3 19/32 | 1/2 |
| 1 9/16 | JELPFL208-109W3 | | | | | | | | | | |

| Max. load (1) recommended N / lbf | | Bearing number | Housing number | Mass of unit kg / lb |
|---|---|---|---|---|
| radial | axial | | | |
| 2 700 | 1 350 | JEL201W3 | PFL203W3 | 0.3 |
| 600 | 300 | JEL201-008W3 | PFL203W3 | 0.7 |
| 2 700 | 1 350 | JEL202W3 | PFL203W3 | 0.3 |
| 600 | 300 | JEL202-009W3 | PFL203W3 | 0.7 |
| | | JEL202-010W3 | PFL203W3 | |
| 2 700 | 1 350 | JEL203W3 | PFL203W3 | 0.3 |
| 600 | 300 | JEL203-011W3 | PFL203W3 | 0.7 |
| 3 000 | 1 500 | JEL204W3 | PFL204W3 | 0.3 |
| 660 | 330 | JEL204-012W3 | PFL204W3 | 0.7 |
| 4 000 | 2 000 | JEL205W3 | PFL205W3 | 0.4 |
| 880 | 440 | JEL205-013W3 | PFL205W3 | 0.9 |
| | | JEL205-014W3 | PFL205W3 | |
| | | JEL205-015W3 | PFL205W3 | |
| | | JEL205-100W3 | PFL205W3 | |
| 5 000 | 2 500 | JEL206W3 | PFL206W3 | 0.6 |
| 1 100 | 550 | JEL206-101W3 | PFL206W3 | 1.3 |
| | | JEL206-102W3 | PFL206W3 | |
| | | JEL206-103W3 | PFL206W3 | |
| | | JEL206-104W3 | PFL206W3 | |
| 6 000 | 3 000 | JEL207W3 | PFL207W3 | 0.9 |
| 1 300 | 650 | JEL207-104W3 | PFL207W3 | 2.0 |
| | | JEL207-105W3 | PFL207W3 | |
| | | JEL207-106W3 | PFL207W3 | |
| | | JEL207-107W3 | PFL207W3 | |
| 6 000 | 3 000 | JEL208W3 | PFL208W3 | 1.3 |
| 1 300 | 650 | JEL208-108W3 | PFL208W3 | 2.9 |
| | | JEL208-109W3 | PFL208W3 | |

**Note** (1) The permissible load only applies in applications where the load is stable and the speed is 2400 $min^{-1}$ or less.

## Take-up unit, cast housing
## Eccentric locking collar type





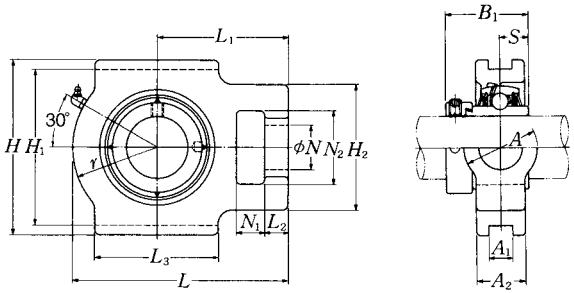


| Shaft dia. mm / inch | Unit number (1) | Nominal dimensions mm / inch $N_1$ | $L_2$ | $H_2$ | $N_2$ | $N$ | $L_3$ | $A_1$ | $H_1$ | $H$ | $L$ | $A_2$ | $A$ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 20 | UELT204D1W3 | 16 | 12 | 51 | 32 | 19 | 51 | 12 | 76 | 89 | 94 | 21 | 32 |
| 3/4 | UELT204-012D1W3 | 5/8 | 15/32 | 2 | 1 1/4 | 3/4 | 2 | 0.472 | 2 63/64 | 3 1/2 | 3 11/16 | 13/16 | 1 1/4 |
| 25 | UELT205D1W3 | 16 | 12 | 51 | 32 | 19 | 51 | 12 | 76 | 89 | 97 | 24 | 32 |
| 13/16 | UELT205-013D1W3 | | | | | | | | | | | | |
| 7/8 | UELT205-014D1W3 | 5/8 | 15/32 | 2 | 1 1/4 | 3/4 | 2 | 0.472 | 2 63/64 | 3 1/2 | 3 13/16 | 15/16 | 1 1/4 |
| 15/16 | UELT205-015D1W3 | | | | | | | | | | | | |
| 1 | UELT205-100D1W3 | | | | | | | | | | | | |
| 30 | UELT206D1W3 | 16 | 12 | 56 | 37 | 22 | 57 | 12 | 89 | 102 | 113 | 28 | 37 |
| 1 1/16 | UELT206-101D1W3 | | | | | | | | | | | | |
| 1 1/8 | UELT206-102D1W3 | 5/8 | 15/32 | 2 7/32 | 1 15/32 | 7/8 | 2 1/4 | 0.472 | 3 1/2 | 4 1/32 | 4 7/16 | 1 3/32 | 1 15/32 |
| 1 3/16 | UELT206-103D1W3 | | | | | | | | | | | | |
| 1 1/4 | UELT206-104D1W3 | | | | | | | | | | | | |
| 35 | UELT207D1W3 | 16 | 15 | 64 | 37 | 22 | 64 | 12 | 89 | 102 | 129 | 30 | 37 |
| 1 1/4 | UELT207-104D1W3 | | | | | | | | | | | | |
| 1 5/16 | UELT207-105D1W3 | 5/8 | 19/32 | 2 17/32 | 1 15/32 | 7/8 | 2 17/32 | 0.472 | 3 1/2 | 4 1/32 | 5 3/32 | 1 3/16 | 1 15/32 |
| 1 3/8 | UELT207-106D1W3 | | | | | | | | | | | | |
| 1 7/16 | UELT207-107D1W3 | | | | | | | | | | | | |
| 40 | UELT208D1W3 | 19 | 18 | 83 | 49 | 29 | 83 | 16 | 102 | 114 | 144 | 33 | 49 |
| 1 1/2 | UELT208-108D1W3 | 3/4 | 23/32 | 3 9/32 | 1 15/16 | 1 5/32 | 3 9/32 | 0.630 | 4 1/64 | 4 1/2 | 5 21/32 | 1 5/16 | 1 15/16 |
| 1 9/16 | UELT208-109D1W3 | | | | | | | | | | | | |
| 45 | UELT209D1W3 | 19 | 18 | 83 | 49 | 29 | 83 | 16 | 102 | 117 | 145 | 35 | 49 |
| 1 5/8 | UELT209-110D1W3 | | | | | | | | | | | | |
| 1 11/16 | UELT209-111D1W3 | 3/4 | 23/32 | 3 9/32 | 1 15/16 | 1 5/32 | 3 9/32 | 0.630 | 4 1/64 | 4 19/32 | 5 23/32 | 1 3/8 | 1 15/16 |
| 1 3/4 | UELT209-112D1W3 | | | | | | | | | | | | |
| 50 | UELT210D1W3 | 19 | 18 | 83 | 49 | 29 | 86 | 16 | 102 | 117 | 151 | 37 | 49 |
| 1 13/16 | UELT210-113D1W3 | | | | | | | | | | | | |
| 1 7/8 | UELT210-114D1W3 | 3/4 | 23/32 | 3 9/32 | 1 15/16 | 1 5/32 | 3 3/8 | 0.630 | 4 1/64 | 4 19/32 | 5 15/16 | 1 15/32 | 1 15/16 |
| 1 15/16 | UELT210-115D1W3 | | | | | | | | | | | | |
| 2 | UELT210-200D1W3 | | | | | | | | | | | | |

| Nominal dimensions mm / inch $r$ | $L_1$ | $B_1$ | $S$ | Bearing number | Housing number | Mass of unit kg / lb |
|---|---|---|---|---|---|---|
| 33 | 61 | 43.7 | 17.1 | UEL204D1W3 | T204D1 | 0.6 |
| 1 5/16 | 2 13/32 | 1.720 | 0.673 | UEL204-012D1W3 | T204D1 | 1.3 |
| 35 | 62 | 44.4 | 17.5 | UEL205D1W3 | T205D1 | 0.9 |
| | | | | UEL205-013D1W3 | T205D1 | |
| | | | | UEL205-014D1W3 | T205D1 | |
| 1 3/8 | 2 7/16 | 1.748 | 0.687 | UEL205-015D1W3 | T205D1 | 2.0 |
| | | | | UEL205-100D1W3 | T205D1 | |
| 43 | 70 | 48.4 | 18.25 | UEL206D1W3 | T206D1 | 1.4 |
| | | | | UEL206-101D1W3 | T206D1 | |
| | | | | UEL206-102D1W3 | T206D1 | |
| 1 11/16 | 2 3/4 | 1.906 | 0.719 | UEL206-103D1W3 | T206D1 | 3.1 |
| | | | | UEL206-104D1W3 | T206D1 | |
| 51 | 78 | 51.1 | 18.8 | UEL207D1W3 | T207D1 | 1.7 |
| | | | | UEL207-104D1W3 | T207D1 | |
| | | | | UEL207-105D1W3 | T207D1 | |
| 2 | 3 1/16 | 2.012 | 0.740 | UEL207-106D1W3 | T207D1 | 3.7 |
| | | | | UEL207-107D1W3 | T207D1 | |
| 56 | 88 | 56.3 | 21.4 | UEL208D1W3 | T208D1 | 2.5 |
| | | | | UEL208-108D1W3 | T208D1 | |
| 2 7/32 | 3 15/32 | 2.217 | 0.843 | UEL208-109D1W3 | T208D1 | 5.5 |
| 57 | 88 | 56.3 | 21.4 | UEL209D1W3 | T209D1 | 2.5 |
| | | | | UEL209-110D1W3 | T209D1 | |
| | | | | UEL209-111D1W3 | T209D1 | |
| 2 1/4 | 3 15/32 | 2.217 | 0.843 | UEL209-112D1W3 | T209D1 | 5.5 |
| 59 | 92 | 62.7 | 24.6 | UEL210D1W3 | T210D1 | 2.7 |
| | | | | UEL210-113D1W3 | T210D1 | |
| | | | | UEL210-114D1W3 | T210D1 | |
| 2 5/16 | 3 5/8 | 2.469 | 0.969 | UEL210-115D1W3 | T210D1 | 6.0 |
| | | | | UEL210-200D1W3 | T210D1 | |

**Note** (1) These numbers indicate relubricatable type. If maintenance free type is needed, please order without suffix "D1".
**Remarks** Please refer to page **A21** for size of grease fitting.

## Take-up unit, cast housing
## Eccentric locking collar type





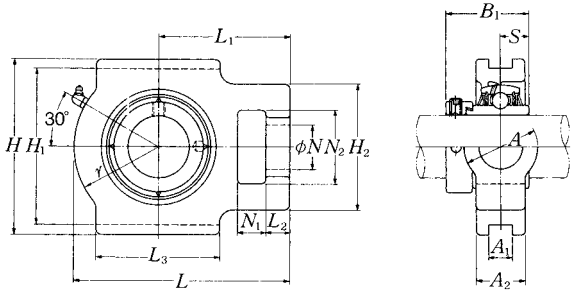


| Shaft dia. mm / inch | Unit number (1) | Nominal dimensions mm / inch | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | $N_1$ | $L_2$ | $H_2$ | $N_2$ | $N$ | $L_3$ | $A_1$ | $H_1$ | $H$ | $L$ | $A_2$ | $A$ |
| 55 | UELT211D1W3 | 25 | 21 | 102 | 64 | 35 | 95 | 22 | 130 | 146 | 171 | 38 | 64 |
| 2 | UELT211-200D1W3 | | | | | | | | | | | | |
| 2 1/16 | UELT211-201D1W3 | 31/32 | 13/16 | 4 1/32 | 2 17/32 | 1 3/8 | 3 3/4 | 0.866 | 5 1/8 | 5 3/4 | 6 23/32 | 1 1/2 | 2 17/32 |
| 2 1/8 | UELT211-202D1W3 | | | | | | | | | | | | |
| 2 3/16 | UELT211-203D1W3 | | | | | | | | | | | | |
| 60 | UELT212D1W3 | 32 | 21 | 102 | 64 | 35 | 102 | 22 | 130 | 146 | 194 | 42 | 64 |
| 2 1/4 | UELT212-204D1W3 | | | | | | | | | | | | |
| 2 5/16 | UELT212-205D1W3 | 1 1/4 | 13/16 | 4 1/32 | 2 17/32 | 1 3/8 | 4 1/32 | 0.866 | 5 1/8 | 5 3/4 | 7 5/8 | 1 21/32 | 2 17/32 |
| 2 3/8 | UELT212-206D1W3 | | | | | | | | | | | | |
| 2 7/16 | UELT212-207D1W3 | | | | | | | | | | | | |
| 65 | UELT213D1W3 | 32 | 23 | 111 | 70 | 41 | 121 | 26 | 151 | 167 | 224 | 44 | 70 |
| 2 1/2 | UELT213-208D1W3 | 1 1/4 | 29/32 | 4 3/8 | 2 3/4 | 1 5/8 | 4 3/4 | 1.024 | 5 15/16 | 6 9/16 | 8 13/16 | 1 23/32 | 2 3/4 |
| 2 9/16 | UELT213-209D1W3 | | | | | | | | | | | | |
| 70 | UELT214D1W3 | 32 | 23 | 111 | 70 | 41 | 121 | 26 | 151 | 167 | 224 | 46 | 70 |
| 2 5/8 | UELT214-210D1W3 | | | | | | | | | | | | |
| 2 11/16 | UELT214-211D1W3 | 1 1/4 | 29/32 | 4 3/8 | 2 3/4 | 1 5/8 | 4 3/4 | 1.024 | 5 15/16 | 6 9/16 | 8 13/16 | 1 13/16 | 2 3/4 |
| 2 3/4 | UELT214-212D1W3 | | | | | | | | | | | | |
| 75 | UELT215D1W3 | 32 | 23 | 111 | 70 | 41 | 121 | 26 | 151 | 167 | 232 | 48 | 70 |
| 2 13/16 | UELT215-213D1W3 | | | | | | | | | | | | |
| 2 7/8 | UELT215-214D1W3 | 1 1/4 | 29/32 | 4 3/8 | 2 3/4 | 1 5/8 | 4 3/4 | 1.024 | 5 15/16 | 6 9/16 | 9 1/8 | 1 7/8 | 2 3/4 |
| 2 15/16 | UELT215-215D1W3 | | | | | | | | | | | | |
| 3 | UELT215-300D1W3 | | | | | | | | | | | | |

| Nominal dimensions mm / inch | | | | Bearing number | Housing number | Mass of unit kg / lb |
|---|---|---|---|---|---|---|
| $r$ | $L_1$ | $B_1$ | $S$ | | | |
| 65 | 106 | 71.4 | 27.75 | UEL211D1W3 | T211D1 | 4.2 |
| | | | | UEL211-200D1W3 | T211D1 | |
| 2 9/16 | 4 3/16 | 2.811 | 1.093 | UEL211-201D1W3 | T211D1 | 9.3 |
| | | | | UEL211-202D1W3 | T211D1 | |
| | | | | UEL211-203D1W3 | T211D1 | |
| 75 | 119 | 77.8 | 30.95 | UEL212D1W3 | T212D1 | 5.2 |
| | | | | UEL212-204D1W3 | T212D1 | |
| 2 15/16 | 4 11/16 | 3.063 | 1.219 | UEL212-205D1W3 | T212D1 | 11 |
| | | | | UEL212-206D1W3 | T212D1 | |
| | | | | UEL212-207D1W3 | T212D1 | |
| 87 | 137 | 85.7 | 34.15 | UEL213D1W3 | T213D1 | 7.7 |
| 3 7/16 | 5 13/32 | 3.374 | 1.344 | UEL213-208D1W3 | T213D1 | 17 |
| | | | | UEL213-209D1W3 | T213D1 | |
| 87 | 137 | 85.7 | 34.15 | UEL214D1W3 | T214D1 | 7.3 |
| | | | | UEL214-210D1W3 | T214D1 | |
| 3 7/16 | 5 13/32 | 3.374 | 1.344 | UEL214-211D1W3 | T214D1 | 16 |
| | | | | UEL214-212D1W3 | T214D1 | |
| 92 | 140 | 92 | 37.3 | UEL215D1W3 | T215D1 | 7.8 |
| | | | | UEL215-213D1W3 | T215D1 | |
| 3 5/8 | 5 1/2 | 3.622 | 1.469 | UEL215-214D1W3 | T215D1 | 17 |
| | | | | UEL215-215D1W3 | T215D1 | |
| | | | | UEL215-300D1W3 | T215D1 | |

**Note** (1) These numbers indicate relubricatable type. If maintenance free type is needed, please order without suffix "D1".
**Remarks** Please refer to page **A21** for size of grease fitting.

## Take-up unit, cast housing
## Eccentric locking collar type





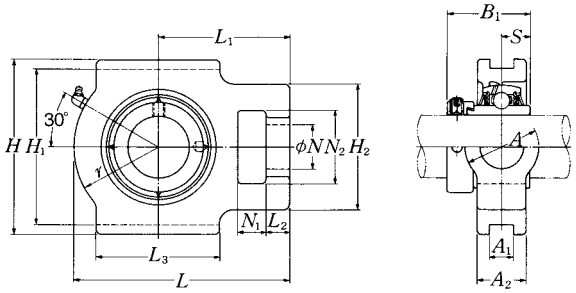


| Shaft dia. mm / inch | Unit number (1) | Nominal dimensions mm / inch $N_1$ | $L_2$ | $H_2$ | $N_2$ | $N$ | $L_3$ | $A_1$ | $H_1$ | $H$ | $L$ | $A_2$ | $A$ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 25 | UELT305D1W3 | 16 | 14 | 62 | 36 | 26 | 65 | 12 | 80 | 89 | 122 | 26 | 36 |
| 13/16 | UELT305-013D1W3 | | | | | | | | | | | | |
| 7/8 | UELT305-014D1W3 | 5/8 | 9/16 | 2 7/16 | 1 13/32 | 1 1/32 | 2 9/16 | 0.472 | 3 5/32 | 3 1/2 | 4 13/16 | 1 1/32 | 1 13/32 |
| 15/16 | UELT305-015D1W3 | | | | | | | | | | | | |
| 1 | UELT305-100D1W3 | | | | | | | | | | | | |
| 30 | UELT306D1W3 | 18 | 16 | 70 | 41 | 28 | 74 | 16 | 90 | 100 | 137 | 28 | 41 |
| 1 1/16 | UELT306-101D1W3 | | | | | | | | | | | | |
| 1 1/8 | UELT306-102D1W3 | 23/32 | 5/8 | 2 3/4 | 1 5/8 | 1 3/32 | 2 29/32 | 0.630 | 3 35/64 | 3 15/16 | 5 13/32 | 1 3/32 | 1 5/8 |
| 1 3/16 | UELT306-103D1W3 | | | | | | | | | | | | |
| 35 | UELT307D1W3 | 20 | 17 | 75 | 45 | 30 | 80 | 16 | 100 | 111 | 150 | 32 | 45 |
| 1 1/4 | UELT307-104D1W3 | | | | | | | | | | | | |
| 1 5/16 | UELT307-105D1W3 | 25/32 | 21/32 | 2 15/16 | 1 25/32 | 1 3/16 | 3 5/32 | 0.630 | 3 15/16 | 4 3/8 | 5 29/32 | 1 1/4 | 1 25/32 |
| 1 3/8 | UELT307-106D1W3 | | | | | | | | | | | | |
| 1 7/16 | UELT307-107D1W3 | | | | | | | | | | | | |
| 40 | UELT308D1W3 | 22 | 19 | 83 | 50 | 32 | 89 | 18 | 112 | 124 | 162 | 34 | 50 |
| 1 1/2 | UELT308-108D1W3 | 7/8 | 3/4 | 3 9/32 | 1 31/32 | 1 1/4 | 3 1/2 | 0.709 | 4 13/32 | 4 7/8 | 6 3/8 | 1 11/32 | 1 31/32 |
| 1 9/16 | UELT308-109D1W3 | | | | | | | | | | | | |
| 45 | UELT309D1W3 | 24 | 20 | 90 | 55 | 34 | 97 | 18 | 125 | 138 | 178 | 38 | 55 |
| 1 5/8 | UELT309-110D1W3 | | | | | | | | | | | | |
| 1 11/16 | UELT309-111D1W3 | 15/16 | 25/32 | 3 17/32 | 2 5/32 | 1 11/32 | 3 13/16 | 0.709 | 4 59/64 | 5 7/16 | 7 | 1 1/2 | 2 5/32 |
| 1 3/4 | UELT309-112D1W3 | | | | | | | | | | | | |
| 50 | UELT310D1W3 | 27 | 22 | 98 | 61 | 37 | 106 | 20 | 140 | 151 | 192 | 40 | 61 |
| 1 13/16 | UELT310-113D1W3 | | | | | | | | | | | | |
| 1 7/8 | UELT310-114D1W3 | 1 1/16 | 7/8 | 3 27/32 | 2 13/32 | 1 15/32 | 4 3/16 | 0.787 | 5 33/64 | 5 15/16 | 7 9/16 | 1 9/16 | 2 13/32 |
| 1 15/16 | UELT310-115D1W3 | | | | | | | | | | | | |

| Nominal dimensions mm / inch $r$ | $L_1$ | $B_1$ | $S$ | Bearing number | Housing number | Mass of unit kg / lb |
|---|---|---|---|---|---|---|
| 46 | 76 | 46.8 | 16.7 | UEL305D1W3 | T305D1 | 1.4 |
| | | | | UEL305-013D1W3 | T305D1 | |
| | | | | UEL305-014D1W3 | T305D1 | |
| 1 13/16 | 3 | 1.843 | 0.657 | UEL305-015D1W3 | T305D1 | 3.1 |
| | | | | UEL305-100D1W3 | T305D1 | |
| 52 | 85 | 50 | 17.5 | UEL306D1W3 | T306D1 | 1.9 |
| | | | | UEL306-101D1W3 | T306D1 | |
| 2 1/16 | 3 11/32 | 1.969 | 0.689 | UEL306-102D1W3 | T306D1 | 4.2 |
| | | | | UEL306-103D1W3 | T306D1 | |
| 56 | 94 | 51.6 | 18.3 | UEL307D1W3 | T307D1 | 2.4 |
| | | | | UEL307-104D1W3 | T307D1 | |
| | | | | UEL307-105D1W3 | T307D1 | |
| 2 7/32 | 3 11/16 | 2.031 | 0.720 | UEL307-106D1W3 | T307D1 | 5.3 |
| | | | | UEL307-107D1W3 | T307D1 | |
| 62 | 100 | 57.1 | 19.8 | UEL308D1W3 | T308D1 | 3.1 |
| | | | | UEL308-108D1W3 | T308D1 | |
| 2 7/16 | 3 15/16 | 2.248 | 0.780 | UEL308-109D1W3 | T308D1 | 6.8 |
| 68 | 110 | 58.7 | 19.8 | UEL309D1W3 | T309D1 | 4.1 |
| | | | | UEL309-110D1W3 | T309D1 | |
| 2 11/16 | 4 11/32 | 2.311 | 0.780 | UEL309-111D1W3 | T309D1 | 9.0 |
| | | | | UEL309-112D1W3 | T309D1 | |
| 74 | 118 | 66.6 | 24.6 | UEL310D1W3 | T310D1 | 5.2 |
| | | | | UEL310-113D1W3 | T310D1 | |
| | | | | UEL310-114D1W3 | T310D1 | |
| 2 29/32 | 4 21/32 | 2.622 | 0.969 | UEL310-115D1W3 | T310D1 | 11 |

**Note** (1) These numbers indicate relubricatable type. If maintenance free type is needed, please order without suffix "D1".
**Remarks** Please refer to page **A21** for size of grease fitting.

## Take-up unit, cast housing
## Eccentric locking collar type

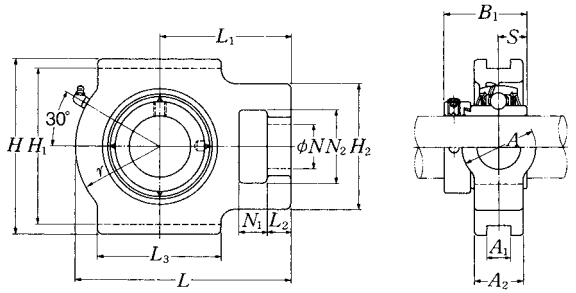



| Shaft dia. mm / inch | Unit number (1) | Nominal dimensions mm / inch | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | $N_1$ | $L_2$ | $H_2$ | $N_2$ | $N$ | $L_3$ | $A_1$ | $H_1$ | $H$ | $L$ | $A_2$ | $A$ |
| 55 | UELT311D1W3 | 29 | 23 | 105 | 66 | 39 | 115 | 22 | 150 | 163 | 207 | 44 | 66 |
| 2 | UELT311-200D1W3 | | | | | | | | | | | | |
| 2 1/16 | UELT311-201D1W3 | | | | | | | | | | | | |
| 2 1/8 | UELT311-202D1W3 | 1 5/32 | 29/32 | 4 1/8 | 2 19/32 | 1 17/32 | 4 17/32 | 0.866 | 5 29/32 | 6 13/32 | 8 5/32 | 1 23/32 | 2 19/32 |
| 2 3/16 | UELT311-203D1W3 | | | | | | | | | | | | |
| 60 | UELT312D1W3 | 31 | 25 | 113 | 71 | 41 | 123 | 22 | 160 | 178 | 220 | 46 | 71 |
| 2 1/4 | UELT312-204D1W3 | | | | | | | | | | | | |
| 2 5/16 | UELT312-205D1W3 | | | | | | | | | | | | |
| 2 3/8 | UELT312-206D1W3 | 1 7/32 | 31/32 | 4 7/16 | 2 25/32 | 1 5/8 | 4 27/32 | 0.866 | 6 19/64 | 7 | 8 21/32 | 1 13/16 | 2 25/32 |
| 2 7/16 | UELT312-207D1W3 | | | | | | | | | | | | |
| 65 | UELT313D1W3 | 32 | 27 | 116 | 70 | 43 | 134 | 26 | 170 | 190 | 238 | 50 | 80 |
| 2 1/2 | UELT313-208D1W3 | | | | | | | | | | | | |
| 2 9/16 | UELT313-209D1W3 | 1 1/4 | 1 1/16 | 4 9/16 | 2 3/4 | 1 11/16 | 5 9/32 | 1.024 | 6 11/16 | 7 15/32 | 9 3/8 | 1 31/32 | 3 5/32 |
| 70 | UELT314D1W3 | 36 | 27 | 130 | 85 | 46 | 140 | 26 | 180 | 202 | 252 | 52 | 90 |
| 2 5/8 | UELT314-210D1W3 | | | | | | | | | | | | |
| 2 11/16 | UELT314-211D1W3 | | | | | | | | | | | | |
| 2 3/4 | UELT314-212D1W3 | 1 13/32 | 1 1/16 | 5 1/8 | 3 11/32 | 1 13/16 | 5 1/2 | 1.024 | 7 3/32 | 7 15/16 | 9 29/32 | 2 1/16 | 3 17/32 |
| 75 | UELT315D1W3 | 36 | 27 | 132 | 85 | 46 | 150 | 26 | 192 | 216 | 262 | 55 | 90 |
| 2 13/16 | UELT315-213D1W3 | | | | | | | | | | | | |
| 2 7/8 | UELT315-214D1W3 | | | | | | | | | | | | |
| 2 15/16 | UELT315-215D1W3 | | | | | | | | | | | | |
| 3 | UELT315-300D1W3 | 1 13/32 | 1 1/16 | 5 3/16 | 3 11/32 | 1 13/16 | 5 29/32 | 1.024 | 7 9/16 | 8 1/2 | 10 5/16 | 2 5/32 | 3 17/32 |
| 80 | UELT316D1W3 | 42 | 30 | 150 | 98 | 53 | 160 | 30 | 204 | 230 | 282 | 60 | 102 |
| 3 1/16 | UELT316-301D1W3 | | | | | | | | | | | | |
| 3 1/8 | UELT316-302D1W3 | | | | | | | | | | | | |
| 3 3/16 | UELT316-303D1W3 | 1 21/32 | 1 3/16 | 5 29/32 | 3 27/32 | 2 3/32 | 6 5/16 | 1.181 | 8 1/32 | 9 1/16 | 11 3/32 | 2 3/8 | 4 1/32 |

| Nominal dimensions mm / inch | | | | Bearing number | Housing number | Mass of unit kg / lb |
|---|---|---|---|---|---|---|
| $r$ | $L_1$ | $B_1$ | $S$ | | | |
| 80 | 127 | 73 | 27.8 | UEL311D1W3 | T311D1 | 6.6 |
| | | | | UEL311-200D1W3 | T311D1 | |
| | | | | UEL311-201D1W3 | T311D1 | |
| 3 5/32 | 5 | 2.874 | 1.094 | UEL311-202D1W3 | T311D1 | 15 |
| | | | | UEL311-203D1W3 | T311D1 | |
| 85 | 135 | 79.4 | 30.95 | UEL312D1W3 | T312D1 | 7.9 |
| | | | | UEL312-204D1W3 | T312D1 | |
| | | | | UEL312-205D1W3 | T312D1 | |
| 3 11/32 | 5 5/16 | 3.126 | 1.219 | UEL312-206D1W3 | T312D1 | 17 |
| | | | | UEL312-207D1W3 | T312D1 | |
| 92 | 146 | 85.7 | 32.55 | UEL313D1W3 | T313D1 | 9.8 |
| | | | | UEL313-208D1W3 | T313D1 | |
| 3 5/8 | 5 3/4 | 3.374 | 1.281 | UEL313-209D1W3 | T313D1 | 22 |
| 97 | 155 | 92.1 | 34.15 | UEL314D1W3 | T314D1 | 11 |
| | | | | UEL314-210D1W3 | T314D1 | |
| | | | | UEL314-211D1W3 | T314D1 | |
| 3 13/16 | 6 3/32 | 3.626 | 1.344 | UEL314-212D1W3 | T314D1 | 24 |
| 102 | 160 | 100 | 37.3 | UEL315D1W3 | T315D1 | 14 |
| | | | | UEL315-213D1W3 | T315D1 | |
| | | | | UEL315-214D1W3 | T315D1 | |
| 4 1/32 | 6 5/16 | 3.937 | 1.469 | UEL315-215D1W3 | T315D1 | 31 |
| | | | | UEL315-300D1W3 | T315D1 | |
| 108 | 174 | 106.4 | 40.5 | UEL316D1W3 | T316D1 | 17 |
| | | | | UEL316-301D1W3 | T316D1 | |
| | | | | UEL316-302D1W3 | T316D1 | |
| 4 1/4 | 6 27/32 | 4.189 | 1.594 | UEL316-303D1W3 | T316D1 | 37 |

**Note** (1) These numbers indicate relubricatable type. If maintenance free type is needed, please order without suffix "D1".
**Remarks** Please refer to page **A21** for size of grease fitting.

## Take-up unit, cast housing
## Eccentric locking collar type





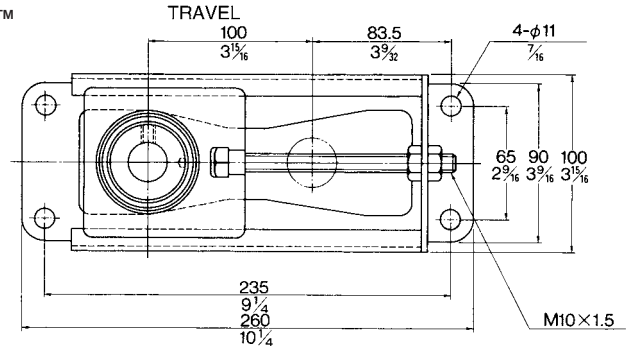


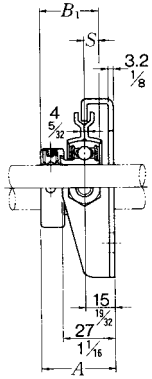
| Shaft dia. mm / inch | Unit number (1) | Nominal dimensions mm / inch | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | $N_1$ | $L_2$ | $H_2$ | $N_2$ | $N$ | $L_3$ | $A_1$ | $H_1$ | $H$ | $L$ | $A_2$ | $A$ |
| 85 | UELT317D1W3 | 42 | 32 | 152 | 98 | 53 | 170 | 32 | 214 | 240 | 298 | 64 | 102 |
| 3 1/4 | UELT317-304D1W3 | | | | | | | | | | | | |
| 3 5/16 | UELT317-305D1W3 | 1 21/32 | 1 1/4 | 5 31/32 | 3 27/32 | 2 3/32 | 6 11/16 | 1.260 | 8 27/64 | 9 7/16 | 11 23/32 | 2 17/32 | 4 1/32 |
| 3 7/16 | UELT317-307D1W3 | | | | | | | | | | | | |
| 90 | UELT318D1W3 | 46 | 32 | 160 | 106 | 57 | 175 | 32 | 228 | 255 | 312 | 66 | 110 |
| 3 7/16 | UELT318-307D1W3 | 1 13/16 | 1 1/4 | 6 5/16 | 4 3/16 | 2 1/4 | 6 7/8 | 1.260 | 8 31/32 | 10 1/32 | 12 9/32 | 2 19/32 | 4 11/32 |
| 3 1/2 | UELT318-308D1W3 | | | | | | | | | | | | |
| 95 | UELT319D1W3 | 46 | 33 | 165 | 106 | 57 | 180 | 35 | 240 | 270 | 322 | 72 | 110 |
| 3 5/8 | UELT319-310D1W3 | | | | | | | | | | | | |
| 3 11/16 | UELT319-311D1W3 | 1 13/16 | 1 5/16 | 6 1/2 | 4 3/16 | 2 1/4 | 7 3/32 | 1.378 | 9 29/64 | 10 5/8 | 12 11/16 | 2 27/32 | 4 11/32 |
| 3 3/4 | UELT319-312D1W3 | | | | | | | | | | | | |
| 100 | UELT320D1W3 | 48 | 34 | 175 | 115 | 59 | 200 | 35 | 260 | 290 | 345 | 75 | 120 |
| 3 13/16 | UELT320-313D1W3 | | | | | | | | | | | | |
| 3 7/8 | UELT320-314D1W3 | 1 7/8 | 1 11/32 | 6 7/8 | 4 17/32 | 2 5/16 | 7 7/8 | 1.378 | 10 15/64 | 11 13/32 | 13 19/32 | 2 15/16 | 4 23/32 |
| 3 15/16 | UELT320-315D1W3 | | | | | | | | | | | | |
| 4 | UELT320-400D1W3 | | | | | | | | | | | | |
| 105 | UELT321D1W3 | 48 | 34 | 175 | 115 | 59 | 200 | 35 | 260 | 290 | 347 | 75 | 120 |
| 110 | UELT322D1W3 | 52 | 40 | 185 | 125 | 65 | 215 | 38 | 285 | 320 | 385 | 80 | 130 |

| Nominal dimensions mm / inch | | | | Bearing number | Housing number | Mass of unit kg / lb |
|---|---|---|---|---|---|---|
| $r$ | $L_1$ | $B_1$ | $S$ | | | |
| 115 | 183 | 109.5 | 42.05 | UEL317D1W3 | T317D1 | 20 |
| | | | | UEL317-304D1W3 | T317D1 | |
| 4 17/32 | 7 7/32 | 4.311 | 1.656 | UEL317-305D1W3 | T317D1 | 44 |
| | | | | UEL317-307D1W3 | T317D1 | |
| 120 | 192 | 115.9 | 43.65 | UEL318D1W3 | T318D1 | 23 |
| | | | | UEL318-307D1W3 | T318D1 | |
| 4 23/32 | 7 9/16 | 4.563 | 1.719 | UEL318-308D1W3 | T318D1 | 51 |
| 125 | 197 | 122.3 | 38.9 | UEL319D1W3 | T319D1 | 26 |
| | | | | UEL319-310D1W3 | T319D1 | |
| 4 29/32 | 7 3/4 | 4.815 | 1.531 | UEL319-311D1W3 | T319D1 | 57 |
| | | | | UEL319-312D1W3 | T319D1 | |
| 135 | 210 | 128.6 | 50 | UEL320D1W3 | T320D1 | 32 |
| | | | | UEL320-313D1W3 | T320D1 | |
| | | | | UEL320-314D1W3 | T320D1 | |
| 5 5/16 | 8 9/32 | 5.063 | 1.969 | UEL320-315D1W3 | T320D1 | 71 |
| | | | | UEL320-400D1W3 | T320D1 | |
| 135 | 212 | 139.7 | 48.4 | UEL321D1D1W3 | T321D1 | 33 |
| 150 | 235 | 141.3 | 49.2 | UEL322D1D1W3 | T322D1 | 42 |

**Note** (1) These numbers indicate relubricatable type. If maintenance free type is needed, please order without suffix "D1".
**Remarks** Please refer to page **A21** for size of grease fitting.

## Take-up mini stretcher Units™
## Eccentric locking collar type



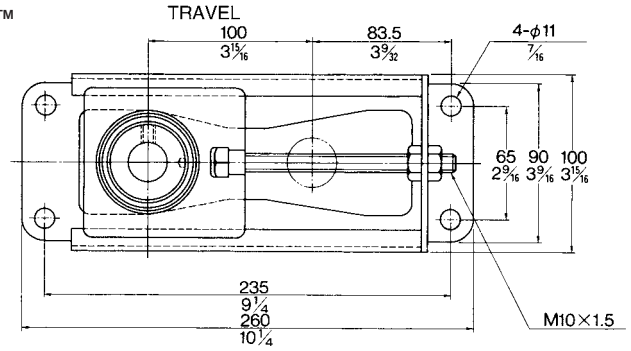



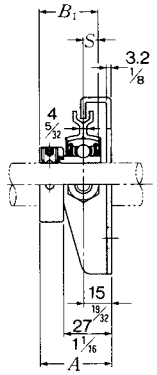

AELPT type

| Shaft dia. mm / inch | Unit number | Nominal dimensions mm / inch A | $B_1$ | S | Bolt size mm / inch | Max. load (1) recommended N / lbf | Bearing number | Mass of unit kg / lb |
|---|---|---|---|---|---|---|---|---|
| 12<br>1/2 | AELPT201-10W3<br>AELPT201-008-10W3 | 37.1<br>1 29/64 | 28.6<br>1.126 | 6.5<br>0.256 | M10<br>3/8 | 3 430<br>770 | AEL201W3<br>AEL201-008W3 | 1.1<br>2.4 |
| 15<br>9/16<br>5/8 | AELPT202-10W3<br>AELPT202-009-10W3<br>AELPT202-010-10W3 | 37.1<br>1 29/64 | 28.6<br>1.126 | 6.5<br>0.256 | M10<br>3/8 | 3 430<br>770 | AEL202W3<br>AEL202-009W3<br>AEL202-010W3 | 1.1<br>2.4 |
| 17<br>11/16 | AELPT203-10W3<br>AELPT203-011-10W3 | 37.1<br>1 29/64 | 28.6<br>1.126 | 6.5<br>0.256 | M10<br>3/8 | 3 430<br>770 | AEL203W3<br>AEL203-011W3 | 1.1<br>2.4 |
| 20<br>3/4 | AELPT204-10W3<br>AELPT204-012-10W3 | 38.5<br>1 33/64 | 31<br>1.220 | 7.5<br>0.295 | M10<br>3/8 | 3 430<br>770 | AEL204W3<br>AEL204-012W3 | 1.1<br>2.4 |
| 25<br>13/16<br>7/8<br>15/16<br>1 | AELPT205-10W3<br>AELPT205-013-10W3<br>AELPT205-014-10W3<br>AELPT205-015-10W3<br>AELPT205-100-10W3 | 38.5<br>1 33/64 | 31<br>1.220 | 7.5<br>0.295 | M10<br>3/8 | 3 430<br>770 | AEL205W3<br>AEL205-013W3<br>AEL205-014W3<br>AEL205-015W3<br>AEL205-100W3 | 1.2<br>2.6 |

**Note** (1) The Stretcher Units is designed to only take a horizontal radial load, in line with the adjustment direction. Axial loads or vertical radial loads can deform or break the housing.

## Take-up mini stretcher Units™
## Eccentric locking collar type



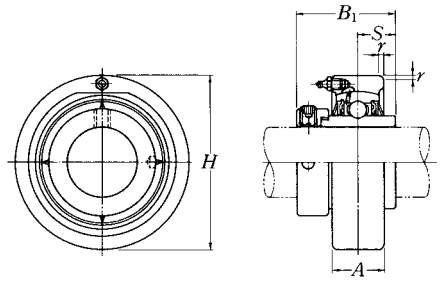

JELPT type

| Shaft dia. mm / inch | Unit number | Nominal dimensions mm / inch A | $B_1$ | S | Bolt size mm / inch | Max. load (1) recommended N / lbf |
|---|---|---|---|---|---|---|
| 12<br>1/2 | JELPT201-10W3<br>JELPT201-008-10W3 | 37.1<br>1 29/64 | 28.6<br>1.126 | 6.5<br>0.256 | M10<br>3/8 | 3 430<br>770 |
| 15<br>9/16<br>5/8 | JELPT202-10W3<br>JELPT202-009-10W3<br>JELPT202-010-10W3 | 37.1<br>1 29/64 | 28.6<br>1.126 | 6.5<br>0.256 | M10<br>3/8 | 3 430<br>770 |
| 17<br>11/16 | JELPT203-10W3<br>JELPT203-011-10W3 | 37.1<br>1 29/64 | 28.6<br>1.126 | 6.5<br>0.256 | M10<br>3/8 | 3 430<br>770 |
| 20<br>3/4 | JELPT204-10W3<br>JELPT204-012-10W3 | 38.5<br>1 33/64 | 31<br>1.220 | 7.5<br>0.295 | M10<br>3/8 | 3 430<br>770 |
| 25<br>13/16<br>7/8<br>15/16<br>1 | JELPT205-10W3<br>JELPT205-013-10W3<br>JELPT205-014-10W3<br>JELPT205-015-10W3<br>JELPT205-100-10W3 | 38.5<br>1 33/64 | 31<br>1.220 | 7.5<br>0.295 | M10<br>3/8 | 3 430<br>770 |

| Bearing number | Mass of unit kg / lb |
|---|---|
| JEL201W3<br>JEL201-008W3 | 1.1<br>2.4 |
| JEL202W3<br>JEL202-009W3<br>JEL202-010W3 | 1.1<br>2.4 |
| JEL203W3<br>JEL203-011W3 | 1.1<br>2.4 |
| JEL204W3<br>JEL204-012W3 | 1.1<br>2.4 |
| JEL205W3<br>JEL205-013W3<br>JEL205-014W3<br>JEL205-015W3<br>JEL205-100W3 | 1.2<br>2.6 |

**Note** (1) The Stretcher Units is designed to only take a horizontal radial load, in line with the adjustment direction. Axial loads or vertical radial loads can deform or break the housing.

## Cartridge unit, cast housing
## Eccentric locking collar type

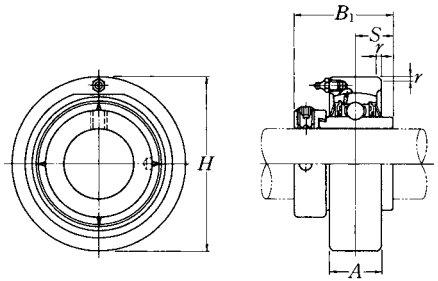



| Shaft dia. mm / inch | Unit number (1) | Nominal dimensions mm / inch $H$ | $A$ | $r$ | $B_1$ | $S$ | Bearing number | Housing number | Mass of unit kg / lb |
|---|---|---|---|---|---|---|---|---|---|
| 20 | **UELC204D1W3** | 72 | 20 | 2 | 43.7 | 17.1 | UEL204D1W3 | C204D1 | 0.6 |
| 3/4 | **UELC204-012D1W3** | 2.8346 | 25/32 | 0.079 | 1.720 | 0.673 | UEL204-012D1W3 | C204D1 | 1.3 |
| 25 | **UELC205D1W3** | 80 | 22 | 2 | 44.4 | 17.45 | UEL205D1W3 | C205D1 | 0.7 |
| 13/16 | **UELC205-013D1W3** | | | | | | UEL205-013D1W3 | C205D1 | |
| 7/8 | **UELC205-014D1W3** | 3.1496 | 55/64 | 0.079 | 1.748 | 0.687 | UEL205-014D1W3 | C205D1 | 1.5 |
| 15/16 | **UELC205-015D1W3** | | | | | | UEL205-015D1W3 | C205D1 | |
| 1 | **UELC205-100D1W3** | | | | | | UEL205-100D1W3 | C205D1 | |
| 30 | **UELC206D1W3** | 85 | 27 | 2 | 48.4 | 18.25 | UEL206D1W3 | C206D1 | 0.9 |
| 1 1/16 | **UELC206-101D1W3** | | | | | | UEL206-101D1W3 | C206D1 | |
| 1 1/8 | **UELC206-102D1W3** | | | | | | UEL206-102D1W3 | C206D1 | |
| 1 3/16 | **UELC206-103D1W3** | 3.3465 | 1 1/16 | 0.079 | 1.906 | 0.719 | UEL206-103D1W3 | C206D1 | 2.0 |
| 1 1/4 | **UELC206-104D1W3** | | | | | | UEL206-104D1W3 | C206D1 | |
| 35 | **UELC207D1W3** | 90 | 28 | 2 | 51.1 | 18.8 | UEL207D1W3 | C207D1 | 1.0 |
| 1 1/4 | **UELC207-104D1W3** | | | | | | UEL207-104D1W3 | C207D1 | |
| 1 5/16 | **UELC207-105D1W3** | | | | | | UEL207-105D1W3 | C207D1 | |
| 1 3/8 | **UELC207-106D1W3** | 3.5433 | 1 7/64 | 0.079 | 2.012 | 0.740 | UEL207-106D1W3 | C207D1 | 2.2 |
| 1 7/16 | **UELC207-107D1W3** | | | | | | UEL207-107D1W3 | C207D1 | |
| 40 | **UELC208D1W3** | 100 | 30 | 2.5 | 56.3 | 21.4 | UEL208D1W3 | C208D1 | 1.4 |
| 1 1/2 | **UELC208-108D1W3** | | | | | | UEL208-108D1W3 | C208D1 | |
| 1 9/16 | **UELC208-109D1W3** | 3.9370 | 1 3/16 | 0.098 | 2.217 | 0.843 | UEL208-109D1W3 | C208D1 | 3.1 |
| 45 | **UELC209D1W3** | 110 | 31 | 2.5 | 56.3 | 21.4 | UEL209D1W3 | C209D1 | 1.6 |
| 1 5/8 | **UELC209-110D1W3** | | | | | | UEL209-110D1W3 | C209D1 | |
| 1 11/16 | **UELC209-111D1W3** | 4.3307 | 1 7/32 | 0.098 | 2.217 | 0.843 | UEL209-111D1W3 | C209D1 | 3.5 |
| 1 3/4 | **UELC209-112D1W3** | | | | | | UEL209-112D1W3 | C209D1 | |

**Note** (1) These numbers indicate relubricatable type. If maintenance free type is needed, please order without suffix "D1".
**Remarks** Please refer to page **A21** for size of grease fitting.



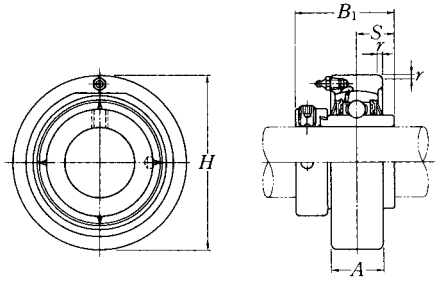





| Shaft dia. mm / inch | Unit number (1) | Nominal dimensions mm / inch $H$ | $A$ | $r$ | $B_1$ | $S$ | Bearing number | Housing number | Mass of unit kg / lb |
|---|---|---|---|---|---|---|---|---|---|
| 50 | **UELC210D1W3** | 120 | 33 | 2.5 | 62.7 | 24.6 | UEL210D1W3 | C210D1 | 2.1 |
| 1 13/16 | **UELC210-113D1W3** | | | | | | UEL210-113D1W3 | C210D1 | |
| 1 7/8 | **UELC210-114D1W3** | | | | | | UEL210-114D1W3 | C210D1 | |
| 1 15/16 | **UELC210-115D1W3** | 4.7244 | 1 19/64 | 0.098 | 2.469 | 0.969 | UEL210-115D1W3 | C210D1 | 4.6 |
| 2 | **UELC210-200D1W3** | | | | | | UEL210-200D1W3 | C210D1 | |
| 55 | **UELC211D1W3** | 125 | 35 | 2.5 | 71.4 | 27.75 | UEL211D1W3 | C211D1 | 2.4 |
| 2 | **UELC211-200D1W3** | | | | | | UEL211-200D1W3 | C211D1 | |
| 2 1/16 | **UELC211-201D1W3** | | | | | | UEL211-201D1W3 | C211D1 | |
| 2 1/8 | **UELC211-202D1W3** | 4.9213 | 1 3/8 | 0.098 | 2.811 | 1.093 | UEL211-202D1W3 | C211D1 | 5.3 |
| 2 3/16 | **UELC211-203D1W3** | | | | | | UEL211-203D1W3 | C211D1 | |
| 60 | **UELC212D1W3** | 130 | 38 | 2.5 | 77.8 | 30.95 | UEL212D1W3 | C212D1 | 2.8 |
| 2 1/4 | **UELC212-204D1W3** | | | | | | UEL212-204D1W3 | C212D1 | |
| 2 5/16 | **UELC212-205D1W3** | | | | | | UEL212-205D1W3 | C212D1 | |
| 2 3/8 | **UELC212-206D1W3** | 5.1181 | 1 1/2 | 0.098 | 3.063 | 1.219 | UEL212-206D1W3 | C212D1 | 6.2 |
| 2 7/16 | **UELC212-207D1W3** | | | | | | UEL212-207D1W3 | C212D1 | |

**Note** (1) These numbers indicate relubricatable type. If maintenance free type is needed, please order without suffix "D1".
**Remarks** Please refer to page **A21** for size of grease fitting.

## Cartridge unit, cast housing
## Eccentric locking collar type

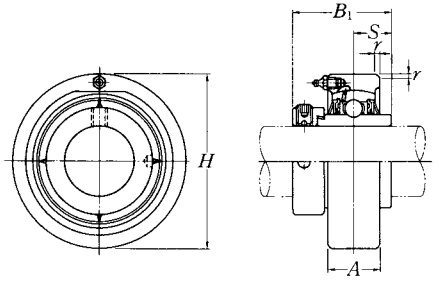



| Shaft dia. mm / inch | Unit number (1) | Nominal dimensions mm / inch $H$ | $A$ | $r$ | $B_1$ | $S$ | Bearing number | Housing number | Mass of unit kg / lb |
|---|---|---|---|---|---|---|---|---|---|
| 25 | **UELC305D1W3** | 90 | 26 | 2.5 | 46.8 | 16.7 | UEL305D1W3 | C305D1 | 1.0 |
| 13/16 | **UELC305-013D1W3** | | | | | | UEL305-013D1W3 | C305D1 | |
| 7/8 | **UELC305-014D1W3** | 3.5433 | 1 1/32 | 0.098 | 1.843 | 0.657 | UEL305-014D1W3 | C305D1 | 2.2 |
| 15/16 | **UELC305-015D1W3** | | | | | | UEL305-015D1W3 | C305D1 | |
| 1 | **UELC305-100D1W3** | | | | | | UEL305-100D1W3 | C305D1 | |
| 30 | **UELC306D1W3** | 100 | 28 | 2.5 | 50 | 17.5 | UEL306D1W3 | C306D1 | 1.4 |
| 1 1/16 | **UELC306-101D1W3** | | | | | | UEL306-101D1W3 | C306D1 | |
| 1 1/8 | **UELC306-102D1W3** | 3.9370 | 1 7/64 | 0.098 | 1.969 | 0.689 | UEL306-102D1W3 | C306D1 | 3.1 |
| 1 3/16 | **UELC306-103D1W3** | | | | | | UEL306-103D1W3 | C306D1 | |
| 35 | **UELC307D1W3** | 110 | 32 | 3 | 51.6 | 18.3 | UEL307D1W3 | C307D1 | 1.8 |
| 1 1/4 | **UELC307-104D1W3** | | | | | | UEL307-104D1W3 | C307D1 | |
| 1 5/16 | **UELC307-105D1W3** | 4.3307 | 1 17/64 | 0.118 | 2.031 | 0.720 | UEL307-105D1W3 | C307D1 | 4.0 |
| 1 3/8 | **UELC307-106D1W3** | | | | | | UEL307-106D1W3 | C307D1 | |
| 1 7/16 | **UELC307-107D1W3** | | | | | | UEL307-107D1W3 | C307D1 | |
| 40 | **UELC308D1W3** | 120 | 34 | 3 | 57.1 | 19.8 | UEL308D1W3 | C308D1 | 2.3 |
| 1 1/2 | **UELC308-108D1W3** | 4.7244 | 1 11/32 | 0.118 | 2.248 | 0.780 | UEL308-108D1W3 | C308D1 | 5.1 |
| 1 9/16 | **UELC308-109D1W3** | | | | | | UEL308-109D1W3 | C308D1 | |
| 45 | **UELC309D1W3** | 130 | 38 | 3.5 | 58.7 | 19.8 | UEL309D1W3 | C309D1 | 2.9 |
| 1 5/8 | **UELC309-110D1W3** | | | | | | UEL309-110D1W3 | C309D1 | |
| 1 11/16 | **UELC309-111D1W3** | 5.1181 | 1 1/2 | 0.138 | 2.311 | 0.780 | UEL309-111D1W3 | C309D1 | 6.4 |
| 1 3/4 | **UELC309-112D1W3** | | | | | | UEL309-112D1W3 | C309D1 | |
| 50 | **UELC310D1W3** | 140 | 40 | 3.5 | 66.6 | 24.6 | UEL310D1W3 | C310D1 | 3.5 |
| 1 13/16 | **UELC310-113D1W3** | | | | | | UEL310-113D1W3 | C310D1 | |
| 1 7/8 | **UELC310-114D1W3** | 5.5118 | 1 37/64 | 0.138 | 2.622 | 0.969 | UEL310-114D1W3 | C310D1 | 7.7 |
| 1 15/16 | **UELC310-115D1W3** | | | | | | UEL310-115D1W3 | C310D1 | |

**Note** (1) These numbers indicate relubricatable type. If maintenance free type is needed, please order without suffix "D1".
**Remarks** Please refer to page **A21** for size of grease fitting.



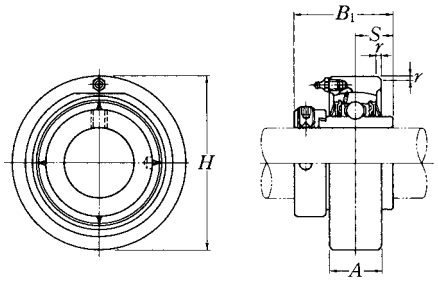
UELC3




| Shaft dia. mm / inch | Unit number (1) | Nominal dimensions mm / inch $H$ | $A$ | $r$ | $B_1$ | $S$ | Bearing number | Housing number | Mass of unit kg / lb |
|---|---|---|---|---|---|---|---|---|---|
| 55 | **UELC311D1W3** | 150 | 44 | 3.5 | 73 | 27.8 | UEL311D1W3 | C311D1 | 4.3 |
| 2 | **UELC311-200D1W3** | | | | | | UEL311-200D1W3 | C311D1 | |
| 2 1/16 | **UELC311-201D1W3** | 5.9055 | 1 47/64 | 0.138 | 2.874 | 1.094 | UEL311-201D1W3 | C311D1 | 9.5 |
| 2 1/8 | **UELC311-202D1W3** | | | | | | UEL311-202D1W3 | C311D1 | |
| 2 3/16 | **UELC311-203D1W3** | | | | | | UEL311-203D1W3 | C311D1 | |
| 60 | **UELC312D1W3** | 160 | 46 | 3.5 | 79.4 | 30.95 | UEL312D1W3 | C312D1 | 5.1 |
| 2 1/4 | **UELC312-204D1W3** | | | | | | UEL312-204D1W3 | C312D1 | |
| 2 5/16 | **UELC312-205D1W3** | 6.2992 | 1 13/16 | 0.138 | 3.126 | 1.219 | UEL312-205D1W3 | C312D1 | 11 |
| 2 3/8 | **UELC312-206D1W3** | | | | | | UEL312-206D1W3 | C312D1 | |
| 2 7/16 | **UELC312-207D1W3** | | | | | | UEL312-207D1W3 | C312D1 | |
| 65 | **UELC313D1W3** | 170 | 50 | 3.5 | 85.7 | 32.55 | UEL313D1W3 | C313D1 | 6.2 |
| 2 1/2 | **UELC313-208D1W3** | 6.6929 | 1 31/32 | 0.138 | 3.374 | 1.281 | UEL313-208D1W3 | C313D1 | 14 |
| 2 9/16 | **UELC313-209D1W3** | | | | | | UEL313-209D1W3 | C313D1 | |
| 70 | **UELC314D1W3** | 180 | 52 | 4 | 92.1 | 34.15 | UEL314D1W3 | C314D1 | 7.3 |
| 2 5/8 | **UELC314-210D1W3** | | | | | | UEL314-210D1W3 | C314D1 | |
| 2 11/16 | **UELC314-211D1W3** | 7.0866 | 2 3/64 | 0.157 | 3.626 | 1.344 | UEL314-211D1W3 | C314D1 | 16 |
| 2 3/4 | **UELC314-212D1W3** | | | | | | UEL314-212D1W3 | C314D1 | |
| 75 | **UELC315D1W3** | 190 | 55 | 4 | 100 | 37.3 | UEL315D1W3 | C315D1 | 8.5 |
| 2 13/16 | **UELC315-213D1W3** | | | | | | UEL315-213D1W3 | C315D1 | |
| 2 7/8 | **UELC315-214D1W3** | 7.4803 | 2 11/64 | 0.157 | 3.937 | 1.469 | UEL315-214D1W3 | C315D1 | 19 |
| 2 15/16 | **UELC315-215D1W3** | | | | | | UEL315-215D1W3 | C315D1 | |
| 3 | **UELC315-300D1W3** | | | | | | UEL315-300D1W3 | C315D1 | |
| 80 | **UELC316D1W3** | 200 | 60 | 4 | 106.4 | 40.5 | UEL316D1W3 | C316D1 | 10 |
| 3 1/16 | **UELC316-301D1W3** | | | | | | UEL316-301D1W3 | C316D1 | |
| 3 1/8 | **UELC316-302D1W3** | 7.8740 | 2 23/64 | 0.157 | 4.189 | 1.594 | UEL316-302D1W3 | C316D1 | 22 |
| 3 3/16 | **UELC316-303D1W3** | | | | | | UEL316-303D1W3 | C316D1 | |

**Note** (1) These numbers indicate relubricatable type. If maintenance free type is needed, please order without suffix "D1".
**Remarks** Please refer to page **A21** for size of grease fitting.

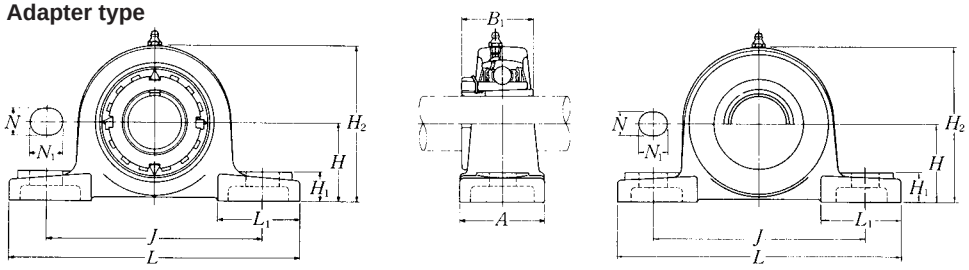
## Cartridge unit, cast housing
## Eccentric locking collar type




| Shaft dia. mm / inch | Unit number (1) | Nominal dimensions mm inch | | | | | Bearing number | Housing number | Mass of unit kg / lb |
|---|---|---|---|---|---|---|---|---|---|
| | | $H$ | $A$ | $r$ | $B_1$ | $S$ | | | |
| 85 | **UELC317D1W3** | 215 | 64 | 4 | 109.5 | 42.05 | UEL317D1W3 | C317D1 | 13 |
| 3 1/4 | **UELC317-304D1W3** | | | | | | UEL317-304D1W3 | C317D1 | |
| 3 5/16 | **UELC317-305D1W3** | 8.4646 | 2 33/64 | 0.157 | 4.311 | 1.656 | UEL317-305D1W3 | C317D1 | 29 |
| 3 7/16 | **UELC317-307D1W3** | | | | | | UEL317-307D1W3 | C317D1 | |
| 90 | **UELC318D1W3** | 225 | 66 | 4 | 115.9 | 43.65 | UEL318D1W3 | C318D1 | 14 |
| 3 7/16 | **UELC318-307D1W3** | 8.8583 | 2 19/32 | 0.157 | 4.563 | 1.719 | UEL318-307D1W3 | C318D1 | 31 |
| 3 1/2 | **UELC318-308D1W3** | | | | | | UEL318-308D1W3 | C318D1 | |
| 95 | **UELC319D1W3** | 240 | 72 | 4 | 122.3 | 38.9 | UEL319D1W3 | C319D1 | 17 |
| 3 5/8 | **UELC319-310D1W3** | | | | | | UEL319-310D1W3 | C319D1 | |
| 3 11/16 | **UELC319-311D1W3** | 9.4488 | 2 53/64 | 0.157 | 4.815 | 1.531 | UEL319-311D1W3 | C319D1 | 37 |
| 3 3/4 | **UELC319-312D1W3** | | | | | | UEL319-312D1W3 | C319D1 | |
| 100 | **UELC320D1W3** | 260 | 75 | 4 | 128.6 | 50 | UEL320D1W3 | C320D1 | 22 |
| 3 13/16 | **UELC320-313D1W3** | | | | | | UEL320-313D1W3 | C320D1 | |
| 3 7/8 | **UELC320-314D1W3** | 10.2362 | 2 61/64 | 0.157 | 5.063 | 1.969 | UEL320-314D1W3 | C320D1 | 49 |
| 3 15/16 | **UELC320-315D1W3** | | | | | | UEL320-315D1W3 | C320D1 | |
| 4 | **UELC320-400D1W3** | | | | | | UEL320-400D1W3 | C320D1 | |
| 105 | **UELC321D1W3** | 260 | 75 | 4 | 139.7 | 48.4 | UEL321D1W3 | C321D1 | 21 |
| 110 | **UELC322D1W3** | 300 | 80 | 5 | 141.3 | 49.2 | UEL322D1W3 | C322D1 | 31 |

**Note** (1) These numbers indicate relubricatable type. If maintenance free type is needed, please order without suffix "D1".
**Remarks** Please refer to page **A21** for size of grease fitting.

## Pillow block unit, cast housing
## Adapter type

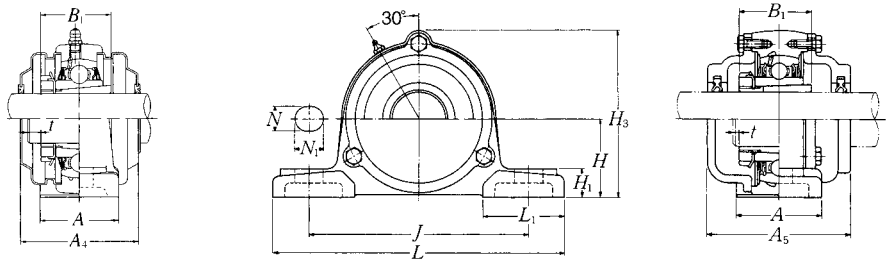



**Pressed steel dust cover type**
Open end **Z-UKP···D1**
Closed end **ZM-UKP···D1**

| Shaft dia. mm / inch | Unit number (1)(2)(3) | Nominal dimensions mm / inch | | | | | | | | | | Bolt size mm / inch | Bearing number |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | H | L | J | A | N | $N_1$ | $H_1$ | $H_2$ | $L_1$ | $B_1$ | | |
| 20 | UKP205D1;H2305X | 36.5 | 140 | 105 | 38 | 13 | 16 | 15 | 71 | 42 | 35 | M10 | UK205D1;H2305X |
| 3/4 | UKP205D1;HE2305 | 1 7/16 | 5 1/2 | 4 1/8 | 1 1/2 | 1/2 | 5/8 | 19/32 | 2 25/32 | 1 21/32 | 1.378 | 3/8 | UK205D1;HE2305 |
| 25 | UKP206D1;H2306X | 42.9 | 165 | 121 | 48 | 17 | 20 | 17 | 83 | 54 | 38 | M14 | UK206D1;H2306X |
| 7/8 | UKP206D1;HS2306 | 1 11/16 | 6 1/2 | 4 3/4 | 1 7/8 | 21/32 | 25/32 | 21/32 | 3 9/32 | 2 1/8 | 1.496 | 1/2 | UK206D1;HS2306 |
| 1 | UKP206D1;HE2306X | | | | | | | | | | | | UK206D1;HE2306X |
| 30 | UKP207D1;H2307X | 47.6 | 167 | 127 | 48 | 17 | 20 | 18 | 93 | 54 | 43 | M14 | UK207D1;H2307X |
| 1 1/8 | UKP207D1;HS2307 | 1 7/8 | 6 9/16 | 5 | 1 7/8 | 21/32 | 25/32 | 23/32 | 3 21/32 | 2 1/8 | 1.693 | 1/2 | UK207D1;HS2307 |
| 35 | UKP208D1;H2308X | 49.2 | 184 | 137 | 54 | 17 | 20 | 18 | 98 | 52 | 46 | M14 | UK208D1;H2308X |
| 1 1/4 | UKP208D1;HE2308X | 1 15/16 | 7 1/4 | 5 13/32 | 2 1/8 | 21/32 | 25/32 | 23/32 | 3 27/32 | 2 1/16 | 1.811 | 1/2 | UK208D1;HE2308X |
| 1 3/8 | UKP208D1;HS2308X | | | | | | | | | | | | UK208D1;HS2308X |
| 40 | UKP209D1;H2309X | 54 | 190 | 146 | 54 | 17 | 20 | 20 | 106 | 60 | 50 | M14 | UK209D1;H2309X |
| 1 7/16 | UKP209D1;HA2309 | | | | | | | | | | | | UK209D1;HA2309 |
| 1 1/2 | UKP209D1;HE2309X | 2 1/8 | 7 15/32 | 5 3/4 | 2 1/8 | 21/32 | 25/32 | 25/32 | 4 3/16 | 2 3/8 | 1.969 | 1/2 | UK209D1;HE2309X |
| 1 5/8 | UKP209D1;HS2309X | | | | | | | | | | | | UK209D1;HS2309X |
| 45 | UKP210D1;H2310X | 57.2 | 206 | 159 | 60 | 20 | 23 | 21 | 114 | 65 | 55 | M16 | UK210D1;H2310X |
| 1 5/8 | UKP210D1;HS2310 | | | | | | | | | | | | UK210D1;HS2310 |
| 1 11/16 | UKP210D1;HA2310 | 2 1/4 | 8 1/8 | 6 1/4 | 2 3/8 | 25/32 | 29/32 | 13/16 | 4 1/2 | 2 9/16 | 2.165 | 5/8 | UK210D1;HA2310 |
| 1 3/4 | UKP210D1;HE2310X | | | | | | | | | | | | UK210D1;HE2310X |
| 50 | UKP211D1;H2311X | 63.5 | 219 | 171 | 60 | 20 | 23 | 23 | 126 | 65 | 59 | M16 | UK211D1;H2311X |
| 1 7/8 | UKP211D1;HS2311 | | | | | | | | | | | | UK211D1;HS2311 |
| 1 15/16 | UKP211D1;HA2311 | 2 1/2 | 8 5/8 | 6 23/32 | 2 3/8 | 25/32 | 29/32 | 29/32 | 4 31/32 | 2 9/16 | 2.323 | 5/8 | UK211D1;HA2311 |
| 2 | UKP211D1;HE2311XY | | | | | | | | | | | | UK211D1;HE2311XY |
| 55 | UKP212D1;H2312X | 69.8 | 241 | 184 | 70 | 20 | 23 | 25 | 138 | 70 | 62 | M16 | UK212D1;H2312X |
| 2 1/8 | UKP212D1;HS2312 | 2 3/4 | 9 1/2 | 7 1/4 | 2 3/4 | 25/32 | 29/32 | 31/32 | 5 7/16 | 2 3/4 | 2.441 | 5/8 | UK212D1;HS2312 |

**Notes** (1) These numbers indicate relubricatable type. If maintenance free type is needed, please order without suffix "D1".
(2) Adapter number with suffix "X" means a narrow slot type adapter sleeve.
In this case the lock washer with the straight inner prong should be used.
(2) For HE2311XY, screw thread pitch different from the standard is applied, because of the thin thread section of sleeve.
To distinguish it, a suffix "Y" is added.
**Remarks** Please refer to page **A21** for size of grease fitting.

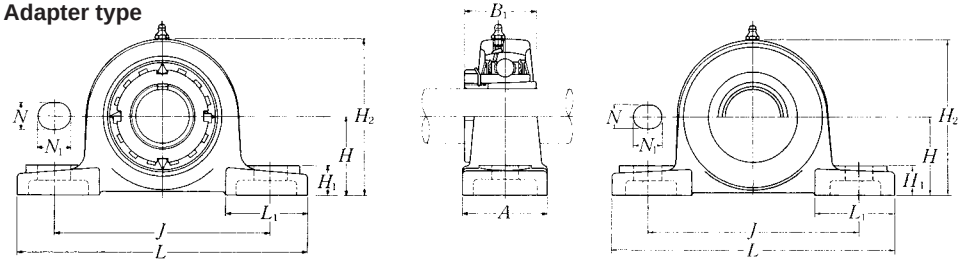





**Cast dust cover type**
Open end **C-UKP···D1**
Closed end **CM-UKP···D1**

| Housing number | Unit number pressed steel dust cover type | Unit number cast dust cover type | Nominal dimensions mm / inch | | | | Mass of unit kg / lb | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | t max. | $A_4$ | $H_3$ | $A_5$ | UKP | Z(ZM) | C(CM) |
| P205D1 | Z(ZM)-UKP205D1;H2305X | C(CM)-UKP205D1;H2305X | 2 | 48 | 76 | 70 | 0.8 | 0.9 | 1.2 |
| P205D1 | Z(ZM)-UKP205ED1;HE2305 | C(CM)-UKP205ED1;HE2305 | 5/64 | 1 29/32 | 3 | 2 3/4 | 1.8 | 2.0 | 2.6 |
| P206D1 | Z(ZM)-UKP206D1;H2306X | C(CM)-UKP206D1;H2306X | 2 | 53 | 88 | 75 | 1.4 | 1.5 | 1.8 |
| P206D1 | Z(ZM)-UKP206SD1;HS2306 | C(CM)-UKP206SD1;HS2306 | 5/64 | 2 3/32 | 3 15/32 | 2 15/16 | 3.1 | 3.3 | 4.0 |
| P206D1 | Z(ZM)-UKP206ED1;HE2306X | C(CM)-UKP206ED1;HE2306X | | | | | | | |
| P207D1 | Z(ZM)-UKP207D1;H2307X | C(CM)-UKP207D1;H2307X | 3 | 60 | 99 | 80 | 1.7 | 1.8 | 2.1 |
| P207D1 | Z(ZM)-UKP207SD1;HS2307 | C(CM)-UKP207SD1;HS2307 | 1/8 | 2 3/8 | 3 29/32 | 3 5/32 | 3.7 | 4.0 | 4.6 |
| P208D1 | Z(ZM)-UKP208D1;H2308X | C(CM)-UKP208D1;H2308X | 3 | 69 | 105 | 90 | 2.0 | 2.2 | 2.8 |
| P208D1 | Z(ZM)-UKP208ED1;HE2308X | C(CM)-UKP208ED1;HE2308X | 1/8 | 2 23/32 | 4 1/8 | 3 11/32 | 4.4 | 4.9 | 6.2 |
| P208D1 | Z(ZM)-UKP208SD1;HS2308X | C(CM)-UKP208SD1;HS2308X | | | | | | | |
| P209D1 | Z(ZM)-UKP209D1;H2309X | C(CM)-UKP209D1;H2309X | 3 | 69 | 113 | 95 | 2.3 | 2.5 | 3.3 |
| P209D1 | Z(ZM)-UKP209AD1;HA2309 | C(CM)-UKP209AD1;HA2309 | | | | | | | |
| P209D1 | Z(ZM)-UKP209ED1;HE2309X | C(CM)-UKP209ED1;HE2309X | 1/8 | 2 23/32 | 4 7/16 | 3 3/4 | 5.1 | 5.5 | 7.3 |
| P209D1 | Z(ZM)-UKP209SD1;HS2309X | C(CM)-UKP209SD1;HS2309X | | | | | | | |
| P210D1 | Z(ZM)-UKP210D1;H2310X | C(CM)-UKP210D1;H2310X | 3 | 76 | 119 | 100 | 2.9 | 3.0 | 3.9 |
| P210D1 | Z(ZM)-UKP210SD1;HS2310 | C(CM)-UKP210SD1;HS2310 | | | | | | | |
| P210D1 | Z(ZM)-UKP210AD1;HA2310 | C(CM)-UKP210AD1;HA2310 | 1/8 | 3 | 4 11/16 | 3 15/16 | 6.4 | 6.6 | 8.6 |
| P210D1 | Z(ZM)-UKP210ED1;HE2310X | C(CM)-UKP210ED1;HE2310X | | | | | | | |
| P211D1 | Z(ZM)-UKP211D1;H2311X | C(CM)-UKP211D1;H2311X | 4 | 77 | 130 | 100 | 3.6 | 3.7 | 4.8 |
| P211D1 | Z(ZM)-UKP211SD1;HS2311 | C(CM)-UKP211SD1;HS2311 | | | | | | | |
| P211D1 | Z(ZM)-UKP211AD1;HA2311 | C(CM)-UKP211AD1;HA2311 | 5/32 | 3 1/32 | 5 1/8 | 3 15/16 | 7.9 | 8.2 | 11 |
| P211D1 | Z(ZM)-UKP211ED1;HE2311XY | C(CM)-UKP211ED1;HE2311XY | | | | | | | |
| P212D1 | Z(ZM)-UKP212D1;H2312X | C(CM)-UKP212D1;H2312X | 4 | 89 | 143 | 115 | 4.7 | 5.1 | 6.2 |
| P212D1 | Z(ZM)-UKP212SD1;HS2312 | C(CM)-UKP212SD1;HS2312 | 5/32 | 3 1/2 | 5 5/8 | 4 17/32 | 10 | 11 | 14 |

## Pillow block unit, cast housing
## Adapter type

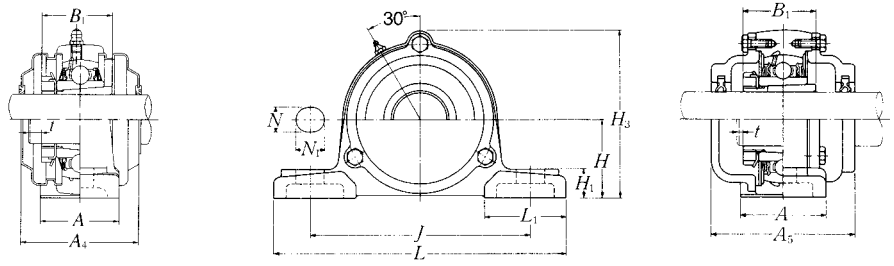



**Pressed steel dust cover type**
Open end **Z-UKP···D1**
Closed end **ZM-UKP···D1**

| Shaft dia. mm / inch | Unit number (1)(2) | Nominal dimensions mm / inch: H | L | J | A | N | $N_1$ | $H_1$ | $H_2$ | $L_1$ | $B_1$ | Bolt size mm / inch | Bearing number |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 60 | UKP213D1;H2313X | 76.2 | 265 | 203 | 70 | 25 | 28 | 27 | 151 | 77 | 65 | M20 | UK213D1;H2313X |
| $2\frac{3}{16}$ | UKP213D1;HA2313 | | | | | | | | | | | | UK213D1;HA2313 |
| $2\frac{1}{4}$ | UKP213D1;HE2313X | 3 | $10\frac{7}{16}$ | 8 | $2\frac{3}{4}$ | $\frac{31}{32}$ | $1\frac{3}{32}$ | $1\frac{1}{16}$ | $5\frac{15}{16}$ | $3\frac{1}{32}$ | 2.559 | $\frac{3}{4}$ | UK213D1;HE2313X |
| $2\frac{3}{8}$ | UKP213D1;HS2313X | | | | | | | | | | | | UK213D1;HS2313X |
| 65 | UKP215D1;H2315X | 82.6 | 275 | 217 | 74 | 25 | 28 | 28 | 163 | 80 | 73 | M20 | UK215D1;H2315X |
| $2\frac{7}{16}$ | UKP215D1;HA2315 | $3\frac{1}{4}$ | $10\frac{13}{16}$ | $8\frac{17}{32}$ | $2\frac{29}{32}$ | $\frac{31}{32}$ | $1\frac{3}{32}$ | $1\frac{3}{32}$ | $6\frac{13}{32}$ | $3\frac{5}{32}$ | 2.874 | $\frac{3}{4}$ | UK215D1;HA2315 |
| $2\frac{1}{2}$ | UKP215D1;HE2315X | | | | | | | | | | | | UK215D1;HE2315X |
| 70 | UKP216D1;H2316X | 88.9 | 292 | 232 | 78 | 25 | 28 | 30 | 175 | 85 | 78 | M20 | UK216D1;H2316X |
| $2\frac{11}{16}$ | UKP216D1;HA2316 | $3\frac{1}{2}$ | $11\frac{1}{2}$ | $9\frac{1}{8}$ | $3\frac{1}{16}$ | $\frac{31}{32}$ | $1\frac{3}{32}$ | $1\frac{3}{16}$ | $6\frac{7}{8}$ | $3\frac{11}{32}$ | 3.071 | $\frac{3}{4}$ | UK216D1;HA2316 |
| $2\frac{3}{4}$ | UKP216D1;HE2316X | | | | | | | | | | | | UK216D1;HE2316X |
| 75 | UKP217D1;H2317X | 95.2 | 310 | 247 | 83 | 25 | 28 | 32 | 187 | 85 | 82 | M20 | UK217D1;H2317X |
| $2\frac{15}{16}$ | UKP217D1;HA2317X | $3\frac{3}{4}$ | $12\frac{7}{32}$ | $9\frac{23}{32}$ | $3\frac{9}{32}$ | $\frac{31}{32}$ | $1\frac{3}{32}$ | $1\frac{1}{4}$ | $7\frac{3}{8}$ | $3\frac{11}{32}$ | 3.228 | $\frac{3}{4}$ | UK217D1;HA2317X |
| 3 | UKP217D1;HE2317X | | | | | | | | | | | | UK217D1;HE2317X |
| 80 | UKP218D1;H2318X | 101.6 | 327 | 262 | 88 | 27 | 30 | 33 | 200 | 90 | 86 | M22 | UK218D1;H2318X |
| $3\frac{3}{16}$ | UKP218D1;HA2318X | 4 | $12\frac{7}{8}$ | $10\frac{5}{16}$ | $3\frac{15}{32}$ | $1\frac{1}{16}$ | $1\frac{3}{16}$ | $1\frac{5}{16}$ | $7\frac{7}{8}$ | $3\frac{17}{32}$ | 3.386 | $\frac{7}{8}$ | UK218D1;HA2318X |

**Notes** (1) These numbers indicate relubricatable type. If maintenance free type is needed, please order without suffix "D1".
(2) Adapter number with suffix "X" means a narrow slot type adapter sleeve. In this case the lock washer with the straight inner prong should be used.
**Remarks** Please refer to page **A21** for size of grease fitting.

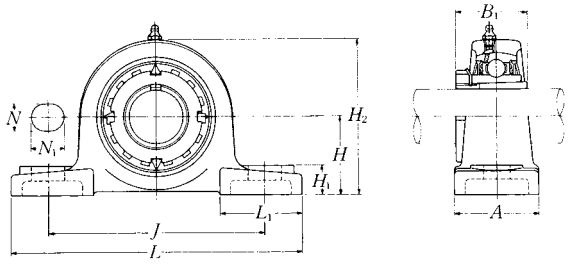





**Cast dust cover type**
Open end **C-UKP···D1**
Closed end **CM-UKP···D1**

| Housing number | Unit number pressed steel dust cover type | Unit number cast dust cover type | Nominal dimensions mm / inch: t max. | $A_4$ | $H_3$ | $A_5$ | Mass of unit kg / lb: UKP | Z(ZM) | C(CM) |
|---|---|---|---|---|---|---|---|---|---|
| P213D1 | Z(ZM)-UKP213D1;H2313X | C(CM)-UKP213D1;H2313X | 4 | 91 | 155 | 120 | 5.7 | 5.9 | 7.6 |
| P213D1 | Z(ZM)-UKP213AD1;HA2313 | C(CM)-UKP213AD1;HA2313 | | | | | | | |
| P213D1 | Z(ZM)-UKP213ED1;HE2313X | C(CM)-UKP213ED1;HE2313X | $\frac{5}{32}$ | $3\frac{19}{32}$ | $6\frac{3}{32}$ | $4\frac{23}{32}$ | 13 | 13 | 17 |
| P213D1 | Z(ZM)-UKP213SD1;HS2313X | C(CM)-UKP213SD1;HS2313X | | | | | | | |
| P215D1 | – | C(CM)-UKP215D1;H2315X | 4 | – | 168 | 135 | 7.5 | – | 10 |
| P215D1 | – | C(CM)-UKP215AD1;HA2315 | $\frac{5}{32}$ | – | $6\frac{5}{8}$ | $5\frac{5}{16}$ | 17 | – | 22 |
| P215D1 | | C(CM)-UKP215ED1;HE2315X | | | | | | | |
| P216D1 | – | C(CM)-UKP216D1;H2316X | 4 | – | 181 | 145 | 9.2 | – | 12 |
| P216D1 | – | C(CM)-UKP216AD1;HA2316 | $\frac{5}{32}$ | – | $7\frac{1}{8}$ | $5\frac{23}{32}$ | 20 | – | 26 |
| P216D1 | | C(CM)-UKP216ED1;HE2316X | | | | | | | |
| P217D1 | – | C(CM)-UKP217D1;H2317X | 5 | – | 191 | 155 | 11 | – | 14 |
| P217D1 | – | C(CM)-UKP217AD1;HA2317X | $\frac{13}{64}$ | – | $7\frac{17}{32}$ | $6\frac{3}{32}$ | 24 | – | 31 |
| P217D1 | | C(CM)-UKP217ED1;HE2317X | | | | | | | |
| P218D1 | – | C(CM)-UKP218D1;H2318X | 5 | – | 204 | 165 | 13 | – | 16 |
| P218D1 | – | C(CM)-UKP218AD1;HA2318X | $\frac{13}{64}$ | – | $8\frac{1}{32}$ | $6\frac{1}{2}$ | 29 | – | 35 |

## Pillow block unit, cast housing
## Adapter type

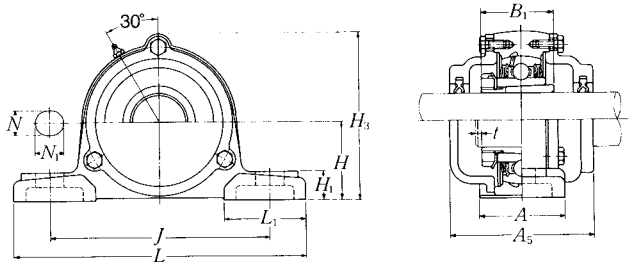



| Shaft dia. mm / inch | Unit number (1)(2)(3) | Nominal dimensions mm / inch H | L | J | A | N | $N_1$ | $H_1$ | $H_2$ | $L_1$ | $B_1$ | Bolt size mm / inch |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 20 | UKP305D1;H2305X | 45 | 175 | 132 | 45 | 17 | 20 | 15 | 85 | 54 | 35 | M14 |
| 3/4 | UKP305D1;HE2305 | 1 49/64 | 6 7/8 | 5 3/16 | 1 25/32 | 21/32 | 25/32 | 19/32 | 3 11/32 | 2 1/8 | 1.378 | 1/2 |
| 25 | UKP306D1;H2306X | 50 | 180 | 140 | 50 | 17 | 20 | 18 | 95 | 54 | 38 | M14 |
| 7/8 | UKP306D1;HS2306 | 1 31/32 | 7 3/32 | 5 1/2 | 1 31/32 | 21/32 | 25/32 | 23/32 | 3 3/4 | 2 1/8 | 1.496 | 1/2 |
| 1 | UKP306D1;HE2306X | | | | | | | | | | | |
| 30 | UKP307D1;H2307X | 56 | 210 | 160 | 56 | 17 | 25 | 20 | 106 | 60 | 43 | M14 |
| 1 1/8 | UKP307D1;HS2307 | 2 13/64 | 8 9/32 | 6 5/16 | 2 7/32 | 21/32 | 31/32 | 25/32 | 4 3/16 | 2 3/8 | 1.693 | 1/2 |
| 35 | UKP308D1;H2308X | 60 | 220 | 170 | 60 | 17 | 27 | 22 | 116 | 60 | 46 | M14 |
| 1 1/4 | UKP308D1;HE2308X | 2 23/64 | 8 21/32 | 6 11/16 | 2 3/8 | 21/32 | 1 1/16 | 7/8 | 4 9/16 | 2 3/8 | 1.811 | 1/2 |
| 1 3/8 | UKP308D1;HS2308X | | | | | | | | | | | |
| 40 | UKP309D1;H2309X | 67 | 245 | 190 | 67 | 20 | 30 | 24 | 129 | 65 | 50 | M16 |
| 1 7/16 | UKP309D1;HA2309 | | | | | | | | | | | |
| 1 1/2 | UKP309D1;HE2309X | 2 41/64 | 9 21/32 | 7 15/32 | 2 5/8 | 25/32 | 1 3/16 | 15/16 | 5 3/32 | 2 9/16 | 1.969 | 5/8 |
| 1 5/8 | UKP309D1;HS2309X | | | | | | | | | | | |
| 45 | UKP310D1;H2310X | 75 | 275 | 212 | 75 | 20 | 35 | 27 | 143 | 75 | 55 | M16 |
| 1 5/8 | UKP310D1;HS2310 | | | | | | | | | | | |
| 1 11/16 | UKP310D1;HA2310 | 2 61/64 | 10 13/16 | 8 11/32 | 2 15/16 | 25/32 | 1 3/8 | 1 1/16 | 5 5/8 | 2 15/16 | 2.165 | 5/8 |
| 1 3/4 | UKP310D1;HE2310X | | | | | | | | | | | |
| 50 | UKP311D1;H2311X | 80 | 310 | 236 | 80 | 20 | 38 | 30 | 154 | 85 | 59 | M16 |
| 1 7/8 | UKP311D1;HS2311 | | | | | | | | | | | |
| 1 15/16 | UKP311D1;HA2311 | 3 5/32 | 12 7/32 | 9 9/32 | 3 5/32 | 25/32 | 1 1/2 | 1 3/16 | 6 1/16 | 3 11/32 | 2.323 | 5/8 |
| 2 | UKP311D1;HE2311XY | | | | | | | | | | | |
| 55 | UKP312D1;H2312X | 85 | 330 | 250 | 85 | 25 | 38 | 32 | 165 | 95 | 62 | M20 |
| 2 1/8 | UKP312D1;HS2312 | 3 11/32 | 13 | 9 27/32 | 3 11/32 | 31/32 | 1 1/2 | 1 1/4 | 6 1/2 | 3 3/4 | 2.441 | 3/4 |

**Notes** (1) These numbers indicate relubricatable type. If maintenance free type is needed, please order without suffix "D1".
(2) Adapter number with suffix "X" means a narrow slot type adapter sleeve.
In this case the lock washer with the straight inner prong should be used.
(3) For HE2311XY, screw thread pitch different from the standard is applied, because of the thin thread section of sleeve.
To distinguish it, a suffix "Y" is added.

**Remarks** Please refer to page **A21** for size of grease fitting.

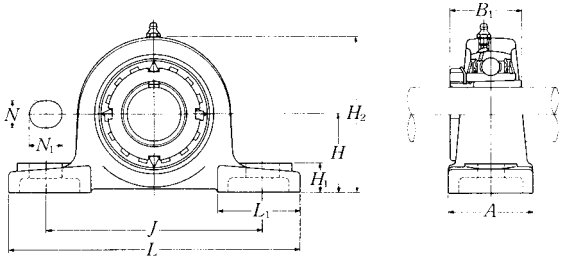





**Cast dust cover type**
Open end **C-UKP···D1**
Closed end **CM-UKP···D1**

| Bearing number | Housing number | Unit number cast dust cover type | Nominal dimensions mm / inch t max. | $H_3$ | $A_5$ | Mass of unit kg / lb UKP | C(CM) |
|---|---|---|---|---|---|---|---|
| UK305D1;H2305X | P305D1 | C(CM)-UKP305D1;H2305X | 2 | 91 | 80 | 1.4 | 1.9 |
| UK305D1;HE2305 | P305D1 | C(CM)-UKP305ED1;HE2305 | 5/64 | 3 19/32 | 3 5/32 | 3.1 | 4.2 |
| UK306D1;H2306X | P306D1 | C(CM)-UKP306D1;H2306X | 2 | 105 | 85 | 1.8 | 2.6 |
| UK306D1;HS2306 | P306D1 | C(CM)-UKP306SD1;HS2306 | 5/64 | 4 1/8 | 3 11/32 | 4.0 | 5.7 |
| UK306D1;HE2306X | P306D1 | C(CM)-UKP306ED1;HE2306X | | | | | |
| UK307D1;H2307X | P307D1 | C(CM)-UKP307D1;H2307X | 3 | 115 | 95 | 2.6 | 3.3 |
| UK307D1;HS2307 | P307D1 | C(CM)-UKP307SD1;HS2307 | 1/8 | 4 17/32 | 3 3/4 | 5.7 | 7.3 |
| UK308D1;H2308X | P308D1 | C(CM)-UKP308D1;H2308X | 3 | 125 | 105 | 3.1 | 4.2 |
| UK308D1;HE2308X | P308D1 | C(CM)-UKP308ED1;HE2308X | 1/8 | 4 29/32 | 4 1/8 | 6.8 | 9.3 |
| UK308D1;HS2308X | P308D1 | C(CM)-UKP308SD1;HS2308X | | | | | |
| UK309D1;H2309X | P309D1 | C(CM)-UKP309D1;H2309X | 3 | 140 | 110 | 4.1 | 5.6 |
| UK309D1;HA2309 | P309D1 | C(CM)-UKP309AD1;HA2309 | | | | | |
| UK309D1;HE2309X | P309D1 | C(CM)-UKP309ED1;HE2309X | 1/8 | 5 1/2 | 4 11/32 | 9.0 | 12 |
| UK309D1;HS2309X | P309D1 | C(CM)-UKP309SD1;HS2309X | | | | | |
| UK310D1;H2310X | P310D1 | C(CM)-UKP310D1;H2310X | 3 | 156 | 120 | 5.6 | 7.2 |
| UK310D1;HS2310 | P310D1 | C(CM)-UKP310SD1;HS2310 | | | | | |
| UK310D1;HA2310 | P310D1 | C(CM)-UKP310AD1;HA2310 | 1/8 | 6 5/32 | 4 23/32 | 12 | 16 |
| UK310D1;HE2310X | P310D1 | C(CM)-UKP310ED1;HE2310X | | | | | |
| UK311D1;H2311X | P311D1 | C(CM)-UKP311D1;H2311X | 4 | 166 | 125 | 7.3 | 9.0 |
| UK311D1;HS2311 | P311D1 | C(CM)-UKP311SD1;HS2311 | | | | | |
| UK311D1;HA2311 | P311D1 | C(CM)-UKP311AD1;HA2311 | 5/32 | 6 17/32 | 4 29/32 | 16 | 20 |
| UK311D1;HE2311XY | P311D1 | C(CM)-UKP311ED1;HE2311XY | | | | | |
| UK312D1;H2312X | P312D1 | C(CM)-UKP312D1;H2312X | 4 | 179 | 135 | 9.3 | 11 |
| UK312D1;HS2312 | P312D1 | C(CM)-UKP312SD1;HS2312 | 5/32 | 7 1/16 | 5 5/16 | 21 | 24 |

## Pillow block unit, cast housing
## Adapter type

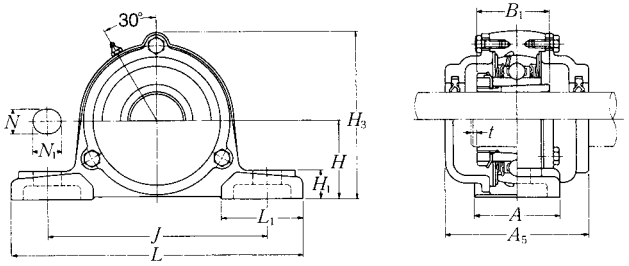



| Shaft dia. mm / inch | Unit number (1)(2) | Nominal dimensions mm / inch | | | | | | | | | | Bolt size mm / inch |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | H | L | J | A | N | $N_1$ | $H_1$ | $H_2$ | $L_1$ | $B_1$ | |
| 60 | UKP313D1;H2313X | 90 | 340 | 260 | 90 | 25 | 38 | 33 | 176 | 105 | 65 | M20 |
| 2 3/16 | UKP313D1;HA2313 | | | | | | | | | | | |
| 2 1/4 | UKP313D1;HE2313X | 3 35/64 | 13 3/8 | 10 1/4 | 3 17/32 | 31/32 | 1 1/2 | 1 5/16 | 6 15/16 | 4 1/8 | 2.559 | 3/4 |
| 2 3/8 | UKP313D1;HS2313X | | | | | | | | | | | |
| 65 | UKP315D1;H2315X | 100 | 380 | 290 | 100 | 27 | 40 | 35 | 198 | 110 | 73 | M22 |
| 2 7/16 | UKP315D1;HA2315 | 3 15/16 | 14 31/32 | 11 13/32 | 3 15/16 | 1 1/16 | 1 9/16 | 1 3/8 | 7 25/32 | 4 11/32 | 2.874 | 7/8 |
| 2 1/2 | UKP315D1;HE2315X | | | | | | | | | | | |
| 70 | UKP316D1;H2316X | 106 | 400 | 300 | 110 | 27 | 40 | 40 | 210 | 110 | 78 | M22 |
| 2 11/16 | UKP316D1;HA2316 | 4 11/64 | 15 3/4 | 11 13/16 | 4 11/32 | 1 1/16 | 1 9/16 | 1 9/16 | 8 9/32 | 4 11/32 | 3.071 | 7/8 |
| 2 3/4 | UKP316D1;HE2316X | | | | | | | | | | | |
| 75 | UKP317D1;H2317X | 112 | 420 | 320 | 110 | 33 | 45 | 40 | 220 | 120 | 82 | M27 |
| 2 15/16 | UKP317D1;HA2317X | 4 13/32 | 16 17/32 | 12 19/32 | 4 11/32 | 1 5/16 | 1 25/32 | 1 9/16 | 8 21/32 | 4 23/32 | 3.228 | 1 |
| 3 | UKP317D1;HE2317X | | | | | | | | | | | |
| 80 | UKP318D1;H2318X | 118 | 430 | 330 | 110 | 33 | 45 | 45 | 235 | 120 | 86 | M27 |
| 3 3/16 | UKP318D1;HA2318X | 4 41/64 | 16 15/16 | 13 | 4 11/32 | 1 5/16 | 1 25/32 | 1 25/32 | 9 1/4 | 4 23/32 | 3.386 | 1 |
| 85 | UKP319D1;H2319X | 125 | 470 | 360 | 120 | 35 | 50 | 45 | 250 | 125 | 90 | M30 |
| 3 1/4 | UKP319D1;HE2319X | 4 59/64 | 18 1/2 | 14 3/16 | 4 23/32 | 1 13/32 | 1 31/32 | 1 25/32 | 9 27/32 | 4 29/32 | 3.543 | 1 1/8 |
| 90 | UKP320D1;H2320X | 140 | 490 | 380 | 120 | 36 | 50 | 50 | 275 | 130 | 97 | M30 |
| 3 7/16 | UKP320D1;HA2320 | 5 33/64 | 19 9/32 | 14 31/32 | 4 23/32 | 1 13/32 | 1 31/32 | 1 31/32 | 10 13/16 | 5 1/8 | 3.819 | 1 1/8 |
| 3 1/2 | UKP320D1;HE2320X | | | | | | | | | | | |
| 100 | UKP322D1;H2322X | 150 | 520 | 400 | 140 | 40 | 55 | 55 | 300 | 135 | 105 | M33 |
| 110 | UKP324D1;H2324X | 160 | 570 | 450 | 140 | 40 | 55 | 65 | 320 | 140 | 112 | M33 |
| 115 | UKP326D1;H2326 | 180 | 600 | 480 | 140 | 40 | 55 | 75 | 355 | 140 | 121 | M33 |
| 125 | UKP328D1;H2328 | 200 | 620 | 500 | 140 | 40 | 55 | 75 | 390 | 140 | 131 | M33 |

**Notes** (1) These numbers indicate relubricatable type. If maintenance free type is needed, please order without suffix "D1".
(2) Adapter number with suffix "X" means a narrow slot type adapter sleeve.
In this case the lock washer with the straight inner prong should be used.

**Remarks** Please refer to page **A21** for size of grease fitting.

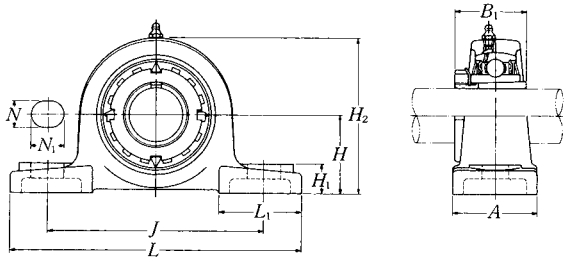





**Cast dust cover type**
Open end **C-UKP···D1**
Closed end **CM-UKP···D1**

| Bearing number | Housing number | Unit number cast dust cover type | Nominal dimensions mm / inch | | | Mass of unit kg / lb | |
|---|---|---|---|---|---|---|---|
| | | | t max. | $H_3$ | $A_5$ | UKP | C(CM) |
| UK313D1;H2313X | P313D1 | C(CM)-UKP313D1;H2313X | 4 | 190 | 140 | 10 | 12 |
| UK313D1;HA2313 | P313D1 | C(CM)-UKP313AD1;HA2313 | | | | | |
| UK313D1;HE2313X | P313D1 | C(CM)-UKP313ED1;HE2313X | 5/32 | 7 15/32 | 5 1/2 | 22 | 26 |
| UK313D1;HS2313X | P313D1 | C(CM)-UKP313SD1;HS2313X | | | | | |
| UK315D1;H2315X | P315D1 | C(CM)-UKP315D1;H2315X | 4 | 210 | 150 | 14 | 18 |
| UK315D1;HA2315 | P315D1 | C(CM)-UKP315AD1;HA2315 | 5/32 | 8 9/32 | 5 29/32 | 31 | 40 |
| UK315D1;HE2315X | P315D1 | C(CM)-UKP315ED1;HE2315X | | | | | |
| UK316D1;H2316X | P316D1 | C(CM)-UKP316D1;H2316X | 4 | 221 | 155 | 17 | 21 |
| UK316D1;HA2316 | P316D1 | C(CM)-UKP316AD1;HA2316 | 5/32 | 8 11/16 | 6 3/32 | 37 | 46 |
| UK316D1;HE2316X | P316D1 | C(CM)-UKP316ED1;HE2316X | | | | | |
| UK317D1;H2317X | P317D1 | C(CM)-UKP317D1;H2317X | 5 | 235 | 170 | 19 | 24 |
| UK317D1;HA2317X | P317D1 | C(CM)-UKP317AD1;HA2317X | 13/64 | 9 1/4 | 6 11/16 | 42 | 53 |
| UK317D1;HE2317X | P317D1 | C(CM)-UKP317ED1;HE2317X | | | | | |
| UK318D1;H2318X | P318D1 | C(CM)-UKP318D1;H2318X | 5 | 246 | 170 | 22 | 28 |
| UK318D1;HA2318X | P318D1 | C(CM)-UKP318AD1;HA2318X | 13/64 | 9 11/16 | 6 11/16 | 49 | 62 |
| UK319D1;H2319X | P319D1 | C(CM)-UKP319D1;H2319X | 5 | 258 | 180 | 27 | 33 |
| UK319D1;HE2319X | P319D1 | C(CM)-UKP319ED1;HE2319X | 13/64 | 10 5/32 | 7 3/32 | 60 | 73 |
| UK320D1;H2320X | P320D1 | C(CM)-UKP320D1;H2320X | 5 | 283 | 190 | 33 | 40 |
| UK320D1;HA2320 | P320D1 | C(CM)-UKP320AD1;HA2320 | | | | | |
| UK320D1;HE2320X | P320D1 | C(CM)-UKP320ED1;HE2320X | 13/64 | 11 5/32 | 7 15/32 | 73 | 88 |
| UK322D1;H2322X | P322D1 | C(CM)-UKP322D1;H2322X | 5 | 313 | 200 | 43 | 53 |
| UK324D1;H2324X | P324D1 | C(CM)-UKP324D1;H2324X | 5 | 335 | 215 | 50 | 67 |
| UK326D1;H2326 | P326D1 | C(CM)-UKP326D1;H2326 | 6 | 375 | 225 | 69 | 86 |
| UK328D1;H2328 | P328D1 | C(CM)-UKP328D1;H2328 | 6 | 407 | 235 | 84 | 101 |

## Pillow block unit, cast housing
## Adapter type

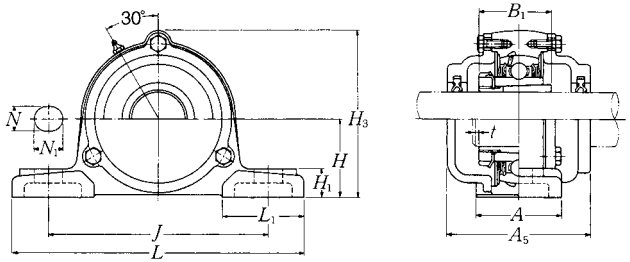



| Shaft dia. mm / inch | Unit number (1)(2)(3) | Nominal dimensions mm / inch H | L | J | A | N | $N_1$ | $H_1$ | $H_2$ | $L_1$ | $B_1$ | Bolt size mm / inch |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 20 | **UKPX05D1;H2305X** | 44.4 | 159 | 119 | 51 | 17 | 20 | 18 | 85 | 50 | 35 | M14 |
| 3/4 | **UKPX05D1;HE2305** | 1 3/4 | 6 1/4 | 4 11/16 | 2 | 21/32 | 25/32 | 23/32 | 3 11/32 | 1 31/32 | 1.378 | 1/2 |
| 25 | **UKPX06D1;H2306X** | 47.6 | 175 | 127 | 57 | 17 | 20 | 20 | 93 | 54 | 38 | M14 |
| 7/8 | **UKPX06D1;HS2306** | 1 7/8 | 6 7/8 | 5 | 2 1/4 | 21/32 | 25/32 | 25/32 | 3 21/32 | 2 1/8 | 1.496 | 1/2 |
| 1 | **UKPX06D1;HE2306X** | | | | | | | | | | | |
| 30 | **UKPX07D1;H2307X** | 54 | 203 | 144 | 57 | 17 | 20 | 21 | 105 | 60 | 43 | M14 |
| 1 1/8 | **UKPX07D1;HS2307** | 2 1/8 | 8 | 5 21/32 | 2 1/4 | 21/32 | 25/32 | 13/16 | 4 1/8 | 2 3/8 | 1.693 | 1/2 |
| 35 | **UKPX08D1;H2308X** | 58.7 | 222 | 156 | 67 | 20 | 23 | 26 | 111 | 65 | 46 | M16 |
| 1 1/4 | **UKPX08D1;HE2308X** | 2 5/16 | 8 3/4 | 6 5/32 | 2 5/8 | 25/32 | 29/32 | 1 1/32 | 4 3/8 | 2 9/16 | 1.811 | 5/8 |
| 1 3/8 | **UKPX08D1;HS2308X** | | | | | | | | | | | |
| 40 | **UKPX09D1;H2309X** | 58.7 | 222 | 156 | 67 | 20 | 23 | 26 | 116 | 65 | 50 | M16 |
| 1 7/16 | **UKPX09D1;HA2309** | | | | | | | | | | | |
| 1 1/2 | **UKPX09D1;HE2309X** | 2 5/16 | 8 3/4 | 6 5/32 | 2 5/8 | 25/32 | 29/32 | 1 1/32 | 4 9/16 | 2 9/16 | 1.969 | 5/8 |
| 1 5/8 | **UKPX09D1;HS2309X** | | | | | | | | | | | |
| 45 | **UKPX10D1;H2310X** | 63.5 | 241 | 171 | 73 | 20 | 23 | 27 | 126 | 70 | 55 | M16 |
| 1 5/8 | **UKPX10D1;HS2310** | | | | | | | | | | | |
| 1 11/16 | **UKPX10D1;HA2310** | 2 1/2 | 9 1/2 | 6 23/32 | 2 7/8 | 25/32 | 29/32 | 1 1/16 | 4 31/32 | 2 3/4 | 2.165 | 5/8 |
| 1 3/4 | **UKPX10D1;HE2310X** | | | | | | | | | | | |
| 50 | **UKPX11D1;H2311X** | 69.8 | 260 | 184 | 79 | 25 | 28 | 30 | 137 | 75 | 59 | M20 |
| 1 7/8 | **UKPX11D1;HS2311** | | | | | | | | | | | |
| 1 15/16 | **UKPX11D1;HA2311** | 2 3/4 | 10 1/4 | 7 1/4 | 3 1/8 | 31/32 | 1 3/32 | 1 3/16 | 5 13/32 | 2 15/16 | 2.323 | 3/4 |
| 2 | **UKPX11D1;HE2311XY** | | | | | | | | | | | |
| 55 | **UKPX12D1;H2312X** | 76.2 | 286 | 203 | 83 | 25 | 28 | 33 | 151 | 80 | 62 | M20 |
| 2 1/8 | **UKPX12D1;HS2312** | 3 | 11 1/4 | 8 | 3 9/32 | 31/32 | 1 3/32 | 1 5/16 | 5 15/16 | 3 5/32 | 2.441 | 3/4 |

**Notes** (1) These numbers indicate relubricatable type. If maintenance free type is needed, please order without suffix "D1".
(2) Adapter number with suffix "X" means a narrow slot type adapter sleeve.
In this case the lock washer with the straight inner prong should be used.
(3) For HE2311XY, screw thread pitch different from the standard is applied, because of the thin thread section of sleeve.
To distinguish it, a suffix "Y" is added.

**Remarks** Please refer to page **A21** for size of grease fitting.

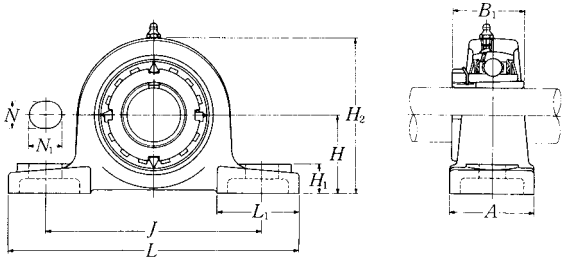





**Cast dust cover type**
Open end **C-UKP···D1**
Closed end **CM-UKP···D1**

| Bearing number | Housing number | Unit number cast dust cover type | Nominal dimensions mm / inch t max. | $H_3$ | $A_5$ | Mass of unit kg / lb UKP | C(CM) |
|---|---|---|---|---|---|---|---|
| UKX05D1;H2305X | PX05D1 | **C(CM)-UKPX05D1;H2305X** | 2 | 89 | 75 | 1.4 | 1.8 |
| UKX05D1;HE2305 | PX05D1 | **C(CM)-UKPX05ED1;HE2305** | 5/64 | 3 1/2 | 2 15/16 | 3.1 | 4.0 |
| UKX06D1;H2306X | PX06D1 | **C(CM)-UKPX06D1;H2306X** | 2 | 99 | 80 | 1.7 | 2.2 |
| UKX06D1;HS2306 | PX06D1 | **C(CM)-UKPX06SD1;HS2306** | 5/64 | 3 29/32 | 3 5/32 | 3.7 | 4.9 |
| UKX06D1;HE2306X | PX06D1 | **C(CM)-UKPX06ED1;HE2306X** | | | | | |
| UKX07D1;H2307X | PX07D1 | **C(CM)-UKPX07D1;H2307X** | 3 | 110 | 90 | 2.5 | 3.3 |
| UKX07D1;HS2307 | PX07D1 | **C(CM)-UKPX07SD1;HS2307** | 1/8 | 4 11/32 | 3 17/32 | 5.5 | 7.3 |
| UKX08D1;H2308X | PX08D1 | **C(CM)-UKPX08D1;H2308X** | 3 | 118 | 95 | 3.2 | 4.1 |
| UKX08D1;HE2308X | PX08D1 | **C(CM)-UKPX08ED1;HE2308X** | 1/8 | 4 41/64 | 3 3/4 | 7.1 | 9.0 |
| UKX08D1;HS2308X | PX08D1 | **C(CM)-UKPX08SD1;HS2308X** | | | | | |
| UKX09D1;H2309X | PX09D1 | **C(CM)-UKPX09D1;H2309X** | 3 | 120 | 100 | 3.3 | 4.3 |
| UKX09D1;HA2309 | PX09D1 | **C(CM)-UKPX09AD1;HA2309** | | | | | |
| UKX09D1;HE2309X | PX09D1 | **C(CM)-UKPX09ED1;HE2309X** | 1/8 | 4 23/32 | 3 15/16 | 7.3 | 9.5 |
| UKX09D1;HS2309X | PX09D1 | **C(CM)-UKPX09SD1;HS2309X** | | | | | |
| UKX10D1;H2310X | PX10D1 | **C(CM)-UKPX10D1;H2310X** | 3 | 130 | 100 | 4.2 | 5.4 |
| UKX10D1;HS2310 | PX10D1 | **C(CM)-UKPX10SD1;HS2310** | | | | | |
| UKX10D1;HA2310 | PX10D1 | **C(CM)-UKPX10AD1;HA2310** | 1/8 | 5 1/8 | 3 15/16 | 9.3 | 12 |
| UKX10D1;HE2310X | PX10D1 | **C(CM)-UKPX10ED1;HE2310X** | | | | | |
| UKX11D1;H2311X | PX11D1 | **C(CM)-UKPX11D1;H2311X** | 4 | 144 | 115 | 5.3 | 6.8 |
| UKX11D1;HS2311 | PX11D1 | **C(CM)-UKPX11SD1;HS2311** | | | | | |
| UKX11D1;HA2311 | PX11D1 | **C(CM)-UKPX11AD1;HA2311** | 5/32 | 5 21/32 | 4 17/32 | 12 | 15 |
| UKX11D1;HE2311XY | PX11D1 | **C(CM)-UKPX11ED1;HE2311XY** | | | | | |
| UKX12D1;H2312X | PX12D1 | **C(CM)-UKPX12D1;H2312X** | 4 | 155 | 120 | 6.8 | 8.6 |
| UKX12D1;HS2312 | PX12D1 | **C(CM)-UKPX12SD1;HS2312** | 5/32 | 6 3/32 | 4 23/32 | 15 | 19 |

## Pillow block unit, cast housing
## Adapter type

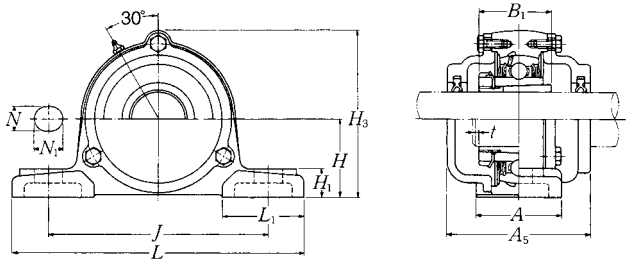



| Shaft dia. mm / inch | Unit number (1)(2) | Nominal dimensions mm / inch | | | | | | | | | | Bolt size mm / inch |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | H | L | J | A | N | $N_1$ | $H_1$ | $H_2$ | $L_1$ | $B_1$ | |
| 60 | UKPX13D1;H2313X | 76.2 | 286 | 203 | 83 | 25 | 28 | 33 | 154 | 80 | 65 | M20 |
| $2\frac{3}{16}$ | UKPX13D1;HA2313 | | | | | | | | | | | |
| $2\frac{1}{4}$ | UKPX13D1;HE2313X | 3 | $11\frac{1}{4}$ | 8 | $3\frac{9}{32}$ | $\frac{31}{32}$ | $1\frac{3}{32}$ | $1\frac{5}{16}$ | $6\frac{1}{16}$ | $3\frac{5}{32}$ | 2.559 | $\frac{3}{4}$ |
| $2\frac{3}{8}$ | UKPX13D1;HS2313X | | | | | | | | | | | |
| 65 | UKPX15D1;H2315X | 88.9 | 330 | 229 | 89 | 27 | 30 | 35 | 175 | 95 | 73 | M22 |
| $2\frac{7}{16}$ | UKPX15D1;HA2315 | $3\frac{1}{2}$ | 13 | $9\frac{1}{32}$ | $3\frac{1}{2}$ | $1\frac{1}{16}$ | $1\frac{3}{16}$ | $1\frac{3}{8}$ | $6\frac{7}{8}$ | $3\frac{3}{4}$ | 2.874 | $\frac{7}{8}$ |
| $2\frac{1}{2}$ | UKPX15D1;HE2315X | | | | | | | | | | | |
| 70 | UKPX16D1;H2316X | 101.6 | 381 | 283 | 102 | 27 | 30 | 40 | 194 | 110 | 78 | M22 |
| $2\frac{11}{16}$ | UKPX16D1;HA2316 | 4 | 15 | $11\frac{5}{32}$ | $4\frac{1}{32}$ | $1\frac{1}{16}$ | $1\frac{3}{16}$ | $1\frac{9}{16}$ | $7\frac{5}{8}$ | $4\frac{11}{32}$ | 3.071 | $\frac{7}{8}$ |
| $2\frac{3}{4}$ | UKPX16D1;HE2316X | | | | | | | | | | | |
| 75 | UKPX17D1;H2317X | 101.6 | 381 | 283 | 102 | 27 | 30 | 40 | 200 | 110 | 82 | M22 |
| $2\frac{15}{16}$ | UKPX17D1;HA2317X | 4 | 15 | $11\frac{5}{32}$ | $4\frac{1}{32}$ | $1\frac{1}{16}$ | $1\frac{3}{16}$ | $1\frac{9}{16}$ | $7\frac{7}{8}$ | $4\frac{11}{32}$ | 3.228 | $\frac{7}{8}$ |
| 3 | UKPX17D1;HE2317X | | | | | | | | | | | |
| 80 | UKPX18D1;H2318X | 101.6 | 381 | 283 | 111 | 27 | 30 | 40 | 206 | 110 | 86 | M22 |
| $3\frac{3}{16}$ | UKPX18D1;HA2318X | 4 | 15 | $11\frac{5}{32}$ | $4\frac{3}{8}$ | $1\frac{1}{16}$ | $1\frac{3}{16}$ | $1\frac{9}{16}$ | $8\frac{1}{8}$ | $4\frac{11}{32}$ | 3.386 | $\frac{7}{8}$ |
| 90 | UKPX20D1;H2320X | 127 | 432 | 337 | 121 | 33 | 36 | 45 | 244 | 125 | 97 | M27 |

**Notes** (1) These numbers indicate relubricatable type. If maintenance free type is needed, please order without suffix "D1".
(2) Adapter number with suffix "X" means a narrow slot type adapter sleeve.
In this case the lock washer with the straight inner prong should be used.

**Remarks** Please refer to page **A21** for size of grease fitting.

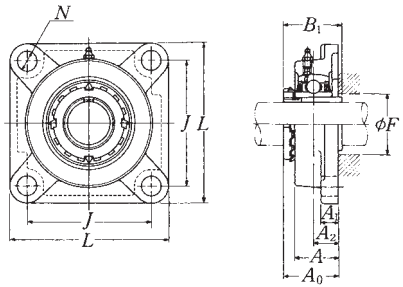





**Cast dust cover type**
Open end **C-UKP···D1**
Closed end **CM-UKP···D1**

| Bearing number | Housing number | Unit number cast dust cover type | Nominal dimensions mm / inch | | | Mass of unit kg / lb | |
|---|---|---|---|---|---|---|---|
| | | | t max. | $H_3$ | $A_5$ | UKP | C(CM) |
| UKX13D1;H2313X | PX13D1 | C(CM)-UKPX13D1;H2313X | 4 | 159 | 135 | 6.9 | 9.2 |
| UKX13D1;HA2313 | PX13D1 | C(CM)-UKPX13AD1;HA2313 | | | | | |
| UKX13D1;HE2313X | PX13D1 | C(CM)-UKPX13ED1;HE2313X | $\frac{5}{32}$ | $6\frac{1}{4}$ | $5\frac{5}{16}$ | 15 | 20 |
| UKX13D1;HS2313X | PX13D1 | C(CM)-UKPX13SD1;HS2313X | | | | | |
| UKX15D1;H2315X | PX15D1 | C(CM)-UKPX15D1;H2315X | 4 | 181 | 145 | 10 | 13 |
| UKX15D1;HA2315 | PX15D1 | C(CM)-UKPX15AD1;HA2315 | $\frac{5}{32}$ | $7\frac{1}{8}$ | $5\frac{23}{32}$ | 22 | 29 |
| UKX15D1;HE2315X | PX15D1 | C(CM)-UKPX15ED1;HE2315X | | | | | |
| UKX16D1;H2316X | PX16D1 | C(CM)-UKPX16D1;H2316X | 4 | 198 | 155 | 14 | 17 |
| UKX16D1;HA2316 | PX16D1 | C(CM)-UKPX16AD1;HA2316 | $\frac{5}{32}$ | $7\frac{25}{32}$ | $6\frac{3}{32}$ | 31 | 37 |
| UKX16D1;HE2316X | PX16D1 | C(CM)-UKPX16ED1;HE2316X | | | | | |
| UKX17D1;H2317X | PX17D1 | C(CM)-UKPX17D1;H2317X | 5 | 204 | 165 | 15 | 18 |
| UKX17D1;HA2317X | PX17D1 | C(CM)-UKPX17AD1;HA2317X | $\frac{13}{64}$ | $8\frac{1}{32}$ | $6\frac{1}{2}$ | 33 | 40 |
| UKX17D1;HE2317X | PX17D1 | C(CM)-UKPX17ED1;HE2317X | | | | | |
| UKX18D1;H2318X | PX18D1 | C(CM)-UKPX18D1;H2318X | 5 | 208 | 180 | 16 | 20 |
| UKX18D1;HA2318X | PX18D1 | C(CM)-UKPX18AD1;HA2318 | $\frac{13}{64}$ | $8\frac{3}{16}$ | $7\frac{3}{32}$ | 35 | 44 |
| UKX20D1;H2320X | PX20D1 | C(CM)-UKPX20D1;H2320X | 5 | 244 | 195 | 24 | 28 |

## Square flanged unit, cast housing
## Adapter type

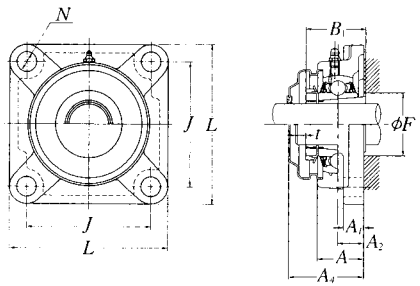



| Shaft dia. mm / inch | Unit number (1)(2)(3) | Nominal dimensions mm / inch | | | | | | | | | Bolt size mm / inch | Bearing number |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | $L$ | $J$ | $A_2$ | $A_1$ | $A$ | $N$ | $A_0$ | $B_1$ | $F$ min. | | |
| 20 | UKF205D1;H2305X | 95 | 70 | 16 | 13 | 27 | 12 | 35.5 | 35 | 30 | M10 | UK205D1;H2305X |
| 3/4 | UKF205D1;HE2305 | 3 3/4 | 2 3/4 | 5/8 | 1/2 | 1 1/16 | 15/32 | 1 25/64 | 1.378 | 1 3/16 | 3/8 | UK205D1;HE2305 |
| 25 | UKF206D1;H2306X | 108 | 83 | 18 | 13 | 31 | 12 | 39 | 38 | 36 | M10 | UK206D1;H2306X |
| 7/8 | UKF206D1;HS2306 | 4 1/4 | 3 17/64 | 45/64 | 1/2 | 1 7/32 | 15/32 | 1 17/32 | 1.496 | 1 13/32 | 3/8 | UK206D1;HS2306 |
| 1 | UKF206D1;HE2306X | | | | | | | | | | | UK206D1;HE2306X |
| 30 | UKF207D1;H2307X | 117 | 92 | 19 | 15 | 34 | 14 | 42.5 | 43 | 40 | M12 | UK207D1;H2307X |
| 1 1/8 | UKF207D1;HS2307 | 4 19/32 | 3 5/8 | 3/4 | 19/32 | 1 11/32 | 35/64 | 1 43/64 | 1.693 | 1 9/16 | 7/16 | UK207D1;HS2307 |
| 35 | UKF208D1;H2308X | 130 | 102 | 21 | 15 | 36 | 16 | 46.5 | 46 | 46 | M14 | UK208D1;H2308X |
| 1 1/4 | UKF208D1;HE2308X | 5 1/8 | 4 1/64 | 53/64 | 19/32 | 1 13/32 | 5/8 | 1 53/64 | 1.811 | 1 13/16 | 1/2 | UK208D1;HE2308X |
| 1 3/8 | UKF208D1;HS2308X | | | | | | | | | | | UK208D1;HS2308X |
| 40 | UKF209D1;H2309X | 137 | 105 | 22 | 16 | 38 | 16 | 48.5 | 50 | 52 | M14 | UK209D1;H2309X |
| 1 7/16 | UKF209D1;HA2309 | | | | | | | | | | | UK209D1;HA2309 |
| 1 1/2 | UKF209D1;HE2309X | 5 13/32 | 4 9/64 | 55/64 | 5/8 | 1 1/2 | 5/8 | 1 29/32 | 1.969 | 2 1/16 | 1/2 | UK209D1;HE2309X |
| 1 5/8 | UKF209D1;HS2309X | | | | | | | | | | | UK209D1;HS2309X |
| 45 | UKF210D1;H2310X | 143 | 111 | 22 | 16 | 40 | 16 | 50 | 55 | 57 | M14 | UK210D1;H2310X |
| 1 5/8 | UKF210D1;HS2310 | | | | | | | | | | | UK210D1;HS2310 |
| 1 11/16 | UKF210D1;HA2310 | 5 5/8 | 4 3/8 | 55/64 | 5/8 | 1 9/16 | 5/8 | 1 31/32 | 2.165 | 2 1/4 | 1/2 | UK210D1;HA2310 |
| 1 3/4 | UKF210D1;HE2310X | | | | | | | | | | | UK210D1;HE2310X |
| 50 | UKF211D1;H2311X | 162 | 130 | 25 | 18 | 43 | 19 | 54.5 | 59 | 64 | M16 | UK211D1;H2311X |
| 1 7/8 | UKF211D1;HS2311 | | | | | | | | | | | UK211D1;HS2311 |
| 1 15/16 | UKF211D1;HA2311 | 6 3/8 | 5 1/8 | 63/64 | 23/32 | 1 11/16 | 3/4 | 2 9/64 | 2.323 | 2 17/32 | 5/8 | UK211D1;HA2311 |
| 2 | UKF211D1;HE2311XY | | | | | | | | | | | UK211D1;HE2311XY |
| 55 | UKF212D1;H2312X | 175 | 143 | 29 | 18 | 48 | 19 | 61 | 62 | 69 | M16 | UK212D1;H2312X |
| 2 1/8 | UKF212D1;HS2312 | 6 7/8 | 5 5/8 | 1 9/64 | 23/32 | 1 7/8 | 3/4 | 2 13/32 | 2.441 | 2 23/32 | 5/8 | UK212D1;HS2312 |

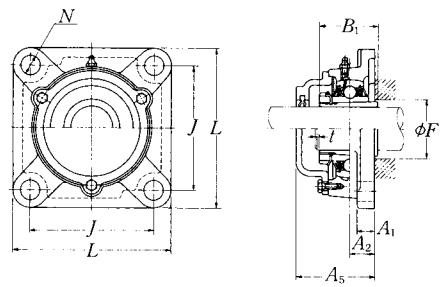
**Notes** (1) These numbers indicate relubricatable type. If maintenance free type is needed, please order without suffix "D1".
(2) Adapter number with suffix "X" means a narrow slot type adapter sleeve.
In this case the lock washer with the straight inner prong should be used.
(3) For HE2311XY, screw thread pitch different from the standard is applied, because of the thin thread section of sleeve.
To distinguish it, a suffix "Y" is added.
(4) If the inch series housing units with dust cover are ordered with a closed end, the suffixes E, S or A are not included.
Example: ZM-UKF205D1;HE2305

**Remarks** Please refer to page **A21** for size of grease fitting.





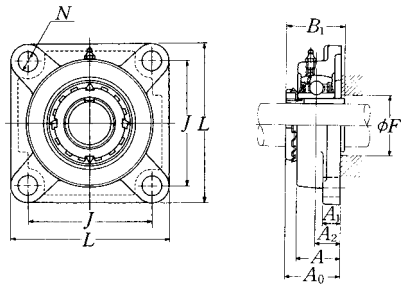

**Pressed steel dust cover type**
Open end **Z-UKF···D1**
Closed end **ZM-UKF···D1**




**Cast dust cover type**
Open end **C-UKF···D1**
Closed end **CM-UKF···D1**

| Housing number | Unit number (4) pressed steel dust cover type | Unit number (4) cast dust cover type | Nominal dimensions mm / inch | | | Mass of unit kg / lb | | |
|---|---|---|---|---|---|---|---|---|
| | | | $t$ max. | $A_4$ | $A_5$ | UKF | Z(ZM) | C(CM) |
| F205D1 | Z(ZM)-UKF205D1;H2305X | C(CM)-UKF205D1;H2305X | 2 | 40 | 51 | 0.8 | 0.8 | 1.0 |
| F205D1 | Z(ZM)-UKF205ED1;HE2305 | C(CM)-UKF205ED1;HE2305 | 5/64 | 1 19/32 | 2 | 1.8 | 1.8 | 2.2 |
| F206D1 | Z(ZM)-UKF206D1;H2306X | C(CM)-UKF206D1;H2306X | 2 | 45 | 56 | 1.1 | 1.1 | 1.3 |
| F206D1 | Z(ZM)-UKF206SD1;HS2306 | C(CM)-UKF206SD1;HS2306 | 5/64 | 1 3/4 | 2 7/32 | 2.4 | 2.4 | 2.9 |
| F206D1 | Z(ZM)-UKF206ED1;HE2306X | C(CM)-UKF206ED1;HE2306X | | | | | | |
| F207D1 | Z(ZM)-UKF207D1;H2307X | C(CM)-UKF207D1;H2307X | 3 | 49 | 59 | 1.6 | 1.6 | 1.9 |
| F207D1 | Z(ZM)-UKF207SD1;HS2307 | C(CM)-UKF207SD1;HS2307 | 1/8 | 1 15/16 | 2 5/16 | 3.5 | 3.5 | 4.2 |
| F208D1 | Z(ZM)-UKF208D1;H2308X | C(CM)-UKF208D1;H2308X | 3 | 56 | 66 | 1.8 | 1.9 | 2.4 |
| F208D1 | Z(ZM)-UKF208ED1;HE2308X | C(CM)-UKF208ED1;HE2308X | 1/8 | 2 3/16 | 2 19/32 | 4.0 | 4.2 | 5.3 |
| F208D1 | Z(ZM)-UKF208SD1;HS2308X | C(CM)-UKF208SD1;HS2308X | | | | | | |
| F209D1 | Z(ZM)-UKF209D1;H2309X | C(CM)-UKF209D1;H2309X | 3 | 57 | 70 | 2.3 | 2.3 | 2.8 |
| F209D1 | Z(ZM)-UKF209AD1;HA2309 | C(CM)-UKF209AD1;HA2309 | | | | | | |
| F209D1 | Z(ZM)-UKF209ED1;HE2309X | C(CM)-UKF209ED1;HE2309X | 1/8 | 2 1/4 | 2 3/4 | 5.1 | 5.1 | 6.2 |
| F209D1 | Z(ZM)-UKF209SD1;HS2309X | C(CM)-UKF209SD1;HS2309X | | | | | | |
| F210D1 | Z(ZM)-UKF210D1;H2310X | C(CM)-UKF210D1;H2310X | 3 | 60 | 72 | 2.6 | 2.7 | 3.2 |
| F210D1 | Z(ZM)-UKF210SD1;HS2310 | C(CM)-UKF210SD1;HS2310 | | | | | | |
| F210D1 | Z(ZM)-UKF210AD1;HA2310 | C(CM)-UKF210AD1;HA2310 | 1/8 | 2 3/8 | 2 27/32 | 5.7 | 6.0 | 7.1 |
| F210D1 | Z(ZM)-UKF210ED1;HE2310X | C(CM)-UKF210ED1;HE2310X | | | | | | |
| F211D1 | Z(ZM)-UKF211D1;H2311X | C(CM)-UKF211D1;H2311X | 4 | 64 | 75 | 3.5 | 3.6 | 4.3 |
| F211D1 | Z(ZM)-UKF211SD1;HS2311 | C(CM)-UKF211SD1;HS2311 | | | | | | |
| F211D1 | Z(ZM)-UKF211AD1;HA2311 | C(CM)-UKF211AD1;HA2311 | 5/32 | 2 1/2 | 2 15/16 | 7.7 | 7.9 | 9.5 |
| F211D1 | Z(ZM)-UKF211ED1;HE2311XY | C(CM)-UKF211ED1;HE2311XY | | | | | | |
| F212D1 | Z(ZM)-UKF212D1;H2312X | C(CM)-UKF212D1;H2312X | 4 | 74 | 86 | 4.0 | 4.2 | 5.0 |
| F212D1 | Z(ZM)-UKF212SD1;HS2312 | C(CM)-UKF212SD1;HS2312 | 5/32 | 2 29/32 | 3 3/8 | 8.8 | 9.3 | 11 |

## Square flanged unit, cast housing
## Adapter type

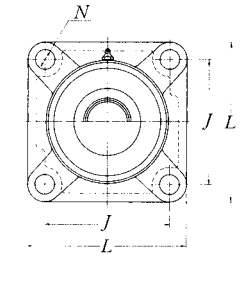



| Shaft dia. mm / inch | Unit number (1)(2) | Nominal dimensions mm / inch: L | J | A2 | A1 | A | N | A0 | B1 | F min. | Bolt size mm / inch | Bearing number |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 60 | UKF213D1;H2313X | 187 | 149 | 30 | 22 | 50 | 19 | 64 | 65 | 74 | M16 | UK213D1;H2313X |
| 2 3/16 | UKF213D1;HA2313 | | | | | | | | | | | UK213D1;HA2313 |
| 2 1/4 | UKF213D1;HE2313X | 7 3/8 | 5 55/64 | 1 3/16 | 7/8 | 1 31/32 | 3/4 | 2 33/64 | 2.559 | 2 29/32 | 5/8 | UK213D1;HE2313X |
| 2 3/8 | UKF213D1;HS2313X | | | | | | | | | | | UK213D1;HS2313X |
| 65 | UKF215D1;H2315X | 200 | 159 | 34 | 22 | 56 | 19 | 71 | 73 | 84 | M16 | UK215D1;H2315X |
| 2 7/16 | UKF215D1;HA2315 | 7 7/8 | 6 17/64 | 1 11/32 | 7/8 | 2 7/32 | 3/4 | 2 51/64 | 2.874 | 3 5/16 | 5/8 | UK215D1;HA2315 |
| 2 1/2 | UKF215D1;HE2315X | | | | | | | | | | | UK215D1;HE2315X |
| 70 | UKF216D1;H2316X | 208 | 165 | 34 | 22 | 58 | 23 | 73.5 | 78 | 90 | M20 | UK216D1;H2316X |
| 2 11/16 | UKF216D1;HA2316 | 8 3/16 | 6 1/2 | 1 11/32 | 7/8 | 2 9/32 | 29/32 | 2 57/64 | 3.071 | 3 17/32 | 3/4 | UK216D1;HA2316 |
| 2 3/4 | UKF216D1;HE2316X | | | | | | | | | | | UK216D1;HE2316X |
| 75 | UKF217D1;H2317X | 220 | 175 | 36 | 24 | 63 | 23 | 77 | 82 | 95 | M20 | UK217D1;H2317X |
| 2 15/16 | UKF217D1;HA2317X | 8 21/32 | 6 57/64 | 1 27/64 | 15/16 | 2 15/32 | 29/32 | 3 1/32 | 3.228 | 3 3/4 | 3/4 | UK217D1;HA2317X |
| 3 | UKF217D1;HE2317X | | | | | | | | | | | UK217D1;HE2317X |
| 80 | UKF218D1;H2318X | 235 | 187 | 40 | 24 | 68 | 23 | 81.5 | 86 | 102 | M20 | UK218D1;H2318X |
| 3 3/16 | UKF218D1;HA2318X | 9 1/4 | 7 23/64 | 1 37/64 | 15/16 | 2 11/16 | 29/32 | 3 13/64 | 3.386 | 4 1/32 | 3/4 | UK218D1;HA2318X |

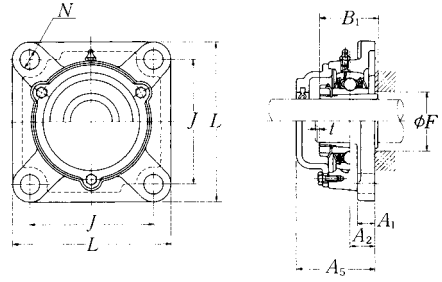
**Notes** (1) These numbers indicate relubricatable type. If maintenance free type is needed, please order without suffix "D1".
(2) Adapter number with suffix "X" means a narrow slot type adapter sleeve.
In this case the lock washer with the straight inner prong should be used.
(3) If the inch series housing units with dust cover are ordered with a closed end, the suffixes E, S or A are not included.
Example: ZM-UKF205D1;HE2305

**Remarks** Please refer to page **A21** for size of grease fitting.





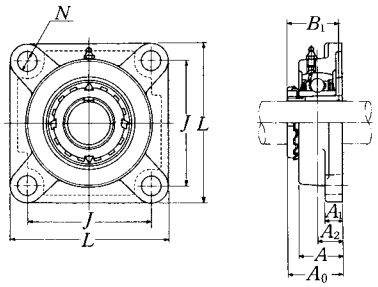

**Pressed steel dust cover type**
Open end **Z-UKF···D1**
Closed end **ZM-UKF···D1**




**Cast dust cover type**
Open end **C-UKF···D1**
Closed end **CM-UKF···D1**

| Housing number | Unit number (3) pressed steel dust cover type | Unit number (3) cast dust cover type | Nominal dimensions mm / inch: t max. | A4 | A5 | Mass of unit kg / lb: UKF | Z(ZM) | C(CM) |
|---|---|---|---|---|---|---|---|---|
| F213D1 | Z(ZM)-UKF213D1;H2313X | C(CM)-UKF213D1;H2313X | 4 | 76 | 90 | 5.6 | 5.8 | 6.7 |
| F213D1 | Z(ZM)-UKF213AD1;HA2313 | C(CM)-UKF213AD1;HA2313 | | | | | | |
| F213D1 | Z(ZM)-UKF213ED1;HE2313X | C(CM)-UKF213ED1;HE2313X | 5/32 | 3 | 3 17/32 | 12 | 13 | 15 |
| F213D1 | Z(ZM)-UKF213SD1;HS2313X | C(CM)-UKF213SD1;HS2313X | | | | | | |
| F215D1 | – | C(CM)-UKF215D1;H2315X | 4 | – | 102 | 6.8 | – | 8.3 |
| F215D1 | – | C(CM)-UKF215AD1;HA2315 | 5/32 | – | 4 1/32 | 15 | – | 18 |
| F215D1 | | C(CM)-UKF215ED1;HE2315X | | | | | | |
| F216D1 | – | C(CM)-UKF216D1;H2316X | 4 | – | 106 | 8.3 | – | 10 |
| F216D1 | – | C(CM)-UKF216AD1;HA2316 | 5/32 | – | 4 3/16 | 18 | – | 22 |
| F216D1 | | C(CM)-UKF216ED1;HE2316X | | | | | | |
| F217D1 | – | C(CM)-UKF217D1;H2317X | 5 | – | 114 | 10 | – | 13 |
| F217D1 | – | C(CM)-UKF217AD1;HA2317X | 13/64 | – | 4 1/2 | 22 | – | 29 |
| F217D1 | | C(CM)-UKF217ED1;HE2317X | | | | | | |
| F218D1 | – | C(CM)-UKF218D1;H2318X | 5 | – | 122 | 12 | – | 14 |
| F218D1 | – | C(CM)-UKF218AD1;HA2318X | 13/64 | – | 4 13/16 | 26 | – | 31 |

## Square flanged unit, cast housing
## Adapter type

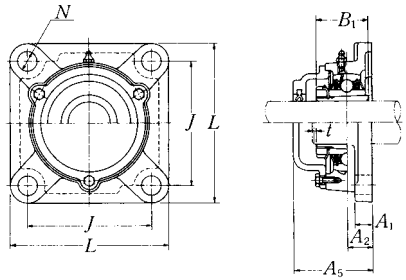



| Shaft dia. mm / inch | Unit number (1)(2)(3) | Nominal dimensions mm / inch L | J | $A_2$ | $A_1$ | A | N | $A_0$ | $B_1$ | Bolt size mm / inch |
|---|---|---|---|---|---|---|---|---|---|---|
| 20 | UKF305D1;H2305X | 110 | 80 | 16 | 13 | 29 | 16 | 37 | 35 | M14 |
| 3/4 | UKF305D1;HE2305 | 4 11/32 | 3 5/32 | 5/8 | 1/2 | 1 5/32 | 5/8 | 1 29/64 | 1.378 | 1/2 |
| 25 | UKF306D1;H2306X | 125 | 95 | 18 | 15 | 32 | 16 | 40.5 | 38 | M14 |
| 7/8 | UKF306D1;HS2306 | 4 29/32 | 3 47/64 | 45/64 | 19/32 | 1 1/4 | 5/8 | 1 19/32 | 1.496 | 1/2 |
| 1 | UKF306D1;HE2306X | | | | | | | | | |
| 30 | UKF307D1;H2307X | 135 | 100 | 20 | 16 | 36 | 19 | 45.5 | 43 | M16 |
| 1 1/8 | UKF307D1;HS2307 | 5 5/16 | 3 15/16 | 25/32 | 5/8 | 1 13/32 | 3/4 | 1 51/64 | 1.693 | 5/8 |
| 35 | UKF308D1;H2308X | 150 | 112 | 23 | 17 | 40 | 19 | 50 | 46 | M16 |
| 1 1/4 | UKF308D1;HE2308X | 5 29/32 | 4 13/32 | 29/32 | 21/32 | 1 9/16 | 3/4 | 1 31/32 | 1.811 | 5/8 |
| 1 3/8 | UKF308D1;HS2308X | | | | | | | | | |
| 40 | UKF309D1;H2309X | 160 | 125 | 25 | 18 | 44 | 19 | 54.5 | 50 | M16 |
| 1 7/16 | UKF309D1;HA2309 | | | | | | | | | |
| 1 1/2 | UKF309D1;HE2309X | 6 5/16 | 4 59/64 | 63/64 | 23/32 | 1 23/32 | 3/4 | 2 9/64 | 1.969 | 5/8 |
| 1 5/8 | UKF309D1;HS2309X | | | | | | | | | |
| 45 | UKF310D1;H2310X | 175 | 132 | 28 | 19 | 48 | 23 | 60.5 | 55 | M20 |
| 1 5/8 | UKF310D1;HS2310 | | | | | | | | | |
| 1 11/16 | UKF310D1;HA2310 | 6 7/8 | 5 13/64 | 1 7/64 | 3/4 | 1 7/8 | 29/32 | 2 3/8 | 2.165 | 3/4 |
| 1 3/4 | UKF310D1;HE2310X | | | | | | | | | |
| 50 | UKF311D1;H2311X | 185 | 140 | 30 | 20 | 52 | 23 | 64 | 59 | M20 |
| 1 7/8 | UKF311D1;HS2311 | | | | | | | | | |
| 1 15/16 | UKF311D1;HA2311 | 7 9/32 | 5 33/64 | 1 3/16 | 25/32 | 2 1/16 | 29/32 | 2 33/64 | 2.323 | 3/4 |
| 2 | UKF311D1;HE2311XY | | | | | | | | | |
| 55 | UKF312D1;H2312X | 195 | 150 | 33 | 22 | 56 | 23 | 69.5 | 62 | M20 |
| 2 1/8 | UKF312D1;HS2312 | 7 11/16 | 5 29/32 | 1 19/64 | 7/8 | 2 7/32 | 29/32 | 2 47/64 | 2.441 | 3/4 |

**Notes** (1) These numbers indicate relubricatable type. If maintenance free type is needed, please order without suffix "D1".
(2) Adapter number with suffix "X" means a narrow slot type adapter sleeve.
In this case the lock washer with the straight inner prong should be used.
(3) For HE2311XY, screw thread pitch different from the standard is applied, because of the thin thread section of sleeve.
To distinguish it, a suffix "Y" is added.
(4) If the inch series housing units with dust cover are ordered with a closed end, the suffixes E, S or A are not included.
Example: CM-UKF305D1;HE2305

**Remarks** Please refer to page **A21** for size of grease fitting.

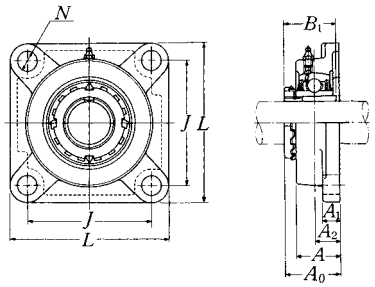





**Cast dust cover type**
Open end **C-UKF···D1**
Closed end **CM-UKF···D1**

| Bearing number | Housing number | Unit number (4) cast dust cover type | Nominal dimensions mm / inch t max. | $A_5$ | Mass of unit kg / lb UKF | C(CM) |
|---|---|---|---|---|---|---|
| UK305D1;H2305X | F305D1 | C(CM)-UKF305D1;H2305X | 2 | 56 | 1.1 | 1.5 |
| UK305D1;HE2305 | F305D1 | C(CM)-UKF305ED1;HE2305 | 5/64 | 2 7/32 | 2.4 | 3.3 |
| UK306D1;H2306X | F306D1 | C(CM)-UKF306D1;H2306X | 2 | 60 | 1.7 | 2.1 |
| UK306D1;HS2306 | F306D1 | C(CM)-UKF306SD1;HS2306 | 5/64 | 2 3/8 | 3.7 | 4.6 |
| UK306D1;HE2306X | F306D1 | C(CM)-UKF306ED1;HE2306X | | | | |
| UK307D1;H2307X | F307D1 | C(CM)-UKF307D1;H2307X | 3 | 68 | 2.1 | 2.7 |
| UK307D1;HS2307 | F307D1 | C(CM)-UKF307SD1;HS2307 | 1/8 | 2 11/16 | 4.6 | 6.0 |
| UK308D1;H2308X | F308D1 | C(CM)-UKF308D1;H2308X | 3 | 76 | 2.8 | 3.5 |
| UK308D1;HE2308X | F308D1 | C(CM)-UKF308ED1;HE2308X | 1/8 | 3 | 6.2 | 7.7 |
| UK308D1;HS2308X | F308D1 | C(CM)-UKF308SD1;HS2308X | | | | |
| UK309D1;H2309X | F309D1 | C(CM)-UKF309D1;H2309X | 3 | 80 | 3.4 | 4.4 |
| UK309D1;HA2309 | F309D1 | C(CM)-UKF309AD1;HA2309 | | | | |
| UK309D1;HE2309X | F309D1 | C(CM)-UKF309ED1;HE2309X | 1/8 | 3 5/32 | 7.5 | 9.7 |
| UK309D1;HS2309X | F309D1 | C(CM)-UKF309SD1;HS2309X | | | | |
| UK310D1;H2310X | F310D1 | C(CM)-UKF310D1;H2310X | 3 | 88 | 4.5 | 5.9 |
| UK310D1;HS2310 | F310D1 | C(CM)-UKF310SD1;HS2310 | | | | |
| UK310D1;HA2310 | F310D1 | C(CM)-UKF310AD1;HA2310 | 1/8 | 3 15/32 | 9.9 | 13 |
| UK310D1;HE2310X | F310D1 | C(CM)-UKF310ED1;HE2310X | | | | |
| UK311D1;H2311X | F311D1 | C(CM)-UKF311D1;H2311X | 4 | 92 | 5.3 | 6.8 |
| UK311D1;HS2311 | F311D1 | C(CM)-UKF311SD1;HS2311 | | | | |
| UK311D1;HA2311 | F311D1 | C(CM)-UKF311AD1;HA2311 | 5/32 | 3 5/8 | 12 | 15 |
| UK311D1;HE2311XY | F311D1 | C(CM)-UKF311ED1;HE2311XY | | | | |
| UK312D1;H2312X | F312D1 | C(CM)-UKF312D1;H2312X | 4 | 100 | 6.3 | 7.9 |
| UK312D1;HS2312 | F312D1 | C(CM)-UKF312SD1;HS2312 | 5/32 | 3 15/16 | 14 | 17 |

## Squiare flanged unit, cast housing
## Adapter type

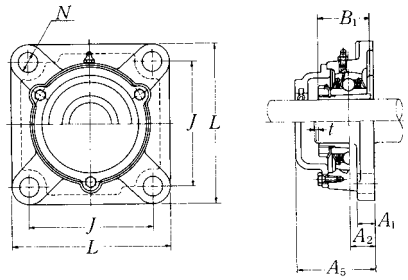



| Shaft dia. mm / inch | Unit number (1)(2) | Nominal dimensions mm / inch L | J | $A_2$ | $A_1$ | A | N | $A_0$ | $B_1$ | Bolt size mm / inch |
|---|---|---|---|---|---|---|---|---|---|---|
| 60 | UKF313D1;H2313X | 208 | 166 | 33 | 22 | 58 | 23 | 71.5 | 65 | M20 |
| 2 3/16 | UKF313D1;HA2313 | | | | | | | | | |
| 2 1/4 | UKF313D1;HE2313X | 8 3/16 | 6 17/32 | 1 19/64 | 7/8 | 2 9/32 | 29/32 | 2 13/16 | 2.559 | 3/4 |
| 2 3/8 | UKF313D1;HS2313X | | | | | | | | | |
| 65 | UKF315D1;H2315X | 236 | 184 | 39 | 25 | 66 | 25 | 81.5 | 73 | M22 |
| 2 7/16 | UKF315D1;HA2315 | | | | | | | | | |
| 2 1/2 | UKF315D1;HE2315X | 9 9/32 | 7 1/4 | 1 17/32 | 31/32 | 2 19/32 | 63/64 | 3 13/64 | 2.874 | 7/8 |
| 70 | UKF316D1;H2316X | 250 | 196 | 38 | 27 | 68 | 31 | 84 | 78 | M27 |
| 2 11/16 | UKF316D1;HA2316 | | | | | | | | | |
| 2 3/4 | UKF316D1;HE2316X | 9 27/32 | 7 23/32 | 1 1/2 | 1 1/16 | 2 11/16 | 1 7/32 | 3 5/16 | 3.071 | 1 |
| 75 | UKF317D1;H2317X | 260 | 204 | 44 | 27 | 74 | 31 | 92 | 82 | M27 |
| 2 15/16 | UKF317D1;HA2317X | | | | | | | | | |
| 3 | UKF317D1;HE2317X | 10 1/4 | 8 1/32 | 1 47/64 | 1 1/16 | 2 29/32 | 1 7/32 | 3 5/8 | 3.228 | 1 |
| 80 | UKF318D1;H2318X | 280 | 216 | 44 | 30 | 76 | 35 | 94 | 86 | M30 |
| 3 13/16 | UKF318D1;HA2318X | 11 1/32 | 8 1/2 | 1 47/64 | 1 3/16 | 3 | 1 3/8 | 3 45/64 | 3.386 | 1 1/8 |
| 85 | UKF319D1;H2319X | 290 | 228 | 59 | 30 | 94 | 35 | 111.5 | 90 | M30 |
| 3 1/4 | UKF319D1;HE2319X | 11 13/32 | 8 21/32 | 2 21/64 | 1 3/16 | 3 11/16 | 1 3/8 | 4 25/64 | 3.543 | 1 1/8 |
| 90 | UKF320D1;H2320X | 310 | 242 | 59 | 32 | 94 | 38 | 115.5 | 97 | M33 |
| 3 7/16 | UKF320D1;HA2320 | | | | | | | | | |
| 3 1/2 | UKF320D1;HE2320X | 12 7/32 | 9 17/32 | 2 21/64 | 1 1/4 | 3 11/16 | 1 1/2 | 4 35/64 | 3.819 | 1 1/4 |
| 100 | UKF322D1;H2322X | 340 | 266 | 60 | 35 | 96 | 41 | 121 | 105 | M36 |
| 110 | UKF324D1;H2324 | 370 | 290 | 65 | 40 | 110 | 41 | 130 | 112 | M36 |
| 115 | UKF326D1;H2326 | 410 | 320 | 65 | 45 | 115 | 41 | 133 | 121 | M36 |
| 125 | UKF328D1;H2328 | 450 | 350 | 75 | 55 | 125 | 41 | 146.5 | 131 | M36 |

**Notes** (1) These numbers indicate relubricatable type. If maintenance free type is needed, please order without suffix "D1".
(2) Adapter number with suffix "X" means a narrow slot type adapter sleeve.
In this case the lock washer with the straight inner prong should be used.
(3) If the inch series housing units with dust cover are ordered with a closed end, the suffixes E, S or A are not included.
Example: CM-UKF305D1;HE2305

**Remarks** Please refer to page **A21** for size of grease fitting.

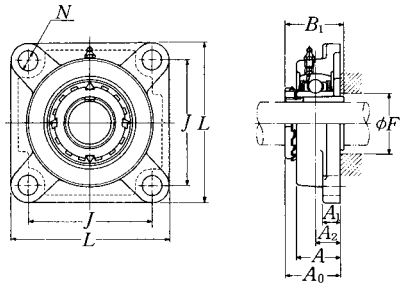





**Cast dust cover type**
Open end **C-UKF···D1**
Closed end **CM-UKF···D1**

| Bearing number | Housing number | Unit number (3) cast dust cover type | Nominal dimensions mm / inch t max. | $A_5$ | Mass of unit kg / lb UKF | C(CM) |
|---|---|---|---|---|---|---|
| UK313D1;H2313X | F313D1 | C(CM)-UKF313D1;H2313X | 4 | 103 | 7.8 | 9.6 |
| UK313D1;HA2313 | F313D1 | C(CM)-UKF313AD1;HA2313 | | | | |
| UK313D1;HE2313X | F313D1 | C(CM)-UKF313ED1;HE2313X | 5/32 | 4 1/16 | 17 | 21 |
| UK313D1;HS2313X | F313D1 | C(CM)-UKF313SD1;HS2313X | | | | |
| UK315D1;H2315X | F315D1 | C(CM)-UKF315D1;H2315X | 4 | 114 | 11 | 13 |
| UK315D1;HA2315 | F315D1 | C(CM)-UKF315AD1;HA2315 | | | | |
| UK315D1;HE2315X | F315D1 | C(CM)-UKF315ED1;HE2315X | 5/32 | 4 1/2 | 24 | 29 |
| UK316D1;H2316X | F316D1 | C(CM)-UKF316D1;H2316X | 4 | 116 | 14 | 16 |
| UK316D1;HA2316 | F316D1 | C(CM)-UKF316AD1;HA2316 | | | | |
| UK316D1;HE2316X | F316D1 | C(CM)-UKF316ED1;HE2316X | 5/32 | 4 9/16 | 31 | 35 |
| UK317D1;H2317X | F317D1 | C(CM)-UKF317D1;H2317X | 5 | 129 | 15 | 19 |
| UK317D1;HA2317X | F317D1 | C(CM)-UKF317AD1;HA2317X | | | | |
| UK317D1;HE2317X | F317D1 | C(CM)-UKF317ED1;HE2317X | 13/64 | 5 3/32 | 33 | 42 |
| UK318D1;H2318X | F318D1 | C(CM)-UKF318D1;H2318X | 5 | 129 | 19 | 23 |
| UK318D1;HA2318X | F318D1 | C(CM)-UKF318AD1;HA2318X | 13/64 | 5 3/32 | 42 | 51 |
| UK319D1;H2319X | F319D1 | C(CM)-UKF319D1;H2319X | 5 | 149 | 22 | 26 |
| UK319D1;HE2319X | F319D1 | C(CM)-UKF319ED1;HE2319X | 13/64 | 5 7/8 | 49 | 57 |
| UK320D1;H2320X | F320D1 | C(CM)-UKF320D1;H2320X | 5 | 154 | 27 | 32 |
| UK320D1;HA2320 | F320D1 | C(CM)-UKF320AD1;HA2320 | | | | |
| UK320D1;HE2320X | F320D1 | C(CM)-UKF320ED1;HE2320X | 13/64 | 6 1/16 | 60 | 71 |
| UK322D1;H2322X | F322D1 | C(CM)-UKF322D1;H2322X | 5 | 160 | 35 | 41 |
| UK324D1;H2324 | F324D1 | C(CM)-UKF324D1;H2324 | 5 | 172 | 48 | 56 |
| UK326D1;H2326 | F326D1 | C(CM)-UKF326D1;H2326 | 6 | 178 | 63 | 75 |
| UK328D1;H2328 | F328D1 | C(CM)-UKF328D1;H2328 | 6 | 192 | 90 | 101 |

## Square flanged unit, cast housing
## Adapter type

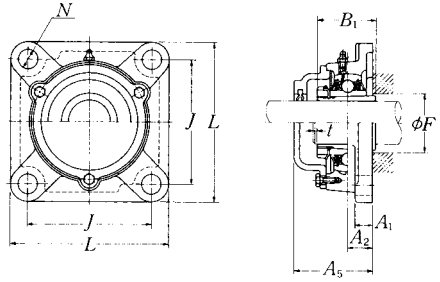



| Shaft dia. mm / inch | Unit number (1)(2)(3) | Nominal dimensions mm / inch L | J | $A_2$ | $A_1$ | A | N | $A_0$ | $B_1$ | F min. | Bolt size mm / inch |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 20 | UKFX05D1;H2305X | 108 | 83 | 18 | 13 | 30 | 12 | 39 | 35 | – | M10 |
| 3/4 | UKFX05D1;HE2305 | 4 1/4 | 3 17/64 | 45/64 | 1/2 | 1 3/16 | 15/32 | 1 17/32 | 1.378 | – | 3/8 |
| 25 | UKFX06D1;H2306X | 117 | 92 | 19 | 14 | 34 | 16 | 41.5 | 38 | – | M14 |
| 7/8 | UKFX06D1;HS2306 | | | | | | | | | | |
| 1 | UKFX06D1;HE2306X | 4 19/32 | 3 5/8 | 3/4 | 9/16 | 1 11/32 | 5/8 | 1 41/64 | 1.496 | – | 1/2 |
| 30 | UKFX07D1;H2307X | 130 | 102 | 21 | 14 | 38 | 16 | 45.5 | 43 | – | M14 |
| 1 1/8 | UKFX07D1;HS2307 | 5 1/8 | 4 1/64 | 53/64 | 9/16 | 1 1/2 | 5/8 | 1 51/64 | 1.693 | – | 1/2 |
| 35 | UKFX08D1;H2308X | 137 | 105 | 22 | 14 | 40 | 19 | 47.5 | 46 | 46 | M16 |
| 1 1/4 | UKFX08D1;HE2308X | | | | | | | | | | |
| 1 3/8 | UKFX08D1;HS2308X | 5 13/32 | 4 9/64 | 55/64 | 9/16 | 1 9/16 | 3/4 | 1 7/8 | 1.811 | 1 13/16 | 5/8 |
| 40 | UKFX09D1;H2309X | 143 | 111 | 23 | 14 | 40 | 19 | 50 | 50 | 52 | M16 |
| 1 7/16 | UKFX09D1;HA2309 | | | | | | | | | | |
| 1 1/2 | UKFX09D1;HE2309X | 5 5/8 | 4 3/8 | 29/32 | 9/16 | 1 9/16 | 3/4 | 1 31/32 | 1.969 | 2 1/16 | 5/8 |
| 1 5/8 | UKFX09D1;HS2309X | | | | | | | | | | |
| 45 | UKFX10D1;H2310X | 162 | 130 | 26 | 20 | 44 | 19 | 55.5 | 55 | 57 | M16 |
| 1 5/8 | UKFX10D1;HS2310 | | | | | | | | | | |
| 1 11/16 | UKFX10D1;HA2310 | 6 3/8 | 5 1/8 | 1 1/32 | 25/32 | 1 23/32 | 3/4 | 2 3/16 | 2.165 | 2 1/4 | 5/8 |
| 1 3/4 | UKFX10D1;HE2310X | | | | | | | | | | |
| 50 | UKFX11D1;H2311X | 175 | 143 | 29 | 20 | 49 | 19 | 60 | 59 | 64 | M16 |
| 1 7/8 | UKFX11D1;HS2311 | | | | | | | | | | |
| 1 15/16 | UKFX11D1;HA2311 | 6 7/8 | 5 5/8 | 1 9/64 | 25/32 | 1 15/16 | 3/4 | 2 23/64 | 2.323 | 2 17/32 | 5/8 |
| 2 | UKFX11D1;HE2311XY | | | | | | | | | | |
| 55 | UKFX12D1;H2312X | 187 | 149 | 34 | 21 | 59 | 19 | 67 | 62 | – | M16 |
| 2 1/8 | UKFX12D1;HS2312 | 7 3/8 | 5 55/64 | 1 11/32 | 13/16 | 2 5/16 | 3/4 | 2 21/64 | 2.441 | – | 5/8 |

**Notes** (1) These numbers indicate relubricatable type. If maintenance free type is needed, please order without suffix "D1".
(2) Adapter number with suffix "X" means a narrow slot type adapter sleeve. In this case the lock washer with the straight inner prong should be used.
(3) For HE2311XY, screw thread pitch different from the standard is applied, because of the thin thread section of sleeve. To distinguish it, a suffix "Y" is added.
(4) If the inch series housing units with dust cover are ordered with a closed end, the suffixes E, S or A are not included. Example: CM-UKFX05D1;HE2305

**Remarks** Please refer to page **A21** for size of grease fitting.

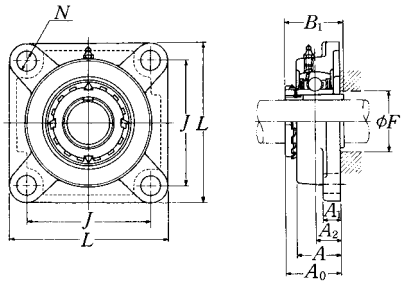





**Cast dust cover type**
Open end **C-UKF···D1**
Closed end **CM-UKF···D1**

| Bearing number | Housing number | Unit number (4) cast dust cover type | Nominal dimensions mm / inch t max. | $A_5$ | Mass of unit kg / lb UKF | C(CM) |
|---|---|---|---|---|---|---|
| UKX05D1;H2305X | FX05D1 | C(CM)-UKFX05D1;H2305X | 2 | 56 | 1.1 | 1.3 |
| UKX05D1;HE2305 | FX05D1 | C(CM)-UKFX05ED1;HE2305 | 5/64 | 2 7/32 | 2.4 | 2.9 |
| UKX06D1;H2306X | FX06D1 | C(CM)-UKFX06D1;H2306X | 2 | 59 | 1.6 | 1.8 |
| UKX06D1;HS2306 | FX06D1 | C(CM)-UKFX06SD1;HS2306 | | | | |
| UKX06D1;HE2306X | FX06D1 | C(CM)-UKFX06ED1;HE2306X | 5/64 | 2 5/16 | 3.5 | 4.0 |
| UKX07D1;H2307X | FX07D1 | C(CM)-UKFX07D1;H2307X | 3 | 66 | 2.1 | 2.5 |
| UKX07D1;HS2307 | FX07D1 | C(CM)-UKFX07SD1;HS2307 | 1/8 | 2 19/32 | 4.6 | 5.5 |
| UKX08D1;H2308X | FX08D1 | C(CM)-UKFX08D1;H2308X | 3 | 70 | 2.5 | 2.9 |
| UKX08D1;HE2308X | FX08D1 | C(CM)-UKFX08ED1;HE2308X | | | | |
| UKX08D1;HS2308X | FX08D1 | C(CM)-UKFX08SD1;HS2308X | 1/8 | 2 3/4 | 5.5 | 6.4 |
| UKX09D1;H2309X | FX09D1 | C(CM)-UKFX09D1;H2309X | 3 | 73 | 2.5 | 3.0 |
| UKX09D1;HA2309 | FX09D1 | C(CM)-UKFX09AD1;HA2309 | | | | |
| UKX09D1;HE2309X | FX09D1 | C(CM)-UKFX09ED1;HE2309X | 1/8 | 2 7/8 | 5.5 | 6.6 |
| UKX09D1;HS2309X | FX09D1 | C(CM)-UKFX09SD1;HS2309X | | | | |
| UKX10D1;H2310X | FX10D1 | C(CM)-UKFX10D1;H2310X | 3 | 76 | 3.8 | 4.4 |
| UKX10D1;HS2310 | FX10D1 | C(CM)-UKFX10SD1;HS2310 | | | | |
| UKX10D1;HA2310 | FX10D1 | C(CM)-UKFX10AD1;HA2310 | 1/8 | 3 | 8.4 | 9.7 |
| UKX10D1;HE2310X | FX10D1 | C(CM)-UKFX10ED1;HE2310X | | | | |
| UKX11D1;H2311X | FX11D1 | C(CM)-UKFX11D1;H2311X | 4 | 86 | 4.7 | 5.4 |
| UKX11D1;HS2311 | FX11D1 | C(CM)-UKFX11SD1;HS2311 | | | | |
| UKX11D1;HA2311 | FX11D1 | C(CM)-UKFX11AD1;HA2311 | 5/32 | 3 3/8 | 10 | 12 |
| UKX11D1;HE2311XY | FX11D1 | C(CM)-UKFX11ED1;HE2311XY | | | | |
| UKX12D1;H2312X | FX12D1 | C(CM)-UKFX12D1;H2312X | 4 | 94 | 6.4 | 7.2 |
| UKX12D1;HS2312 | FX12D1 | C(CM)-UKFX12SD1;HS2312 | 5/32 | 3 31/32 | 14 | 16 |

## Square flanged unit, cast housing
## Adapter type

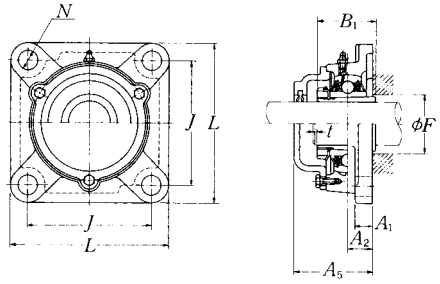



| Shaft dia. mm / inch | Unit number (1)(2) | Nominal dimensions mm / inch: L | J | A2 | A1 | A | N | A0 | B1 | F min. | Bolt size mm / inch |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 60 | **UKFX13D1;H2313X** | 187 | 149 | 34 | 21 | 59 | 19 | 69 | 65 | – | M16 |
| 2 3/16 | **UKFX13D1;HA2313** | | | | | | | | | | |
| 2 1/4 | **UKFX13D1;HE2313X** | 7 3/8 | 5 55/64 | 1 11/32 | 13/16 | 2 5/16 | 3/4 | 2 23/32 | 2.559 | – | 5/8 |
| 2 3/8 | **UKFX13D1;HS2313X** | | | | | | | | | | |
| 65 | **UKFX15D1;H2315X** | 197 | 152 | 40 | 24 | 68 | 23 | 77.5 | 73 | – | M20 |
| 2 7/16 | **UKFX15D1;HA2315** | 7 3/4 | 5 63/64 | 1 37/64 | 15/16 | 2 11/16 | 29/32 | 3 3/64 | 2.874 | – | 3/4 |
| 2 1/2 | **UKFX15D1;HE2315X** | | | | | | | | | | |
| 70 | **UKFX16D1;H2316X** | 214 | 171 | 40 | 24 | 70 | 23 | 80 | 78 | 90 | M20 |
| 2 11/16 | **UKFX16D1;HA2316** | 8 7/16 | 6 47/64 | 1 37/64 | 15/16 | 2 3/4 | 29/32 | 3 5/32 | 3.071 | 3 17/32 | 3/4 |
| 2 3/4 | **UKFX16D1;HE2316X** | | | | | | | | | | |
| 75 | **UKFX17D1;H2317X** | 214 | 171 | 40 | 24 | 70 | 23 | 81.5 | 82 | 95 | M20 |
| 2 15/16 | **UKFX17D1;HA2317X** | 8 7/16 | 6 47/64 | 1 37/64 | 15/16 | 2 3/4 | 29/32 | 3 13/64 | 3.228 | 3 3/4 | 3/4 |
| 3 | **UKFX17D1;HE2317X** | | | | | | | | | | |
| 80 | **UKFX18D1;H2318X** | 214 | 171 | 45 | 24 | 76 | 23 | 87.5 | 86 | 102 | M20 |
| 3 3/16 | **UKFX18D1;HA2318X** | 8 7/16 | 6 47/64 | 1 49/64 | 15/16 | 3 | 29/32 | 3 7/16 | 3.386 | 4 1/32 | 3/4 |
| 90 | **UKFX20D1;H2320X** | 268 | 211 | 59 | 31 | 97 | 31 | 107.5 | 97 | – | M27 |

**Notes** (1) These numbers indicate relubricatable type. If maintenance free type is needed, please order without suffix "D1".
(2) Adapter number with suffix "X" means a narrow slot type adapter sleeve.
In this case the lock washer with the straight inner prong should be used.
(3) If the inch series housing units with dust cover are ordered with a closed end, the suffixes E, S or A are not included.
Example: CM-UKFX05D1;HE2305

**Remarks** Please refer to page **A21** for size of grease fitting.

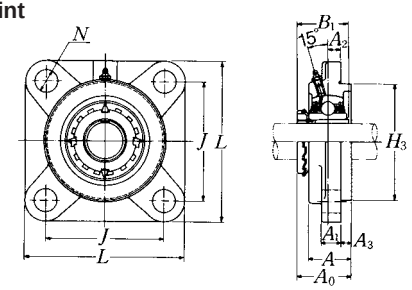


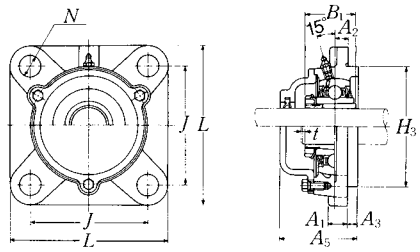



**Cast dust cover type**
Open end **C-UKF···D1**
Closed end **CM-UKF···D1**

| Bearing number | Housing number | Unit number (3) cast dust cover type | Nominal dimensions mm / inch: t max. | A5 | Mass of unit kg / lb: UKF | C(CM) |
|---|---|---|---|---|---|---|
| UKX13D1;H2313X | FX13D1 | **C(CM)-UKFX13D1;H2313X** | 4 | 101 | 6.4 | 7.6 |
| UKX13D1;HA2313 | FX13D1 | **C(CM)-UKFX13AD1;HA2313** | | | | |
| UKX13D1;HE2313X | FX13D1 | **C(CM)-UKFX13ED1;HE2313X** | 5/32 | 3 31/32 | 14 | 17 |
| UKX13D1;HS2313X | FX13D1 | **C(CM)-UKFX13SD1;HS2313X** | | | | |
| UKX15D1;H2315X | FX15D1 | **C(CM)-UKFX15D1;H2315X** | 4 | 112 | 8.7 | 10 |
| UKX15D1;HA2315 | FX15D1 | **C(CM)-UKFX15AD1;HA2315** | | | | |
| UKX15D1;HE2315X | FX15D1 | **C(CM)-UKFX15ED1;HE2315X** | 5/32 | 4 13/32 | 19 | 22 |
| UKX16D1;H2316X | FX16D1 | **C(CM)-UKFX16D1;H2316X** | 4 | 118 | 11 | 12 |
| UKX16D1;HA2316 | FX16D1 | **C(CM)-UKFX16AD1;HA2316** | | | | |
| UKX16D1;HE2316X | FX16D1 | **C(CM)-UKFX16ED1;HE2316X** | 5/32 | 4 21/32 | 24 | 26 |
| UKX17D1;H2317X | FX17D1 | **C(CM)-UKFX17D1;H2317X** | 5 | 122 | 12 | 14 |
| UKX17D1;HA2317X | FX17D1 | **C(CM)-UKFX17AD1;HA2317X** | | | | |
| UKX17D1;HE2317X | FX17D1 | **C(CM)-UKFX17ED1;HE2317X** | 13/64 | 4 13/16 | 26 | 31 |
| UKX18D1;H2318X | FX18D1 | **C(CM)-UKFX18D1;H2318X** | 5 | 135 | 12 | 14 |
| UKX18D1;HA2318X | FX18D1 | **C(CM)-UKFX18AD1;HA2318** | 13/64 | 5 5/16 | 26 | 31 |
| UKX20D1;H2320X | FX20D1 | **C(CM)-UKFX20D1;H2320X** | 5 | 146.5 | 20 | 22 |

## Square flanged unit, cast housing with spigot joint
## Adapter type




**Cast dust cover type**
Open end **C-UKFS···D1**
Closed end **CM-UKFS···D1**

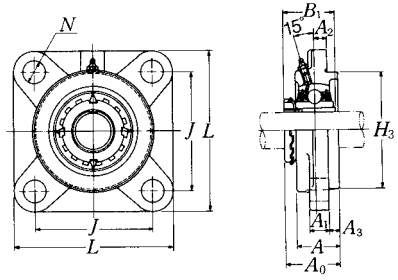
| Shaft dia. mm / inch | Unit number (1)(2)(3) | Nominal dimensions mm / inch | | | | | | | | | | Bolt size mm / inch |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | $L$ | $J$ | $A_2$ | $N$ | $A_3$ | $A_1$ | $A$ | $H_3$ | $A_0$ | $B_1$ | |
| 20 | **UKFS305D1;H2305X** | 110 | 80 | 9 | 16 | 7 | 13 | 29 | 80 | 37 | 35 | M14 |
| 3/4 | **UKFS305D1;HE2305** | 4 11/32 | 3 5/32 | 23/64 | 5/8 | 9/32 | 1/2 | 1 9/64 | 3.1496 | 1 29/64 | 1.378 | 1/2 |
| 25 | **UKFS306D1;H2306X** | 125 | 95 | 10 | 16 | 8 | 15 | 32 | 90 | 40.5 | 38 | M14 |
| 7/8 | **UKFS306D1;HS2306** | | | | | | | | | | | |
| 1 | **UKFS306D1;HE2306X** | 4 29/32 | 3 47/64 | 25/64 | 5/8 | 5/16 | 19/32 | 1 17/64 | 3.5433 | 1 19/32 | 1.496 | 1/2 |
| 30 | **UKFS307D1;H2307X** | 135 | 100 | 11 | 19 | 9 | 16 | 36 | 100 | 45.5 | 43 | M16 |
| 1 1/8 | **UKFS307D1;HS2307** | 5 5/16 | 3 15/16 | 7/16 | 3/4 | 23/64 | 5/8 | 1 13/32 | 3.9370 | 1 51/64 | 1.693 | 5/8 |
| 35 | **UKFS308D1;H2308X** | 150 | 112 | 13 | 19 | 10 | 17 | 40 | 115 | 50 | 46 | M16 |
| 1 1/4 | **UKFS308D1;HE2308X** | | | | | | | | | | | |
| 1 3/8 | **UKFS308D1;HS2308X** | 5 29/32 | 4 13/32 | 33/64 | 3/4 | 25/64 | 21/32 | 1 9/16 | 4.5276 | 1 31/32 | 1.811 | 5/8 |
| 40 | **UKFS309D1;H2309X** | 160 | 125 | 14 | 19 | 11 | 18 | 44 | 125 | 54.5 | 50 | M16 |
| 1 7/16 | **UKFS309D1;HA2309** | | | | | | | | | | | |
| 1 1/2 | **UKFS309D1;HE2309X** | 6 5/16 | 4 59/64 | 35/64 | 3/4 | 7/16 | 23/32 | 1 47/64 | 4.9213 | 2 9/64 | 1.969 | 5/8 |
| 1 5/8 | **UKFS309D1;HS2309X** | | | | | | | | | | | |
| 45 | **UKFS310D1;H2310X** | 175 | 132 | 16 | 23 | 12 | 19 | 48 | 140 | 60.5 | 55 | M20 |
| 1 5/8 | **UKFS310D1;HS2310** | | | | | | | | | | | |
| 1 11/16 | **UKFS310D1;HA2310** | 6 7/8 | 5 13/64 | 5/8 | 29/32 | 15/32 | 3/4 | 1 57/64 | 5.5118 | 2 3/8 | 2.165 | 3/4 |
| 1 3/4 | **UKFS310D1;HE2310X** | | | | | | | | | | | |
| 50 | **UKFS311D1;H2311X** | 185 | 140 | 17 | 23 | 13 | 20 | 52 | 150 | 64 | 59 | M20 |
| 1 7/8 | **UKFS311D1;HS2311** | | | | | | | | | | | |
| 1 15/16 | **UKFS311D1;HA2311** | 7 9/32 | 5 33/64 | 43/64 | 29/32 | 33/64 | 25/32 | 2 3/64 | 5.9055 | 2 33/64 | 2.323 | 3/4 |
| 2 | **UKFS311D1;HE2311XY** | | | | | | | | | | | |
| 55 | **UKFS312D1;H2312X** | 195 | 150 | 19 | 23 | 14 | 22 | 56 | 160 | 69.5 | 62 | M20 |
| 2 1/8 | **UKFS312D1;HS2312** | 7 11/16 | 5 29/32 | 3/4 | 29/32 | 35/64 | 7/8 | 2 13/64 | 6.2992 | 2 47/64 | 2.441 | 3/4 |

| Bearing number | Housing number | Unit number (4) cast dust cover type | Nominal dimensions mm / inch | | Mass of unit kg / lb | |
|---|---|---|---|---|---|---|
| | | | $t$ max. | $A_5$ | UKFS | C(CM) |
| UK305D1;H2305X | FS305D1 | **C(CM)-UKFS305D1;H2305X** | 2 | 56 | 1.2 | 1.5 |
| UK305D1;HE2305 | FS305D1 | **C(CM)-UKFS305ED1;HE2305** | 5/64 | 2 13/64 | 2.6 | 3.3 |
| UK306D1;H2306X | FS306D1 | **C(CM)-UKFS306D1;H2306X** | 2 | 60 | 1.8 | 2.2 |
| UK306D1;HS2306 | FS306D1 | **C(CM)-UKFS306SD1;HS2306** | | | | |
| UK306D1;HE2306X | FS306D1 | **C(CM)-UKFS306ED1;HE2306X** | 5/64 | 2 23/64 | 4.0 | 4.9 |
| UK307D1;H2307X | FS307D1 | **C(CM)-UKFS307D1;H2307X** | 3 | 67 | 2.3 | 2.9 |
| UK307D1;HS2307 | FS307D1 | **C(CM)-UKFS307SD1;HS2307** | 1/8 | 2 41/64 | 5.1 | 6.4 |
| UK308D1;H2308X | FS308D1 | **C(CM)-UKFS308D1;H2308X** | 3 | 76 | 3.2 | 3.7 |
| UK308D1;HE2308X | FS308D1 | **C(CM)-UKFS308ED1;HE2308X** | | | | |
| UK308D1;HS2308X | FS308D1 | **C(CM)-UKFS308SD1;HS2308X** | 1/8 | 2 63/64 | 7.1 | 8.2 |
| UK309D1;H2309X | FS309D1 | **C(CM)-UKFS309D1;H2309X** | 3 | 80 | 3.8 | 4.7 |
| UK309D1;HA2309 | FS309D1 | **C(CM)-UKFS309AD1;HA2309** | | | | |
| UK309D1;HE2309X | FS309D1 | **C(CM)-UKFS309ED1;HE2309X** | 1/8 | 3 5/32 | 8.4 | 10 |
| UK309D1;HS2309X | FS309D1 | **C(CM)-UKFS309SD1;HS2309X** | | | | |
| UK310D1;H2310X | FS310D1 | **C(CM)-UKFS310D1;H2310X** | 3 | 88 | 5.1 | 6.3 |
| UK310D1;HS2310 | FS310D1 | **C(CM)-UKFS310SD1;HS2310** | | | | |
| UK310D1;HA2310 | FS310D1 | **C(CM)-UKFS310AD1;HA2310** | 1/8 | 3 15/32 | 11 | 14 |
| UK310D1;HE2310X | FS310D1 | **C(CM)-UKFS310ED1;HE2310X** | | | | |
| UK311D1;H2311X | FS311D1 | **C(CM)-UKFS311D1;H2311X** | 4 | 93 | 5.9 | 7.3 |
| UK311D1;HS2311 | FS311D1 | **C(CM)-UKFS311SD1;HS2311** | | | | |
| UK311D1;HA2311 | FS311D1 | **C(CM)-UKFS311AD1;HA2311** | 5/32 | 3 21/32 | 13 | 16 |
| UK311D1;HE2311XY | FS311D1 | **C(CM)-UKFS311ED1;HE2311XY** | | | | |
| UK312D1;H2312X | FS312D1 | **C(CM)-UKFS312D1;H2312X** | 4 | 100 | 7.0 | 8.4 |
| UK312D1;HS2312 | FS312D1 | **C(CM)-UKFS312SD1;HS2312** | 5/32 | 3 15/16 | 15 | 19 |

**Notes** (1) These numbers indicate relubricatable type. If maintenance free type is needed, please order without suffix "D1".
(2) Adapter number with suffix "X" means a narrow slot type adapter sleeve. In this case the lock washer with the straight inner prong should be used.
(3) For HE2311XY, screw thread pitch different from the standard is applied, because of the thin thread section of sleeve. To distinguish it, a suffix "Y" is added.
(4) If the inch series housing units with dust cover are ordered with a closed end, the suffixes E, S or A are not included. Example: CM-UKFS305D1;HE2305

**Remarks** Please refer to page **A21** for size of grease fitting.

## Square flanged unit, cast housing with spigot
## Adapter type

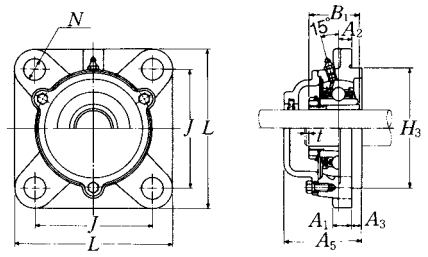



| Shaft dia. mm / inch | Unit number (1)(2) | Nominal dimensions mm / inch | | | | | | | | | | Bolt size mm / inch |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | $L$ | $J$ | $A_2$ | $N$ | $A_3$ | $A_1$ | $A$ | $H_3$ | $A_0$ | $B_1$ | |
| 60 | UKFS313D1;H2313X | 208 | 166 | 15 | 33 | 18 | 22 | 58 | 175 | 71.5 | 65 | M20 |
| $2\frac{3}{16}$ | UKFS313D1;HA2313 | | | | | | | | | | | |
| $2\frac{1}{4}$ | UKFS313D1;HE2313X | $8\frac{3}{16}$ | $6\frac{17}{32}$ | $\frac{19}{32}$ | $\frac{29}{32}$ | $\frac{45}{64}$ | $\frac{7}{8}$ | $2\frac{9}{32}$ | 6.8898 | $2\frac{13}{16}$ | 2.559 | $\frac{3}{4}$ |
| $2\frac{3}{8}$ | UKFS313D1;HS2313X | | | | | | | | | | | |
| 65 | UKFS315D1;H2315X | 236 | 184 | 21 | 25 | 18 | 25 | 66 | 200 | 81.5 | 73 | M22 |
| $2\frac{7}{16}$ | UKFS315D1;HA2315 | $9\frac{9}{32}$ | $7\frac{1}{4}$ | $\frac{53}{64}$ | $\frac{63}{64}$ | $\frac{45}{64}$ | $\frac{31}{32}$ | $2\frac{19}{32}$ | 7.8740 | $3\frac{13}{64}$ | 2.874 | $\frac{7}{8}$ |
| $2\frac{1}{2}$ | UKFS315D1;HE2315X | | | | | | | | | | | |
| 70 | UKFS316D1;H2316X | 250 | 196 | 18 | 31 | 20 | 27 | 68 | 210 | 84 | 78 | M27 |
| $2\frac{11}{16}$ | UKFS316D1;HA2316 | $9\frac{27}{32}$ | $7\frac{23}{32}$ | $\frac{45}{64}$ | $1\frac{7}{32}$ | $\frac{25}{32}$ | $1\frac{1}{16}$ | $2\frac{43}{64}$ | 8.2677 | $3\frac{5}{16}$ | 3.071 | 1 |
| $2\frac{3}{4}$ | UKFS316D1;HE2316X | | | | | | | | | | | |
| 75 | UKFS317D1;H2317X | 260 | 204 | 24 | 31 | 20 | 27 | 74 | 220 | 92 | 82 | M27 |
| $2\frac{15}{16}$ | UKFS317D1;HA2317X | $10\frac{1}{4}$ | $8\frac{1}{32}$ | $\frac{15}{16}$ | $1\frac{7}{32}$ | $\frac{25}{32}$ | $1\frac{1}{16}$ | $2\frac{29}{32}$ | 8.6614 | $3\frac{5}{8}$ | 3.228 | 1 |
| 3 | UKFS317D1;HE2317X | | | | | | | | | | | |
| 80 | UKFS318D1;H2318X | 280 | 216 | 24 | 35 | 20 | 30 | 76 | 240 | 94 | 86 | M30 |
| $3\frac{3}{16}$ | UKFS318D1;HA2318X | $11\frac{1}{32}$ | $8\frac{1}{2}$ | $\frac{15}{16}$ | $1\frac{3}{8}$ | $\frac{25}{32}$ | $1\frac{3}{16}$ | $2\frac{63}{64}$ | 9.4488 | $3\frac{45}{64}$ | 3.386 | $1\frac{1}{8}$ |
| 85 | UKFS319D1;H2319X | 290 | 228 | 39 | 35 | 20 | 30 | 94 | 250 | 111.5 | 90 | M30 |
| $3\frac{1}{4}$ | UKFS319D1;HE2319X | $11\frac{13}{32}$ | $8\frac{31}{32}$ | $1\frac{17}{32}$ | $1\frac{3}{8}$ | $\frac{25}{32}$ | $1\frac{3}{16}$ | $3\frac{45}{64}$ | 9.8425 | $4\frac{25}{64}$ | 3.543 | $1\frac{1}{8}$ |
| 90 | UKFS320D1;H2320X | 310 | 242 | 39 | 38 | 20 | 32 | 94 | 260 | 115.5 | 97 | M33 |
| $3\frac{7}{16}$ | UKFS320D1;HA2320 | $12\frac{7}{32}$ | $9\frac{17}{32}$ | $1\frac{17}{32}$ | $1\frac{1}{2}$ | $\frac{25}{32}$ | $1\frac{1}{4}$ | $3\frac{45}{64}$ | 10.2362 | $4\frac{35}{64}$ | 3.819 | $1\frac{1}{4}$ |
| $3\frac{1}{2}$ | UKFS320D1;HE2320X | | | | | | | | | | | |
| 100 | UKFS322D1;H2322X | 340 | 266 | 35 | 41 | 25 | 35 | 96 | 300 | 121 | 105 | M36 |
| 110 | UKFS324D1;H2324 | 370 | 290 | 35 | 41 | 30 | 40 | 110 | 330 | 130 | 112 | M36 |
| 115 | UKFS326D1;H2326 | 410 | 320 | 35 | 41 | 30 | 45 | 115 | 360 | 133 | 121 | M36 |
| 125 | UKFS328D1;H2328 | 450 | 350 | 45 | 41 | 30 | 55 | 125 | 400 | 146.5 | 131 | M36 |

**Notes** (1) These numbers indicate relubricatable type. If maintenance free type is needed, please order without suffix "D1".
(2) Adapter number with suffix "X" means a narrow slot type adapter sleeve.
In this case the lock washer with the straight inner prong should be used.
(3) If the inch series housing units with dust cover are ordered with a closed end, the suffixes E, S or A are not included.
Example: CM-UKFS305D1;HE2305

**Remarks** Please refer to page **A21** for size of grease fitting.

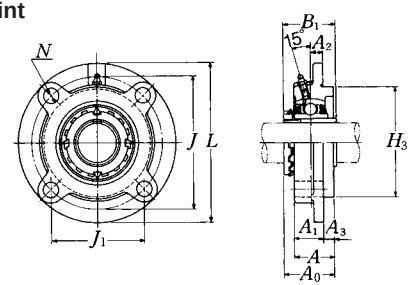





**Cast dust cover type**
Open end **C-UKFS···D1**
Closed end **CM-UKFS···D1**

| Bearing number | Housing number | Unit number (3) cast dust cover type | Nominal dimensions mm / inch | | Mass of unit kg / lb | |
|---|---|---|---|---|---|---|
| | | | $t$ max. | $A_5$ | UKFS | C(CM) |
| UK313D1;H2313X | FS313D1 | C(CM)-UKFS313D1;H2313X | 4 | 103 | 8.4 | 10 |
| UK313D1;HA2313 | FS313D1 | C(CM)-UKFS313AD1;HA2313 | | | | |
| UK313D1;HE2313X | FS313D1 | C(CM)-UKFS313ED1;HE2313X | $\frac{5}{32}$ | $4\frac{1}{16}$ | 19 | 22 |
| UK313D1;HS2313X | FS313D1 | C(CM)-UKFS313SD1;HS2313X | | | | |
| UK315D1;H2315X | FS315D1 | C(CM)-UKFS315D1;H2315X | 4 | 114 | 12 | 14 |
| UK315D1;HA2315 | FS315D1 | C(CM)-UKFS315AD1;HA2315 | | | | |
| UK315D1;HE2315X | FS315D1 | C(CM)-UKFS315ED1;HE2315X | $\frac{5}{32}$ | $4\frac{31}{64}$ | 26 | 31 |
| UK316D1;H2316X | FS316D1 | C(CM)-UKFS316D1;H2316X | 4 | 116 | 15 | 17 |
| UK316D1;HA2316 | FS316D1 | C(CM)-UKFS316AD1;HA2316 | | | | |
| UK316D1;HE2316X | FS316D1 | C(CM)-UKFS316ED1;HE2316X | $\frac{5}{32}$ | $4\frac{9}{16}$ | 33 | 37 |
| UK317D1;H2317X | FS317D1 | C(CM)-UKFS317D1;H2317X | 5 | 129 | 17 | 20 |
| UK317D1;HA2317X | FS317D1 | C(CM)-UKFS317AD1;HA2317X | | | | |
| UK317D1;HE2317X | FS317D1 | C(CM)-UKFS317ED1;HE2317X | $\frac{13}{64}$ | $5\frac{5}{64}$ | 37 | 44 |
| UK318D1;H2318X | FS318D1 | C(CM)-UKFS318D1;H2318X | 5 | 129 | 21 | 24 |
| UK318D1;HA2318X | FS318D1 | C(CM)-UKFS318AD1;HA2318X | $\frac{13}{64}$ | $5\frac{5}{64}$ | 46 | 53 |
| UK319D1;H2319X | FS319D1 | C(CM)-UKFS319D1;H2319X | 5 | 149 | 24 | 29 |
| UK319D1;HE2319X | FS319D1 | C(CM)-UKFS319ED1;HE2319X | $\frac{13}{64}$ | $5\frac{55}{64}$ | 53 | 64 |
| UK320D1;H2320X | FS320D1 | C(CM)-UKFS320D1;H2320X | 5 | 154 | 29 | 34 |
| UK320D1;HA2320 | FS320D1 | C(CM)-UKFS320AD1;HA2320 | | | | |
| UK320D1;HE2320X | FS320D1 | C(CM)-UKFS320ED1;HE2320X | $\frac{13}{64}$ | $6\frac{1}{16}$ | 64 | 75 |
| UK322D1;H2322X | FS322D1 | C(CM)-UKFS322D1;H2322X | 5 | 160 | 38 | 46 |
| UK324D1;H2324 | FS324D1 | C(CM)-UKFS324D1;H2324 | 5 | 172 | 51 | 59 |
| UK326D1;H2326 | FS326D1 | C(CM)-UKFS326D1;H2326 | 6 | 178 | 69 | 79 |
| UK328D1;H2328 | FS328D1 | C(CM)-UKFS328D1;H2328 | 6 | 192 | 98 | 110 |

## Round flanged unit, cast housing with spigot joint
## Adapter type

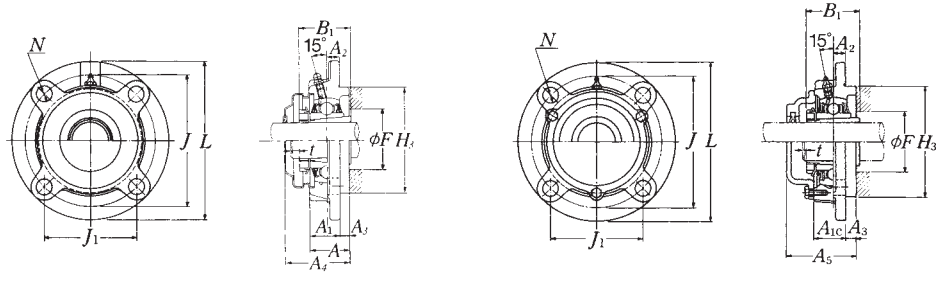



| Shaft dia. mm / inch | Unit number (1)(2)(3) | Nominal dimensions mm / inch: L | J | (J1) | A2 | N | A3 | A1 | A | H3 | A0 | B1 | F min. | Bolt size mm / inch | Bearing number |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 20 | UKFC205D1;H2305X | 115 | 90 | 63.6 | 10 | 12 | 6 | 21 | 27 | 70 | 35.5 | 35 | 30 | M10 | UK205D1;H2305X |
| 3/4 | UKFC205D1;HE2305 | 4 17/32 | 3 35/64 | 2 1/2 | 25/64 | 15/32 | 15/64 | 13/16 | 1 1/16 | 2.7559 | 1 25/64 | 1.378 | 1 3/16 | 3/8 | UK205D1;HE2305 |
| 25 | UKFC206D1;H2306X | 125 | 100 | 70.7 | 10 | 12 | 8 | 23 | 31 | 80 | 39 | 38 | 36 | M10 | UK206D1;H2306X |
| 7/8 | UKFC206D1;HS2306 | 4 29/32 | 3 15/16 | 2 25/32 | 25/64 | 15/32 | 5/16 | 29/32 | 1 7/32 | 3.1496 | 1 17/32 | 1.496 | 1 13/32 | 3/8 | UK206D1;HS2306 |
| 1 | UKFC206D1;HE2306X | | | | | | | | | | | | | | UK206D1;HE2306X |
| 30 | UKFC207D1;H2307X | 135 | 110 | 77.8 | 11 | 14 | 8 | 26 | 34 | 90 | 42.5 | 43 | 40 | M12 | UK207D1;H2307X |
| 1 1/8 | UKFC207D1;HS2307 | 5 5/16 | 4 21/64 | 3 1/16 | 7/16 | 35/64 | 5/16 | 1 1/32 | 1 11/32 | 3.5433 | 1 43/64 | 1.693 | 1 9/16 | 7/16 | UK207D1;HS2307 |
| 35 | UKFC208D1;H2308X | 145 | 120 | 84.9 | 11 | 14 | 10 | 26 | 36 | 100 | 46.5 | 46 | 46 | M12 | UK208D1;H2308X |
| 1 1/4 | UKFC208D1;HE2308X | 5 23/32 | 4 23/32 | 3 11/32 | 7/16 | 35/64 | 25/64 | 1 1/32 | 1 27/64 | 3.9370 | 1 53/64 | 1.811 | 1 13/16 | 7/16 | UK208D1;HE2308X |
| 1 3/8 | UKFC208D1;HS2308X | | | | | | | | | | | | | | UK208D1;HS2308X |
| 40 | UKFC209D1;H2309X | 160 | 132 | 93.3 | 10 | 16 | 12 | 26 | 38 | 105 | 48.5 | 50 | 52 | M14 | UK209D1;H2309X |
| 1 7/16 | UKFC209D1;HA2309 | | | | | | | | | | | | | | UK209D1;HA2309 |
| 1 1/2 | UKFC209D1;HE2309X | 6 5/16 | 5 13/64 | 3 43/64 | 25/64 | 5/8 | 15/32 | 1 1/32 | 1 1/2 | 4.1339 | 1 29/32 | 1.969 | 2 1/16 | 1/2 | UK209D1;HE2309X |
| 1 5/8 | UKFC209D1;HS2309X | | | | | | | | | | | | | | UK209D1;HS2309X |
| 45 | UKFC210D1;H2310X | 165 | 138 | 97.6 | 10 | 16 | 12 | 28 | 40 | 110 | 50 | 55 | 57 | M14 | UK210D1;H2310X |
| 1 5/8 | UKFC210D1;HS2310 | | | | | | | | | | | | | | UK210D1;HS2310 |
| 1 11/16 | UKFC210D1;HA2310 | 6 1/2 | 5 7/16 | 3 27/32 | 25/64 | 5/8 | 15/32 | 1 3/32 | 1 37/64 | 4.3307 | 1 31/32 | 2.165 | 2 1/4 | 1/2 | UK210D1;HA2310 |
| 1 3/4 | UKFC210D1;HE2310X | | | | | | | | | | | | | | UK210D1;HE2310X |
| 50 | UKFC211D1;H2311X | 185 | 150 | 106.1 | 13 | 19 | 12 | 31 | 43 | 125 | 54.5 | 59 | 64 | M16 | UK211D1;H2311X |
| 1 7/8 | UKFC211D1;HS2311 | | | | | | | | | | | | | | UK211D1;HS2311 |
| 1 15/16 | UKFC211D1;HA2311 | 7 9/32 | 5 29/32 | 4 11/64 | 33/64 | 3/4 | 15/32 | 1 7/32 | 1 11/16 | 4.9213 | 2 9/64 | 2.323 | 2 17/32 | 5/8 | UK211D1;HA2311 |
| 2 | UKFC211D1;HE2311XY | | | | | | | | | | | | | | UK211D1;HE2311XY |
| 55 | UKFC212D1;H2312X | 195 | 160 | 113.1 | 17 | 19 | 12 | 36 | 48 | 135 | 61 | 62 | 69 | M16 | UK212D1;H2312X |
| 2 1/8 | UKFC212D1;HS2312 | 7 11/16 | 6 19/64 | 4 29/64 | 43/64 | 3/4 | 15/32 | 1 13/32 | 1 57/64 | 5.3150 | 2 13/32 | 2.441 | 2 23/32 | 5/8 | UK212D1;HS2312 |

**Notes** (1) These numbers indicate relubricatable type. If maintenance free type is needed, please order without suffix "D1".
(2) Adapter number with suffix "X" means a narrow slot type adapter sleeve.
In this case the lock washer with the straight inner prong should be used.
(3) For HE2311XY, screw thread pitch different from the standard is applied, because of the thin thread section of sleeve.
To distinguish it, a suffix "Y" is added.
(4) If the inch series housing units with dust cover are ordered with a closed end, the suffixes E, S or A are not included.
Example: ZM-UKFC205D1;HE2305

**Remarks** Please refer to page **A21** for size of grease fitting.



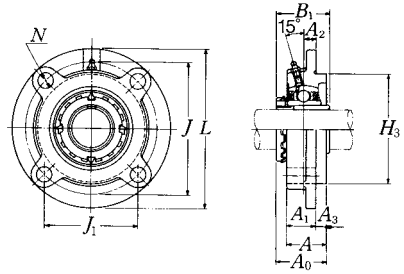



**Pressed steel dust cover type**
Open end **Z-UKFC···D1**
Closed end **ZM-UKFC···D1**

**Cast dust cover type**
Open end **C-UKFC···D1**
Closed end **CM-UKFC···D1**

| Housing number | Unit number (4) pressed steel dust cover type | Unit number (4) cast dust cover type | Nominal dimensions mm / inch: t max. | A4 | A1C | A5 | Mass of unit kg / lb: UKFC | Z(ZM) | C(CM) |
|---|---|---|---|---|---|---|---|---|---|
| FC205D1 | Z(ZM)-UKFC205D1;H2305X | C(CM)-UKFC205D1;H2305X | 2 | 40 | 22 | 51 | 1.0 | 1.1 | 1.2 |
| FC205D1 | Z(ZM)-UKFC205ED1;HE2305 | C(CM)-UKFC205ED1;HE2305 | 5/64 | 1 19/32 | 7/8 | 2 | 2.2 | 2.4 | 2.6 |
| FC206D1 | Z(ZM)-UKFC206D1;H2306X | C(CM)-UKFC206D1;H2306X | 2 | 45 | 24.5 | 56 | 1.3 | 1.4 | 1.7 |
| FC206D1 | Z(ZM)-UKFC206SD1;HS2306 | C(CM)-UKFC206SD1;HS2306 | | | | | | | |
| FC206D1 | Z(ZM)-UKFC206ED1;HE2306X | C(CM)-UKFC206ED1;HE2306X | 5/64 | 1 3/4 | 31/32 | 2 13/64 | 2.9 | 3.1 | 3.7 |
| FC207D1 | Z(ZM)-UKFC207D1;H2307X | C(CM)-UKFC207D1;H2307X | 3 | 49 | 26 | 59 | 1.7 | 1.8 | 2.0 |
| FC207D1 | Z(ZM)-UKFC207SD1;HS2307 | C(CM)-UKFC207SD1;HS2307 | 1/8 | 1 15/16 | 1 1/32 | 2 21/64 | 3.7 | 4.0 | 4.4 |
| FC208D1 | Z(ZM)-UKFC208D1;H2308X | C(CM)-UKFC208D1;H2308X | 3 | 56 | 27.5 | 66 | 2.1 | 2.2 | 2.6 |
| FC208D1 | Z(ZM)-UKFC208ED1;HE2308X | C(CM)-UKFC208ED1;HE2308X | | | | | | | |
| FC208D1 | Z(ZM)-UKFC208SD1;HS2308X | C(CM)-UKFC208SD1;HS2308X | 1/8 | 2 3/16 | 1 5/64 | 2 19/32 | 4.6 | 4.9 | 5.7 |
| FC209D1 | Z(ZM)-UKFC209D1;H2309X | C(CM)-UKFC209D1;H2309X | 3 | 57 | 28 | 70 | 2.8 | 2.9 | 3.4 |
| FC209D1 | Z(ZM)-UKFC209AD1;HA2309 | C(CM)-UKFC209AD1;HA2309 | | | | | | | |
| FC209D1 | Z(ZM)-UKFC209ED1;HE2309X | C(CM)-UKFC209ED1;HE2309X | | | | | | | |
| FC209D1 | Z(ZM)-UKFC209SD1;HS2309X | C(CM)-UKFC209SD1;HS2309X | 1/8 | 2 1/4 | 1 7/64 | 2 3/4 | 6.2 | 6.4 | 7.5 |
| FC210D1 | Z(ZM)-UKFC210D1;H2310X | C(CM)-UKFC210D1;H2310X | 3 | 60 | 29 | 72 | 3.1 | 3.3 | 4.8 |
| FC210D1 | Z(ZM)-UKFC210SD1;HS2310 | C(CM)-UKFC210SD1;HS2310 | | | | | | | |
| FC210D1 | Z(ZM)-UKFC210AD1;HA2310 | C(CM)-UKFC210AD1;HA2310 | | | | | | | |
| FC210D1 | Z(ZM)-UKFC210ED1;HE2310X | C(CM)-UKFC210ED1;HE2310X | 1/8 | 2 3/8 | 3 3/8 | 2 53/64 | 6.8 | 7.3 | 11 |
| FC211D1 | Z(ZM)-UKFC211D1;H2311X | C(CM)-UKFC211D1;H2311X | 4 | 64 | 32.5 | 75 | 4.2 | 4.4 | 5.1 |
| FC211D1 | Z(ZM)-UKFC211SD1;HS2311 | C(CM)-UKFC211SD1;HS2311 | | | | | | | |
| FC211D1 | Z(ZM)-UKFC211AD1;HA2311 | C(CM)-UKFC211AD1;HA2311 | | | | | | | |
| FC211D1 | Z(ZM)-UKFC211ED1;HE2311XY | C(CM)-UKFC211ED1;HE2311XY | 5/32 | 2 1/2 | 3 3/8 | 2 61/64 | 9.3 | 9.7 | 11 |
| FC212D1 | Z(ZM)-UKFC212D1;H2312X | C(CM)-UKFC212D1;H2312X | 4 | 74 | 38 | 86 | 5.0 | 5.2 | 6.1 |
| FC212D1 | Z(ZM)-UKFC212SD1;HS2312 | C(CM)-UKFC212SD1;HS2312 | 5/32 | 2 29/32 | 3 3/8 | 3 25/64 | 11 | 11 | 13 |

## Round flanged unit, cast housing with spigot joint
## Adapter type

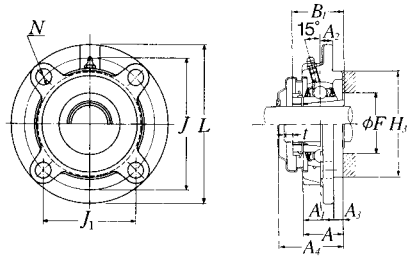



| Shaft dia. mm / inch | Unit number (1)(2) | Nominal dimensions mm / inch: L | J | (J1) | A2 | N | A3 | A1 | A | H3 | A0 | B1 | F min. | Bolt size mm / inch | Bearing number |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 60 | UKFC213D1;H2313X | 205 | 170 | 120.2 | 16 | 19 | 14 | 36 | 50 | 145 | 64 | 65 | 74 | M16 | UK213D1;H2313X |
| 2 3/16 | UKFC213D1;HA2313 | | | | | | | | | | | | | | UK213D1;HA2313 |
| 2 1/4 | UKFC213D1;HE2313X | 8 1/16 | 6 11/16 | 4 47/64 | 5/8 | 3/4 | 35/64 | 1 13/32 | 1 31/32 | 5.7087 | 2 33/64 | 2.559 | 2 29/32 | 5/8 | UK213D1;HE2313X |
| 2 3/8 | UKFC213D1;HS2313X | | | | | | | | | | | | | | UK213D1;HS2313X |
| 65 | UKFC215D1;H2315X | 220 | 184 | 130.1 | 18 | 19 | 16 | 40 | 56 | 160 | 71 | 73 | 84 | M16 | UK215D1;H2315X |
| 2 7/16 | UKFC215D1;HA2315 | 8 21/32 | 7 1/4 | 5 1/8 | 45/64 | 3/4 | 5/8 | 1 9/16 | 2 13/64 | 6.2992 | 2 51/64 | 2.874 | 3 5/16 | 5/8 | UK215D1;HA2315 |
| 2 1/2 | UKFC215D1;HE2315X | | | | | | | | | | | | | | UK215D1;HE2315X |
| 70 | UKFC216D1;H2316X | 240 | 200 | 141.4 | 18 | 23 | 16 | 42 | 58 | 170 | 73.5 | 78 | 90 | M20 | UK216D1;H2316X |
| 2 11/16 | UKFC216D1;HA2316 | 9 7/16 | 7 7/8 | 5 9/16 | 45/64 | 29/32 | 5/8 | 1 21/32 | 2 9/32 | 6.6929 | 2 57/64 | 3.071 | 3 17/32 | 3/4 | UK216D1;HA2316 |
| 2 3/4 | UKFC216D1;HE2316X | | | | | | | | | | | | | | UK216D1;HE2316X |
| 75 | UKFC217D1;H2317X | 250 | 208 | 147.1 | 18 | 23 | 18 | 45 | 63 | 180 | 77 | 82 | 95 | M20 | UK217D1;H2317X |
| 2 15/16 | UKFC217D1;HA2317X | 9 27/32 | 8 3/16 | 5 51/64 | 45/64 | 29/32 | 45/64 | 1 25/32 | 2 31/64 | 7.0866 | 3 1/32 | 3.228 | 3 3/4 | 3/4 | UK217D1;HA2317X |
| 3 | UKFC217D1;HE2317X | | | | | | | | | | | | | | UK217D1;HE2317X |
| 80 | UKFC218D1;H2318X | 265 | 220 | 155.6 | 22 | 23 | 18 | 50 | 68 | 190 | 81.5 | 86 | 102 | M20 | UK218D1;H2318X |
| 3 3/16 | UKFC218D1;HA2318X | 10 7/16 | 8 21/32 | 6 1/8 | 55/64 | 29/32 | 45/64 | 1 31/32 | 2 43/64 | 7.4803 | 3 13/64 | 3.386 | 4 1/32 | 3/4 | UK218D1;HA2318X |

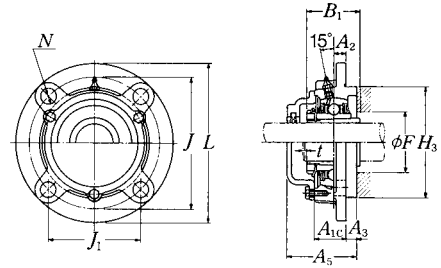
**Notes** (1) These numbers indicate relubricatable type. If maintenance free type is needed, please order without suffix "D1".
(2) Adapter number with suffix "X" means a narrow slot type adapter sleeve.
In this case the lock washer with the straight inner prong should be used.
(3) If the inch series housing units with dust cover are ordered with a closed end, the suffixes E, S or A are not included.
Example: ZM-UKFC205D1;HE2305

**Remarks** Please refer to page **A21** for size of grease fitting.





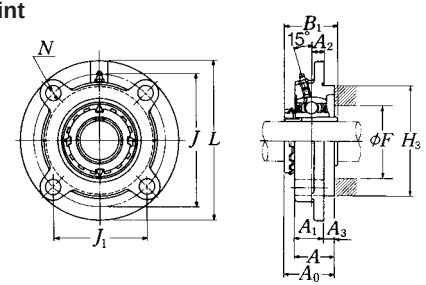

**Pressed steel dust cover type**
Open end **Z-UKFC···D1**
Closed end **ZM-UKFC···D1**




**Cast dust cover type**
Open end **C-UKFC···D1**
Closed end **CM-UKFC···D1**

| Housing number | Unit number (3) pressed steel dust cover type | Unit number (3) cast dust cover type | Nominal dimensions mm / inch: t max. | A4 | A1c | A5 | Mass of unit kg / lb: UKFC | Z(ZM) | C(CM) |
|---|---|---|---|---|---|---|---|---|---|
| FC213D1 | Z(ZM)-UKFC213D1;H2313X | C(CM)-UKFC213D1;H2313X | 4 | 76 | 38 | 89.5 | 6.0 | 6.1 | 7.1 |
| FC213D1 | Z(ZM)-UKFC213AD1;HA2313 | C(CM)-UKFC213AD1;HA2313 | | | | | | | |
| FC213D1 | Z(ZM)-UKFC213ED1;HE2313X | C(CM)-UKFC213ED1;HE2313X | 5/32 | 3 | 3 3/8 | 3 17/32 | 13 | 13 | 16 |
| FC213D1 | Z(ZM)-UKFC213SD1;HS2313X | C(CM)-UKFC213SD1;HS2313X | | | | | | | |
| FC215D1 | – | C(CM)-UKFC215D1;H2315X | 4 | – | 43 | 102 | 7.7 | – | 9.3 |
| FC215D1 | – | C(CM)-UKFC215AD1;HA2315 | 5/32 | – | 1 11/16 | 4 1/64 | 17 | – | 21 |
| FC215D1 | – | C(CM)-UKFC215ED1;HE2315X | | | | | | | |
| FC216D1 | – | C(CM)-UKFC216D1;H2316X | 4 | – | 43 | 106 | 9.5 | – | 11 |
| FC216D1 | – | C(CM)-UKFC216AD1;HA2316 | 5/32 | – | 1 11/16 | 4 11/64 | 21 | – | 24 |
| FC216D1 | – | C(CM)-UKFC216ED1;HE2316X | | | | | | | |
| FC217D1 | – | C(CM)-UKFC217D1;H2317X | 5 | – | 45.5 | 114 | 11 | – | 13 |
| FC217D1 | – | C(CM)-UKFC217AD1;HA2317X | 1 3/16 | – | 1 51/64 | 4 31/64 | 24 | – | 29 |
| FC217D1 | – | C(CM)-UKFC217ED1;HE2317X | | | | | | | |
| FC218D1 | – | C(CM)-UKFC218D1;H2318X | 5 | – | 50 | 122 | 13 | – | 15 |
| FC218D1 | – | C(CM)-UKFC218AD1;HA2318X | 1 3/16 | – | 1 31/32 | 4 51/64 | 29 | – | 33 |

## Round flanged unit, cast housing with spigot joint
## Adapter type



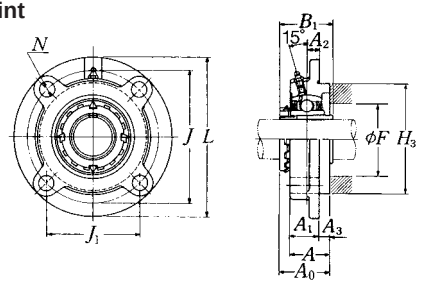

| Shaft dia. mm / inch | Unit number (1)(2)(3) | Nominal dimensions mm / inch | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | $L$ | $J$ | $(J_1)$ | $A_2$ | $N$ | $A_3$ | $A_1$ | $A$ | $H_3$ | $A_0$ | $B_1$ | $F$ min. |
| 20 | **UKFCX05D1;H2305X** | 111 | 92 | 65.1 | 10 | 9.5 | 6 | 24 | 30 | 76 | 37 | 35 | 30 |
| 3/4 | **UKFCX05D1;HE2305** | 4 3/8 | 3 5/8 | 2 9/16 | 25/64 | 3/8 | 1/4 | 15/16 | 1 3/16 | 2.9921 | 1 29/64 | 1.378 | 1 3/16 |
| 25 | **UKFCX06D1;H2306X** | 127 | 105 | 74.2 | 8 | 12 | 9.5 | 22.5 | 32 | 85 | 40 | 38 | 36 |
| 7/8 | **UKFCX06D1;HS2306** | | | | | | | | | | | | |
| 1 | **UKFCX06D1;HE2306X** | 5 | 4 9/64 | 2 59/64 | 5/16 | 15/32 | 3/8 | 7/8 | 1 17/64 | 3.3465 | 1 37/64 | 1.496 | 1 13/32 |
| 30 | **UKFCX07D1;H2307X** | 133 | 111 | 78.5 | 9 | 12 | 11 | 26 | 37 | 92 | 44.5 | 43 | 40 |
| 1 1/8 | **UKFCX07D1;HS2307** | 5 1/4 | 4 3/8 | 3 3/32 | 23/64 | 15/32 | 7/16 | 1 1/32 | 1 29/64 | 3.6220 | 1 3/4 | 1.693 | 1 9/16 |
| 35 | **UKFCX08D1;H2308X** | 133 | 111 | 78.5 | 9 | 12 | 11 | 26 | 37 | 92 | 45.5 | 46 | 46 |
| 1 1/4 | **UKFCX08D1;HE2308X** | | | | | | | | | | | | |
| 1 3/8 | **UKFCX08D1;HS2308X** | 5 1/4 | 4 3/8 | 3 3/32 | 23/64 | 15/32 | 7/16 | 1 1/32 | 1 29/64 | 3.6220 | 1 51/64 | 1.811 | 1 13/16 |
| 40 | **UKFCX09D1;H2309X** | 155 | 130 | 91.9 | 8 | 14 | 12 | 25 | 37 | 108 | 47 | 50 | 52 |
| 1 7/16 | **UKFCX09D1;HA2309** | | | | | | | | | | | | |
| 1 1/2 | **UKFCX09D1;HE2309X** | 6 3/32 | 5 1/8 | 3 5/8 | 5/16 | 35/64 | 15/32 | 31/32 | 1 29/64 | 4.2520 | 1 27/32 | 1.969 | 2 1/16 |
| 1 5/8 | **UKFCX09D1;HS2309X** | | | | | | | | | | | | |
| 45 | **UKFCX10D1;H2310X** | 162 | 136 | 96.2 | 7 | 14 | 16 | 25 | 41 | 118 | 52.5 | 55 | 57 |
| 1 5/8 | **UKFCX10D1;HS2310** | | | | | | | | | | | | |
| 1 11/16 | **UKFCX10D1;HA2310** | 6 3/8 | 5 23/64 | 3 25/32 | 9/32 | 35/64 | 5/8 | 31/32 | 1 39/64 | 4.6457 | 2 1/16 | 2.165 | 2 1/4 |
| 1 3/4 | **UKFCX10D1;HE2310X** | | | | | | | | | | | | |
| 50 | **UKFCX11D1;H2311X** | 180 | 152 | 107.5 | 4 | 16 | 22 | 26 | 48 | 127 | 57 | 59 | 64 |
| 1 7/8 | **UKFCX11D1;HS2311** | | | | | | | | | | | | |
| 1 15/16 | **UKFCX11D1;HA2311** | 7 3/32 | 5 63/64 | 4 15/64 | 5/32 | 5/8 | 55/64 | 1 1/32 | 1 57/64 | 5.0000 | 2 1/4 | 2.323 | 2 17/32 |
| 2 | **UKFCX11D1;HE2311XY** | | | | | | | | | | | | |
| 55 | **UKFCX12D1;H2312X** | 194 | 165 | 116.7 | 11 | 16 | 20 | 33 | 53 | 140 | 64 | 62 | 69 |
| 2 1/8 | **UKFCX12D1;HS2312** | 7 5/8 | 6 1/2 | 4 19/32 | 7/16 | 5/8 | 25/32 | 1 5/16 | 2 5/64 | 5.5118 | 2 33/64 | 2.441 | 2 23/32 |

| Bolt size mm / inch | Bearing number | Housing number | Mass of unit kg / lb |
|---|---|---|---|
| M8 | UKX05D1;H2305X | FCX05D1 | 1.2 |
| 5/16 | UKX05D1;HE2305 | FCX05D1 | 2.6 |
| M10 | UKX06D1;H2306X | FCX06D1 | 1.5 |
| | UKX06D1;HS2306 | FCX06D1 | |
| 5/8 | UKX06D1;HE2306X | FCX06D1 | 3.3 |
| M10 | UKX07D1;H2307X | FCX07D1 | 1.9 |
| 3/8 | UKX07D1;HS2307 | FCX07D1 | 4.2 |
| M10 | UKX08D1;H2308X | FCX08D1 | 2.2 |
| | UKX08D1;HE2308X | FCX08D1 | |
| 3/8 | UKX08D1;HS2308X | FCX08D1 | 4.9 |
| M12 | UKX09D1;H2309X | FCX09D1 | 2.7 |
| | UKX09D1;HA2309 | FCX09D1 | |
| 7/16 | UKX09D1;HE2309X | FCX09D1 | 6.0 |
| | UKX09D1;HS2309X | FCX09D1 | |
| M12 | UKX10D1;H2310X | FCX10D1 | 3.1 |
| | UKX10D1;HS2310 | FCX10D1 | |
| 7/16 | UKX10D1;HA2310 | FCX10D1 | 6.8 |
| | UKX10D1;HE2310X | FCX10D1 | |
| M14 | UKX11D1;H2311X | FCX11D1 | 4.2 |
| | UKX11D1;HS2311 | FCX11D1 | |
| 1/2 | UKX11D1;HA2311 | FCX11D1 | 9.3 |
| | UKX11D1;HE2311XY | FCX11D1 | |
| M14 | UKX12D1;H2312X | FCX12D1 | 5.5 |
| 1/2 | UKX12D1;HS2312 | FCX12D1 | 12 |

**Notes** (1) These numbers indicate relubricatable type. If maintenance free type is needed, please order without suffix "D1".
(2) Adapter number with suffix "X" means a narrow slot type adapter sleeve.
In this case the lock washer with the straight inner prong should be used.
(3) For HE2311XY, screw thread pitch different from the standard is applied, because of the thin thread section of sleeve.
To distinguish it, a suffix "Y" is added.

**Remarks** Please refer to page **A21** for size of grease fitting.

## Round flanged unit, cast housing with spigot joint
## Adapter type



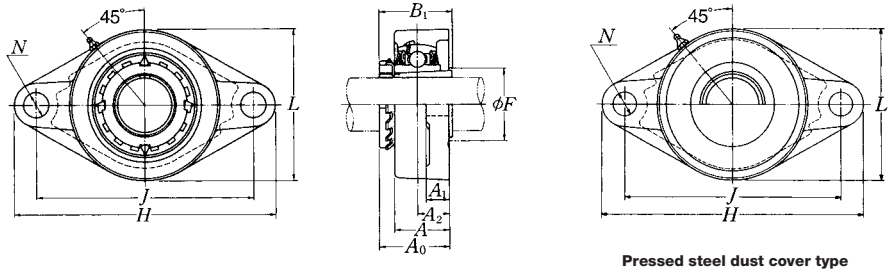

| Shaft dia. mm / inch | Unit number (1)(2) | Nominal dimensions mm / inch | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | $L$ | $J$ | $(J_1)$ | $A_2$ | $N$ | $A_3$ | $A_1$ | $A$ | $H_3$ | $A_0$ | $B_1$ | $F$ min. |
| 60 | **UKFCX13D1;H2313X** | 194 | 165 | 116.7 | 11 | 16 | 20 | 33 | 53 | 140 | 66 | 65 | 74 |
| 2 3/16 | **UKFCX13D1;HA2313** | | | | | | | | | | | | |
| 2 1/4 | **UKFCX13D1;HE2313X** | 7 5/8 | 6 1/2 | 4 19/32 | 7/16 | 5/8 | 25/32 | 1 5/16 | 2 5/64 | 5.5118 | 2 19/32 | 2.559 | 2 29/32 |
| 2 3/8 | **UKFCX13D1;HS2313X** | | | | | | | | | | | | |
| 65 | **UKFCX15D1;H2315X** | 222 | 190 | 134.4 | 12 | 19 | 22 | 35 | 57 | 164 | 71.5 | 73 | 84 |
| 2 7/16 | **UKFCX15D1;HA2315** | | | | | | | | | | | | |
| 2 1/2 | **UKFCX15D1;HE2315X** | 8 3/4 | 7 31/64 | 5 9/32 | 15/32 | 3/4 | 55/64 | 1 3/8 | 2 1/4 | 6.4567 | 2 13/16 | 2.874 | 3 5/16 |
| 70 | **UKFCX16D1;H2316X** | 260 | 219 | 154.9 | 10 | 23 | 25 | 36 | 61 | 186 | 75 | 78 | 90 |
| 2 11/16 | **UKFCX16D1;HA2316** | | | | | | | | | | | | |
| 2 3/4 | **UKFCX16D1;HE2316X** | 10 1/4 | 8 5/8 | 6 3/32 | 25/64 | 29/32 | 63/64 | 1 13/32 | 2 13/32 | 7.3228 | 2 61/64 | 3.071 | 3 17/32 |
| 75 | **UKFCX17D1;H2317X** | 260 | 219 | 154.9 | 10 | 23 | 25 | 36 | 61 | 186 | 76.5 | 82 | 95 |
| 2 15/16 | **UKFCX17D1;HA2317X** | | | | | | | | | | | | |
| 3 | **UKFCX17D1;HE2317X** | 10 1/4 | 8 5/8 | 6 3/32 | 25/64 | 29/32 | 63/64 | 1 13/32 | 2 13/32 | 7.3228 | 3 1/64 | 3.228 | 3 3/4 |
| 80 | **UKFCX18D1;H2318X** | 260 | 219 | 154.9 | 12 | 23 | 28 | 43 | 71 | 186 | 82.5 | 86 | 102 |
| 3 3/16 | **UKFCX18D1;HA2318X** | 10 1/4 | 8 5/8 | 6 3/32 | 15/32 | 29/32 | 1 7/64 | 1 11/16 | 2 51/64 | 7.3228 | 3 1/4 | 3.386 | 4 1/32 |
| 90 | **UKFCX20D1;H2320X** | 276 | 238 | 168.3 | 22 | 23 | 28 | 66 | 94 | 206 | 98.5 | 97 | 112 |

| Bolt size mm / inch | Bearing number | Housing number | Mass of unit kg / lb |
|---|---|---|---|
| M14 | UKX13D1;H2313X | FCX13D1 | 5.4 |
| | UKX13D1;HA2313 | FCX13D1 | |
| 1/2 | UKX13D1;HE2313X | FCX13D1 | 12 |
| | UKX15D1;HS2313X | FCX13D1 | |
| M16 | UKX15D1;H2315X | FCX15D1 | 8.2 |
| 5/8 | UKX15D1;HA2315 | FCX15D1 | 18 |
| | UKX15D1;HE2315X | FCX15D1 | |
| M20 | UKX16D1;H2316X | FCX16D1 | 12 |
| 3/4 | UKX16D1;HA2316 | FCX16D1 | 26 |
| | UKX16D1;HE2316X | FCX16D1 | |
| M20 | UKX17D1;H2317X | FCX17D1 | 12 |
| 3/4 | UKX17D1;HA2317X | FCX17D1 | 26 |
| | UKX17D1;HE2317X | FCX17D1 | |
| M20 | UKX18D1;H2318X | FCX18D1 | 12 |
| 3/4 | UKX18D1;HA2318X | FCX18D1 | 26 |
| M20 | UKX20D1;H2320X | FCX20D1 | 18 |

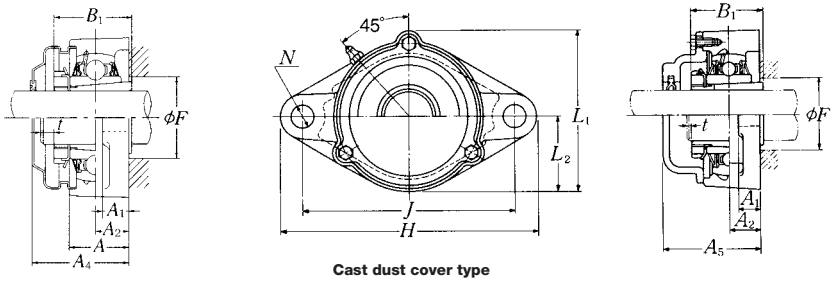
**Notes** (1) These numbers indicate relubricatable type. If maintenance free type is needed, please order without suffix "D1".
(2) Adapter number with suffix "X" means a narrow slot type adapter sleeve.
In this case the lock washer with the straight inner prong should be used.

**Remarks** Please refer to page **A21** for size of grease fitting.

## Rhombus flanged unit, cast housing
## Adapter type




**Pressed steel dust cover type**
Open end **Z-UKFL···D1**
Closed end **ZM-UKFL···D1**




**Cast dust cover type**
Open end **C-UKFL···D1**
Closed end **CM-UKFL···D1**

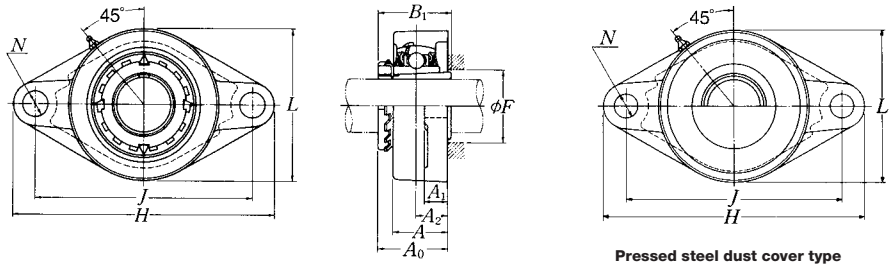
| Shaft dia. mm / inch | Unit number (1)(2)(3) | Nominal dimensions mm / inch: H | J | $A_2$ | $A_1$ | A | N | L | $A_0$ | $B_1$ | F min. | Bolt size mm / inch | Bearing number |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 20 | UKFL205D1;H2305X | 130 | 99 | 16 | 13 | 27 | 16 | 68 | 35.5 | 35 | 30 | M14 | UK205D1;H2305X |
| 3/4 | UKFL205D1;HE2305 | 5 1/8 | 3 57/64 | 5/8 | 1/2 | 1 1/16 | 5/8 | 2 11/16 | 1 25/64 | 1.378 | 1 3/16 | 1/2 | UK205D1;HE2305 |
| 25 | UKFL206D1;H2306X | 148 | 117 | 18 | 13 | 31 | 16 | 80 | 39 | 38 | 36 | M14 | UK206D1;H2306X |
| 7/8 | UKFL206D1;HS2306 | | | | | | | | | | | | UK206D1;HS2306 |
| 1 | UKFL206D1;HE2306X | 5 13/16 | 4 39/64 | 45/64 | 1/2 | 1 7/32 | 5/8 | 3 5/32 | 1 17/32 | 1.496 | 1 13/32 | 1/2 | UK206D1;HE2306X |
| 30 | UKFL207D1;H2307X | 161 | 130 | 19 | 15 | 34 | 16 | 90 | 42.5 | 43 | 40 | M14 | UK207D1;H2307X |
| 1 1/8 | UKFL207D1;HS2307 | 6 11/32 | 5 1/8 | 3/4 | 19/32 | 1 11/32 | 5/8 | 3 17/32 | 1 43/64 | 1.693 | 1 9/16 | 1/2 | UK207D1;HS2307 |
| 35 | UKFL208D1;H2308X | 175 | 144 | 21 | 15 | 36 | 16 | 100 | 46.5 | 46 | 46 | M14 | UK208D1;H2308X |
| 1 1/4 | UKFL208D1;HE2308X | | | | | | | | | | | | UK208D1;HE2308X |
| 1 3/8 | UKFL208D1;HS2308X | 6 7/8 | 5 43/64 | 53/64 | 19/32 | 1 13/32 | 5/8 | 3 15/16 | 1 53/64 | 1.811 | 1 13/16 | 1/2 | UK208D1;HS2308X |
| 40 | UKFL209D1;H2309X | 188 | 148 | 22 | 16 | 38 | 19 | 108 | 48.5 | 50 | 52 | M16 | UK209D1;H2309X |
| 1 7/16 | UKFL209D1;HA2309 | | | | | | | | | | | | UK209D1;HA2309 |
| 1 1/2 | UKFL209D1;HE2309X | 7 13/32 | 5 53/64 | 55/64 | 5/8 | 1 1/2 | 3/4 | 4 1/4 | 1 29/32 | 1.969 | 2 1/16 | 5/8 | UK209D1;HE2309X |
| 1 5/8 | UKFL209D1;HS2309X | | | | | | | | | | | | UK209D1;HS2309X |
| 45 | UKFL210D1;H2310X | 197 | 157 | 22 | 16 | 40 | 19 | 115 | 50 | 55 | 57 | M16 | UK210D1;H2310X |
| 1 5/8 | UKFL210D1;HS2310 | | | | | | | | | | | | UK210D1;HS2310 |
| 1 11/16 | UKFL210D1;HA2310 | 7 3/4 | 6 3/16 | 55/64 | 5/8 | 1 9/16 | 3/4 | 4 17/32 | 1 31/32 | 2.165 | 2 1/4 | 5/8 | UK210D1;HA2310 |
| 1 3/4 | UKFL210D1;HE2310X | | | | | | | | | | | | UK210D1;HE2310X |
| 50 | UKFL211D1;H2311X | 224 | 184 | 25 | 18 | 43 | 19 | 130 | 54.5 | 59 | 64 | M16 | UK211D1;H2311X |
| 1 7/8 | UKFL211D1;HS2311 | | | | | | | | | | | | UK211D1;HS2311 |
| 1 15/16 | UKFL211D1;HA2311 | 8 13/16 | 7 1/4 | 63/64 | 23/32 | 1 11/16 | 3/4 | 5 1/8 | 2 9/64 | 2.323 | 2 17/32 | 5/8 | UK211D1;HA2311 |
| 2 | UKFL211D1;HE2311XY | | | | | | | | | | | | UK211D1;HE2311XY |
| 55 | UKFL212D1;H2312X | 250 | 202 | 29 | 18 | 48 | 23 | 140 | 61 | 62 | 69 | M20 | UK212D1;H2312X |
| 2 1/8 | UKFL212D1;HS2312 | 9 27/32 | 7 61/64 | 1 9/64 | 23/32 | 1 7/8 | 29/32 | 5 1/2 | 2 13/32 | 2.441 | 2 23/32 | 3/4 | UK212D1;HS2312 |

| Housing number | Unit number (4) pressed steel dust cover type | Unit number (4) cast dust cover type | Nominal dimensions mm / inch: t max. | $A_4$ | $A_5$ | $L_1$ | $L_2$ | Mass of unit kg / lb: UKFL | Z(ZM) | C(CM) |
|---|---|---|---|---|---|---|---|---|---|---|
| FL205D1 | Z(ZM)-UKFL205D1;H2305X | C(CM)-UKFL205D1;H2305X | 2 | 40 | 51 | 74 | 34 | 0.6 | 0.7 | 0.8 |
| FL205D1 | Z(ZM)-UKFL205ED1;HE2305 | C(CM)-UKFL205ED1;HE2305 | 5/64 | 1 19/32 | 2 | 2 29/32 | 1 11/32 | 1.3 | 1.5 | 1.8 |
| FL206D1 | Z(ZM)-UKFL206D1;H2306X | C(CM)-UKFL206D1;H2306X | 2 | 45 | 56 | 85 | 40 | 0.9 | 1.0 | 1.2 |
| FL206D1 | Z(ZM)-UKFL206SD1;HS2306 | C(CM)-UKFL206SD1;HS2306 | | | | | | | | |
| FL206D1 | Z(ZM)-UKFL206ED1;HE2306X | C(CM)-UKFL206ED1;HE2306X | 5/64 | 1 3/4 | 2 7/32 | 3 11/32 | 1 9/16 | 2.0 | 2.2 | 2.9 |
| FL207D1 | Z(ZM)-UKFL207D1;H2307X | C(CM)-UKFL207D1;H2307X | 3 | 49 | 59 | 97 | 45 | 1.3 | 1.3 | 1.6 |
| FL207D1 | Z(ZM)-UKFL207SD1;HS2307 | C(CM)-UKFL207SD1;HS2307 | 1/8 | 1 15/16 | 2 5/16 | 3 13/16 | 1 25/32 | 2.9 | 2.9 | 3.5 |
| FL208D1 | Z(ZM)-UKFL208D1;H2308X | C(CM)-UKFL208D1;H2308X | 3 | 56 | 66 | 106 | 50 | 1.6 | 1.7 | 2.1 |
| FL208D1 | Z(ZM)-UKFL208ED1;HE2308X | C(CM)-UKFL208ED1;HE2308X | | | | | | | | |
| FL208D1 | Z(ZM)-UKFL208SD1;HS2308X | C(CM)-UKFL208SD1;HS2308X | 1/8 | 2 3/16 | 2 19/32 | 4 3/16 | 1 31/32 | 3.5 | 3.7 | 4.6 |
| FL209D1 | Z(ZM)-UKFL209D1;H2309X | C(CM)-UKFL209D1;H2309X | 3 | 57 | 70 | 113 | 54 | 2.0 | 2.1 | 2.5 |
| FL209D1 | Z(ZM)-UKFL209AD1;HA2309 | C(CM)-UKFL209AD1;HA2309 | | | | | | | | |
| FL209D1 | Z(ZM)-UKFL209ED1;HE2309X | C(CM)-UKFL209ED1;HE2309X | 1/8 | 2 1/4 | 2 3/4 | 4 7/16 | 2 1/8 | 4.4 | 4.6 | 5.7 |
| FL209D1 | Z(ZM)-UKFL209SD1;HS2309X | C(CM)-UKFL209SD1;HS2309X | | | | | | | | |
| FL210D1 | Z(ZM)-UKFL210D1;H2310X | C(CM)-UKFL210D1;H2310X | 3 | 60 | 72 | 120 | 58 | 2.2 | 2.4 | 2.9 |
| FL210D1 | Z(ZM)-UKFL210SD1;HS2310 | C(CM)-UKFL210SD1;HS2310 | | | | | | | | |
| FL210D1 | Z(ZM)-UKFL210AD1;HA2310 | C(CM)-UKFL210AD1;HA2310 | 1/8 | 2 3/8 | 2 27/32 | 4 23/32 | 2 9/32 | 4.9 | 5.3 | 6.4 |
| FL210D1 | Z(ZM)-UKFL210ED1;HE2310X | C(CM)-UKFL210ED1;HE2310X | | | | | | | | |
| FL211D1 | Z(ZM)-UKFL211D1;H2311X | C(CM)-UKFL211D1;H2311X | 4 | 64 | 75 | 133 | 65 | 3.1 | 3.4 | 3.7 |
| FL211D1 | Z(ZM)-UKFL211SD1;HS2311 | C(CM)-UKFL211SD1;HS2311 | | | | | | | | |
| FL211D1 | Z(ZM)-UKFL211AD1;HA2311 | C(CM)-UKFL211AD1;HA2311 | 5/32 | 2 1/2 | 2 15/16 | 5 1/4 | 2 9/16 | 6.8 | 7.5 | 8.2 |
| FL211D1 | Z(ZM)-UKFL211ED1;HE2311XY | C(CM)-UKFL211ED1;HE2311XY | | | | | | | | |
| FL212D1 | Z(ZM)-UKFL212D1;H2312X | C(CM)-UKFL212D1;H2312X | 4 | 74 | 86 | 144 | 70 | 3.9 | 4.2 | 4.7 |
| FL212D1 | Z(ZM)-UKFL212SD1;HS2312 | C(CM)-UKFL212SD1;HS2312 | 5/32 | 2 29/32 | 3 3/8 | 5 21/32 | 2 3/4 | 8.6 | 9.3 | 10 |

**Notes** (1) These numbers indicate relubricatable type. If maintenance free type is needed, please order without suffix "D1".
(2) Adapter number with suffix "X" means a narrow slot type adapter sleeve.
In this case the lock washer with the straight inner prong should be used.
(3) For HE2311XY, screw thread pitch different from the standard is applied, because of the thin thread section of sleeve.
To distinguish it, a suffix "Y" is added.
(4) If the inch series housing units with dust cover are ordered with a closed end, the suffixes E, S or A are not included.
Example: ZM-UKFL205D1;HE2305

**Remarks** Please refer to page **A21** for size of grease fitting.

## Rhombus flanged unit, cast housing
## Adapter type



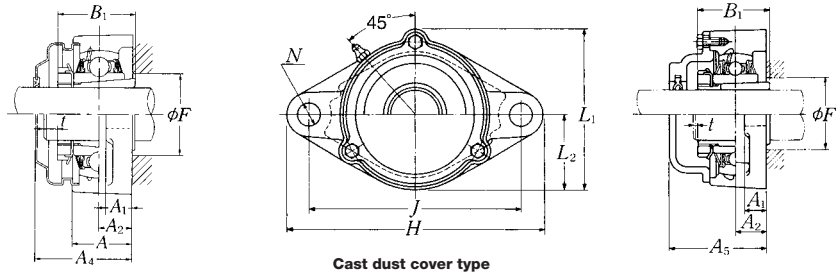

**Pressed steel dust cover type**
Open end **Z-UKFL···D1**
Closed end **ZM-UKFL···D1**

| Shaft dia. mm / inch | Unit number (1)(2) | Nominal dimensions mm / inch: H | J | $A_2$ | $A_1$ | A | N | L | $A_0$ | $B_1$ | F min. | Bolt size mm / inch | Bearing number |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 60 | UKFL213D1;H2313X | 258 | 210 | 30 | 22 | 50 | 23 | 155 | 64 | 65 | 74 | M20 | UK213D1;H2313X |
| $2\,^{3}/_{16}$ | UKFL213D1;HA2313 | | | | | | | | | | | | UK213D1;HA2313 |
| $2\,^{1}/_{4}$ | UKFL213D1;HE2313X | $10\,^{5}/_{32}$ | $8\,^{17}/_{64}$ | $1\,^{3}/_{16}$ | $^{7}/_{8}$ | $1\,^{31}/_{32}$ | $^{29}/_{32}$ | $6\,^{3}/_{32}$ | $2\,^{33}/_{64}$ | 2.559 | $2\,^{29}/_{32}$ | $^{3}/_{4}$ | UK213D1;HE2313X |
| $2\,^{3}/_{8}$ | UKFL213D1;HS2313X | | | | | | | | | | | | UK213D1;HS2313X |
| 65 | UKFL215D1;H2315X | 275 | 225 | 34 | 22 | 56 | 23 | 165 | 71 | 73 | 84 | M20 | UK215D1;H2315X |
| $2\,^{7}/_{16}$ | UKFL215D1;HA2315 | $10\,^{13}/_{16}$ | $8\,^{55}/_{64}$ | $1\,^{11}/_{32}$ | $^{7}/_{8}$ | $2\,^{7}/_{32}$ | $^{29}/_{32}$ | $6\,^{1}/_{2}$ | $2\,^{51}/_{64}$ | 2.874 | $3\,^{5}/_{16}$ | $^{3}/_{4}$ | UK215D1;HA2315 |
| $2\,^{1}/_{2}$ | UKFL215D1;HE2315X | | | | | | | | | | | | UK215D1;HE2315X |
| 70 | UKFL216D1;H2316X | 290 | 233 | 34 | 22 | 58 | 25 | 180 | 73.5 | 78 | 90 | M22 | UK216D1;H2316X |
| $2\,^{11}/_{16}$ | UKFL216D1;HA2316 | $11\,^{13}/_{32}$ | $9\,^{11}/_{64}$ | $1\,^{11}/_{32}$ | $^{7}/_{8}$ | $2\,^{9}/_{32}$ | $^{63}/_{64}$ | $7\,^{3}/_{32}$ | $2\,^{57}/_{64}$ | 3.071 | $3\,^{17}/_{32}$ | $^{7}/_{8}$ | UK216D1;HA2316 |
| $2\,^{3}/_{4}$ | UKFL216D1;HE2316X | | | | | | | | | | | | UK216D1;HE2316X |
| 75 | UKFL217D1;H2317X | 305 | 248 | 36 | 24 | 63 | 25 | 190 | 77 | 82 | 95 | M22 | UK217D1;H2317X |
| $2\,^{15}/_{16}$ | UKFL217D1;HA2317X | 12 | $9\,^{49}/_{64}$ | $1\,^{27}/_{64}$ | $^{15}/_{16}$ | $2\,^{15}/_{32}$ | $^{63}/_{64}$ | $7\,^{15}/_{32}$ | $3\,^{1}/_{32}$ | 3.228 | $3\,^{3}/_{4}$ | $^{7}/_{8}$ | UK217D1;HA2317X |
| 3 | UKFL217D1;HE2317X | | | | | | | | | | | | UK217D1;HE2317X |
| 80 | UKFL218D1;H2318X | 320 | 265 | 40 | 24 | 68 | 25 | 205 | 81.5 | 86 | 102 | M22 | UK218D1;H2318X |
| $3\,^{3}/_{16}$ | UKFL218D1;HA2318X | $12\,^{19}/_{32}$ | $10\,^{7}/_{16}$ | $1\,^{37}/_{64}$ | $^{15}/_{16}$ | $2\,^{11}/_{16}$ | $^{63}/_{64}$ | $8\,^{1}/_{16}$ | $3\,^{13}/_{64}$ | 3.386 | $4\,^{1}/_{32}$ | $^{7}/_{8}$ | UK218D1;HA2318X |

**Notes** (1) These numbers indicate relubricatable type. If maintenance free type is needed, please order without suffix "D1".
(2) Adapter number with suffix "X" means a narrow slot type adapter sleeve.
In this case the lock washer with the straight inner prong should be used.
(3) If the inch series housing units with dust cover are ordered with a closed end, the suffixes E, S or A are not included.
Example: ZM-UKFL205D1;HE2305

**Remarks** Please refer to page **A21** for size of grease fitting.

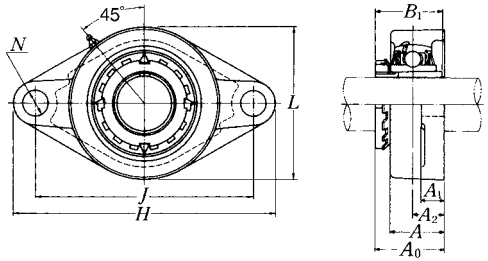





**Cast dust cover type**
Open end **C-UKFL···D1**
Closed end **CM-UKFL···D1**

| Housing number | Unit number (3) pressed steel dust cover type | Unit number (3) cast dust cover type | Nominal dimensions mm / inch: t max. | $A_4$ | $A_5$ | $L_1$ | $L_2$ | Mass of unit kg / lb: UKFL | Z(ZM) | C(CM) |
|---|---|---|---|---|---|---|---|---|---|---|
| FL213D1 | Z(ZM)-UKFL213D1;H2313X | C(CM)-UKFL213D1;H2313X | 4 | 76 | 90 | 157 | 78 | 5.0 | 5.4 | 6.0 |
| FL213D1 | Z(ZM)-UKFL213AD1;HA2313 | C(CM)-UKFL213AD1;HA2313 | | | | | | | | |
| FL213D1 | Z(ZM)-UKFL213ED1;HE2313X | C(CM)-UKFL213ED1;HE2313X | $^{5}/_{32}$ | 3 | $3\,^{17}/_{32}$ | $6\,^{3}/_{16}$ | $3\,^{1}/_{16}$ | 11 | 12 | 13 |
| FL213D1 | Z(ZM)-UKFL213SD1;HS2313X | C(CM)-UKFL213SD1;HS2313X | | | | | | | | |
| FL215D1 | — | C(CM)-UKFL215D1;H2315X | 4 | — | 102 | 169 | 82 | 6.2 | — | 7.6 |
| FL215D1 | — | C(CM)-UKFL215AD1;HA2315 | | | | | | | | |
| FL215D1 | — | C(CM)-UKFL215ED1;HE2315X | $^{5}/_{32}$ | — | $4\,^{1}/_{32}$ | $6\,^{21}/_{32}$ | $3\,^{7}/_{32}$ | 14 | — | 17 |
| FL216D1 | — | C(CM)-UKFL216D1;H2316X | 4 | — | 106 | 183 | 90 | 7.9 | — | 9.3 |
| FL216D1 | — | C(CM)-UKFL216AD1;HA2316 | | | | | | | | |
| FL216D1 | — | C(CM)-UKFL216ED1;HE2316X | $^{5}/_{32}$ | — | $4\,^{3}/_{16}$ | $7\,^{7}/_{32}$ | $3\,^{17}/_{32}$ | 17 | — | 21 |
| FL217D1 | — | C(CM)-UKFL217D1;H2317X | 5 | — | 114 | 192 | 95 | 9.2 | — | 11 |
| FL217D1 | — | C(CM)-UKFL217AD1;HA2317X | | | | | | | | |
| FL217D1 | — | C(CM)-UKFL217ED1;HE2317X | $^{13}/_{64}$ | — | $4\,^{1}/_{2}$ | $7\,^{9}/_{16}$ | $3\,^{3}/_{4}$ | 20 | — | 24 |
| FL218D1 | — | C(CM)-UKFL218D1;H2318X | 5 | — | 122 | 205 | 102 | 11 | — | 13 |
| FL218D1 | — | C(CM)-UKFL218AD1;HA2318X | $^{13}/_{64}$ | — | $4\,^{13}/_{16}$ | $8\,^{1}/_{16}$ | $4\,^{1}/_{32}$ | 24 | — | 29 |

## Rhombus flanged unit, cast housing
## Adapter type

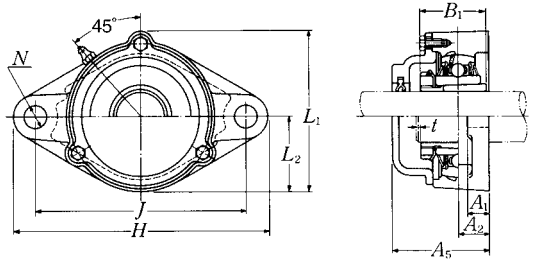



| Shaft dia. mm / inch | Unit number (1)(2)(3) | Nominal dimensions mm / inch H | J | $A_2$ | $A_1$ | A | N | L | $A_0$ | $B_1$ | Bolt size mm / inch |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 20 | UKFL305D1;H2305X | 150 | 113 | 16 | 13 | 29 | 19 | 80 | 37 | 35 | M16 |
| 3/4 | UKFL305D1;HE2305 | 5 29/32 | 4 29/64 | 5/8 | 1/2 | 1 5/32 | 3/4 | 3 5/32 | 1 29/64 | 1.378 | 5/8 |
| 25 | UKFL306D1;H2306X | 180 | 134 | 18 | 15 | 32 | 23 | 90 | 40.5 | 38 | M20 |
| 7/8 | UKFL306D1;HS2306 | 7 3/32 | 5 9/32 | 45/64 | 19/32 | 1 1/4 | 29/32 | 3 17/32 | 1 19/32 | 1.496 | 3/4 |
| 1 | UKFL306D1;HE2306X | | | | | | | | | | |
| 30 | UKFL307D1;H2307X | 185 | 141 | 20 | 16 | 36 | 23 | 100 | 45.5 | 43 | M20 |
| 1 1/8 | UKFL307D1;HS2307 | 7 9/32 | 5 35/64 | 25/32 | 5/8 | 1 13/32 | 29/32 | 3 15/16 | 1 51/64 | 1.693 | 3/4 |
| 35 | UKFL308D1;H2308X | 200 | 158 | 23 | 17 | 40 | 23 | 112 | 50 | 46 | M20 |
| 1 1/4 | UKFL308D1;HE2308X | 7 7/8 | 6 7/32 | 29/32 | 21/32 | 1 9/16 | 29/32 | 4 13/32 | 1 31/32 | 1.811 | 3/4 |
| 1 3/8 | UKFL308D1;HS2308X | | | | | | | | | | |
| 40 | UKFL309D1;H2309X | 230 | 177 | 25 | 18 | 44 | 25 | 125 | 54.5 | 50 | M22 |
| 1 7/16 | UKFL309D1;HA2309 | | | | | | | | | | |
| 1 1/2 | UKFL309D1;HE2309X | 9 1/16 | 6 31/32 | 63/64 | 23/32 | 1 23/32 | 63/64 | 4 29/32 | 2 9/64 | 1.969 | 7/8 |
| 1 5/8 | UKFL309D1;HS2309X | | | | | | | | | | |
| 45 | UKFL310D1;H2310X | 240 | 187 | 28 | 19 | 48 | 25 | 140 | 60.5 | 55 | M22 |
| 1 5/8 | UKFL310D1;HS2310 | | | | | | | | | | |
| 1 11/16 | UKFL310D1;HA2310 | 9 7/16 | 7 23/64 | 1 7/64 | 3/4 | 1 7/8 | 63/64 | 5 1/2 | 2 3/8 | 2.165 | 7/8 |
| 1 3/4 | UKFL310D1;HE2310X | | | | | | | | | | |
| 50 | UKFL311D1;H2311X | 250 | 198 | 30 | 20 | 52 | 25 | 150 | 64 | 59 | M22 |
| 1 7/8 | UKFL311D1;HS2311 | | | | | | | | | | |
| 1 15/16 | UKFL311D1;HA2311 | 9 27/32 | 7 51/64 | 1 3/16 | 25/32 | 2 1/16 | 63/64 | 5 29/32 | 2 33/64 | 2.323 | 7/8 |
| 2 | UKFL311D1;HE2311XY | | | | | | | | | | |
| 55 | UKFL312D1;H2312X | 270 | 212 | 33 | 22 | 56 | 31 | 160 | 69.5 | 62 | M27 |
| 2 1/8 | UKFL312D1;HS2312 | 10 5/8 | 8 11/32 | 1 19/64 | 7/8 | 2 7/32 | 1 7/32 | 6 5/16 | 2 47/64 | 2.441 | 1 |

**Notes** (1) These numbers indicate relubricatable type. If maintenance free type is needed, please order without suffix "D1".
(2) Adapter number with suffix "X" means a narrow slot type adapter sleeve. In this case the lock washer with the straight inner prong should be used.
(3) For HE2311XY, screw thread pitch different from the standard is applied, because of the thin thread section of sleeve. To distinguish it, a suffix "Y" is added.
(4) If the inch series housing units with dust cover are ordered with a closed end, the suffixes E, S or A are not included. Example: CM-UKFL305D1;HE2305

**Remarks** Please refer to page **A21** for size of grease fitting.

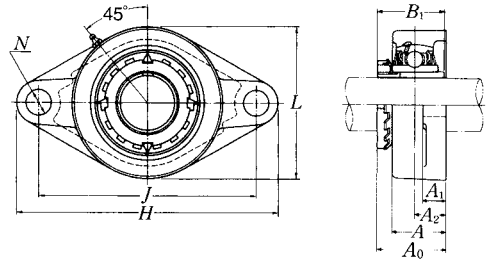





**Cast dust cover type**
Open end **C-UKFL···D1**
Closed end **CM-UKFL···D1**

| Bearing number | Housing number | Unit number (4) cast dust cover type | Nominal dimensions mm / inch t max. | $A_5$ | $L_1$ | $L_2$ | Mass of unit kg / lb UKFL | C(CM) |
|---|---|---|---|---|---|---|---|---|
| UK305D1;H2305X | FL305D1 | C(CM)-UKFL305D1;H2305X | 2 | 56 | 86 | 40 | 1.0 | 1.3 |
| UK305D1;HE2305 | FL305D1 | C(CM)-UKFL305ED1;HE2305 | 5/64 | 2 7/32 | 3 3/8 | 1 9/16 | 2.2 | 2.9 |
| UK306D1;H2306X | FL306D1 | C(CM)-UKFL306D1;H2306X | 2 | 60 | 101 | 45 | 1.5 | 1.8 |
| UK306D1;HS2306 | FL306D1 | C(CM)-UKFL306SD1;HS2306 | | | | | | |
| UK306D1;HE2306X | FL306D1 | C(CM)-UKFL306ED1;HE2306X | 5/64 | 2 3/8 | 3 31/32 | 1 25/32 | 3.3 | 4.0 |
| UK307D1;H2307X | FL307D1 | C(CM)-UKFL307D1;H2307X | 3 | 68 | 110 | 50 | 1.8 | 2.2 |
| UK307D1;HS2307 | FL307D1 | C(CM)-UKFL307SD1;HS2307 | 1/8 | 2 11/16 | 4 11/32 | 1 31/32 | 4.0 | 4.9 |
| UK308D1;H2308X | FL308D1 | C(CM)-UKFL308D1;H2308X | 3 | 76 | 122 | 56 | 2.2 | 3.0 |
| UK308D1;HE2308X | FL308D1 | C(CM)-UKFL308ED1;HE2308X | | | | | | |
| UK308D1;HS2308X | FL308D1 | C(CM)-UKFL308SD1;HS2308X | 1/8 | 3 | 4 13/16 | 2 7/32 | 4.9 | 6.6 |
| UK309D1;H2309X | FL309D1 | C(CM)-UKFL309D1;H2309X | 3 | 80 | 135 | 62 | 3.0 | 3.9 |
| UK309D1;HA2309 | FL309D1 | C(CM)-UKFL309AD1;HA2309 | | | | | | |
| UK309D1;HE2309X | FL309D1 | C(CM)-UKFL309ED1;HE2309X | | | | | | |
| UK309D1;HS2309X | FL309D1 | C(CM)-UKFL309SD1;HS2309X | 1/8 | 3 5/32 | 5 5/16 | 2 7/16 | 6.6 | 8.6 |
| UK310D1;H2310X | FL310D1 | C(CM)-UKFL310D1;H2310X | 3 | 88 | 152 | 70 | 4.1 | 5.1 |
| UK310D1;HS2310 | FL310D1 | C(CM)-UKFL310SD1;HS2310 | | | | | | |
| UK310D1;HA2310 | FL310D1 | C(CM)-UKFL310AD1;HA2310 | | | | | | |
| UK310D1;HE2310X | FL310D1 | C(CM)-UKFL310ED1;HE2310X | 1/8 | 3 15/32 | 5 31/32 | 2 3/4 | 9.0 | 11 |
| UK311D1;H2311X | FL311D1 | C(CM)-UKFL311D1;H2311X | 4 | 92 | 162 | 75 | 4.6 | 6.0 |
| UK311D1;HS2311 | FL311D1 | C(CM)-UKFL311SD1;HS2311 | | | | | | |
| UK311D1;HA2311 | FL311D1 | C(CM)-UKFL311AD1;HA2311 | | | | | | |
| UK311D1;HE2311XY | FL311D1 | C(CM)-UKFL311ED1;HE2311XY | 5/32 | 3 5/8 | 6 3/8 | 2 15/16 | 10 | 13 |
| UK312D1;H2312X | FL312D1 | C(CM)-UKFL312D1;H2312X | 4 | 100 | 175 | 80 | 5.7 | 7.7 |
| UK312D1;HS2312 | FL312D1 | C(CM)-UKFL312SD1;HS2312 | 5/32 | 3 15/16 | 6 7/8 | 3 5/32 | 13 | 17 |

## Rhombus flanged unit, cast housing
## Adapter type

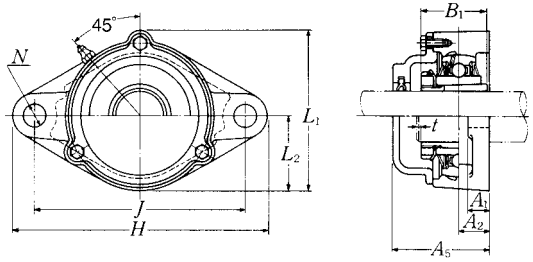



| Shaft dia. mm / inch | Unit number (1)(2) | Nominal dimensions mm / inch H | J | $A_2$ | $A_1$ | A | N | L | $A_0$ | $B_1$ | Bolt size mm / inch |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 60 | UKFL313D1;H2313X | 295 | 240 | 33 | 25 | 58 | 31 | 175 | 71.5 | 65 | M27 |
| 2 3/16 | UKFL313D1;HA2313 | | | | | | | | | | |
| 2 1/4 | UKFL313D1;HE2313X | 11 5/8 | 9 29/64 | 1 19/64 | 31/32 | 2 9/32 | 1 7/32 | 6 7/8 | 2 13/16 | 2.559 | 1 |
| 2 3/8 | UKFL313D1;HS2313X | | | | | | | | | | |
| 65 | UKFL315D1;H2315X | 320 | 260 | 39 | 30 | 66 | 35 | 195 | 81.5 | 73 | M30 |
| 2 7/16 | UKFL315D1;HA2315 | 12 19/32 | 10 15/64 | 1 17/32 | 1 3/16 | 2 19/32 | 1 3/8 | 7 11/16 | 3 13/64 | 2.874 | 1 1/8 |
| 2 1/2 | UKFL315D1;HE2315X | | | | | | | | | | |
| 70 | UKFL316D1;H2316X | 355 | 285 | 38 | 32 | 68 | 38 | 210 | 84 | 78 | M33 |
| 2 11/16 | UKFL316D1;HA2316 | 13 31/32 | 11 7/32 | 1 1/2 | 1 1/4 | 2 11/16 | 1 1/2 | 8 9/32 | 3 5/16 | 3.071 | 1 1/4 |
| 2 3/4 | UKFL316D1;HE2316X | | | | | | | | | | |
| 75 | UKFL317D1;H2317X | 370 | 300 | 44 | 32 | 74 | 38 | 220 | 92 | 82 | M33 |
| 2 15/16 | UKFL317D1;HA2317X | 14 9/16 | 11 13/16 | 1 47/64 | 1 1/4 | 2 29/32 | 1 1/2 | 8 21/32 | 3 5/8 | 3.228 | 1 1/4 |
| 3 | UKFL317D1;HE2317X | | | | | | | | | | |
| 80 | UKFL318D1;H2318X | 385 | 315 | 44 | 36 | 76 | 38 | 235 | 94 | 86 | M33 |
| 3 3/16 | UKFL318D1;HA2318X | 15 5/32 | 12 13/32 | 1 47/64 | 1 13/32 | 3 | 1 1/2 | 9 1/4 | 3 45/64 | 3.386 | 1 1/4 |
| 85 | UKFL319D1;H2319X | 405 | 330 | 59 | 40 | 94 | 41 | 250 | 111.5 | 90 | M36 |
| 3 1/4 | UKFL319D1;HE2319X | 15 15/16 | 12 63/64 | 2 21/64 | 1 9/16 | 3 11/16 | 1 39/64 | 9 27/32 | 4 25/64 | 3.543 | 1 3/8 |
| 90 | UKFL320D1;H2320X | 440 | 360 | 59 | 40 | 94 | 44 | 270 | 115.5 | 97 | M39 |
| 3 7/16 | UKFL320D1;HA2320 | 17 5/16 | 14 11/64 | 2 21/64 | 1 9/16 | 3 11/16 | 1 47/64 | 10 5/8 | 4 35/64 | 3.819 | 1 1/2 |
| 3 1/2 | UKFL320D1;HE2320X | | | | | | | | | | |
| 100 | UKFL322D1;H2322X | 470 | 390 | 60 | 42 | 96 | 44 | 300 | 121 | 105 | M39 |
| 110 | UKFL324D1;H2324 | 520 | 430 | 65 | 48 | 110 | 47 | 330 | 130 | 112 | M42 |
| 115 | UKFL326D1;H2326 | 550 | 460 | 65 | 50 | 115 | 47 | 360 | 133 | 121 | M42 |
| 125 | UKFL328D1;H2328 | 600 | 500 | 75 | 60 | 125 | 51 | 400 | 146.5 | 131 | M45 |

**Notes** (1) These numbers indicate relubricatable type. If maintenance free type is needed, please order without suffix "D1".
(2) Adapter number with suffix "X" means a narrow slot type adapter sleeve.
In this case the lock washer with the straight inner prong should be used.
(3) If the inch series housing units with dust cover are ordered with a closed end, the suffixes E, S or A are not included.
Example: CM-UKFL305D1;HE2305

**Remarks** Please refer to page **A21** for size of grease fitting.

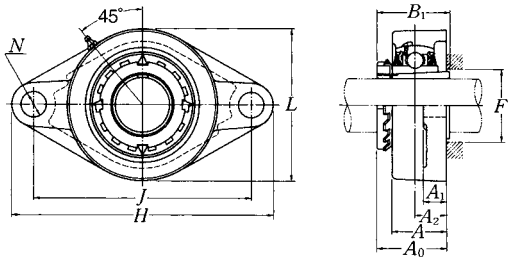





**Cast dust cover type**
Open end **C-UKFL···D1**
Closed end **CM-UKFL···D1**

| Bearing number | Housing number | Unit number (3) cast dust cover type | Nominal dimensions mm / inch t max. | $A_5$ | $L_1$ | $L_2$ | Mass of unit kg / lb UKFL | C(CM) |
|---|---|---|---|---|---|---|---|---|
| UK313D1;H2313X | FL313D1 | C(CM)-UKFL313D1;H2313X | 4 | 103 | 189 | 88 | 7.4 | 9.8 |
| UK313D1;HA2313 | FL313D1 | C(CM)-UKFL313AD1;HA2313 | | | | | | |
| UK313D1;HE2313X | FL313D1 | C(CM)-UKFL313ED1;HE2313X | 5/32 | 4 1/16 | 7 7/16 | 3 15/32 | 16 | 22 |
| UK313D1;HS2313X | FL313D1 | C(CM)-UKFL313SD1;HS2313X | | | | | | |
| UK315D1;H2315X | FL315D1 | C(CM)-UKFL315D1;H2315X | 4 | 114 | 210 | 98 | 9.9 | 13 |
| UK315D1;HA2315 | FL315D1 | C(CM)-UKFL315AD1;HA2315 | 5/32 | 4 1/2 | 8 9/32 | 3 27/32 | 22 | 29 |
| UK315D1;HE2315X | FL315D1 | C(CM)-UKFL315ED1;HE2315X | | | | | | |
| UK316D1;H2316X | FL316D1 | C(CM)-UKFL316D1;H2316X | 4 | 116 | 222 | 105 | 13 | 17 |
| UK316D1;HA2316 | FL316D1 | C(CM)-UKFL316AD1;HA2316 | 5/32 | 4 9/16 | 8 3/4 | 4 1/8 | 29 | 37 |
| UK316D1;HE2316X | FL316D1 | C(CM)-UKFL316ED1;HE2316X | | | | | | |
| UK317D1;H2317X | FL317D1 | C(CM)-UKFL317D1;H2317X | 5 | 127 | 234 | 110 | 15 | 18 |
| UK317D1;HA2317X | FL317D1 | C(CM)-UKFL317AD1;HA2317X | 13/64 | 5 | 9 7/32 | 4 11/32 | 33 | 40 |
| UK317D1;HE2317X | FL317D1 | C(CM)-UKFL317ED1;HE2317X | | | | | | |
| UK318D1;H2318X | FL318D1 | C(CM)-UKFL318D1;H2318X | 5 | 129 | 247 | 118 | 18 | 22 |
| UK318D1;HA2318X | FL318D1 | C(CM)-UKFL318AD1;HA2318X | 13/64 | 5 3/32 | 9 23/32 | 4 21/32 | 40 | 49 |
| UK319D1;H2319X | FL319D1 | C(CM)-UKFL319D1;H2319X | 5 | 149 | 260 | 125 | 22 | 27 |
| UK319D1;HE2319X | FL319D1 | C(CM)-UKFL319ED1;HE2319X | 13/64 | 5 7/8 | 10 1/4 | 4 29/32 | 49 | 60 |
| UK320D1;H2320X | FL320D1 | C(CM)-UKFL320D1;H2320X | 5 | 154 | 280 | 135 | 26 | 32 |
| UK320D1;HA2320 | FL320D1 | C(CM)-UKFL320AD1;HA2320 | 13/64 | 6 1/16 | 11 1/32 | 5 5/16 | 57 | 71 |
| UK320D1;HE2320X | FL320D1 | C(CM)-UKFL320ED1;HE2320X | | | | | | |
| UK322D1;H2322X | FL322D1 | C(CM)-UKFL322D1;H2322X | 5 | 160 | 315 | 150 | 34 | 41 |
| UK324D1;H2324 | FL324D1 | C(CM)-UKFL324D1;H2324 | 5 | 172 | 342 | 165 | 47 | 52 |
| UK326D1;H2326 | FL326D1 | C(CM)-UKFL326D1;H2326 | 6 | 178 | 376 | 180 | 58 | 65 |
| UK328D1;H2328 | FL328D1 | C(CM)-UKFL328D1;H2328 | 6 | 192 | 410 | 200 | 82 | 90 |

## Rhombus flanged unit, cast housing
## Adapter type

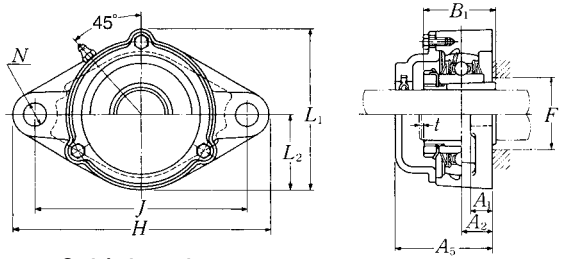



| Shaft dia. mm / inch | Unit number (1)(2) | Nominal dimensions mm / inch H | J | $A_2$ | $A_1$ | A | N | L | $A_0$ | $B_1$ | F min. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 20 | **UKFLX05D1;H2305X** | 141 | 117 | 18 | 13 | 30 | 12 | 83 | 39 | 35 | – |
| 3/4 | **UKFLX05D1;HE2305** | 5 9/16 | 4 39/64 | 45/64 | 1/2 | 1 3/16 | 15/32 | 3 9/32 | 1 17/32 | 1.378 | – |
| 25 | **UKFLX06D1;H2306X** | 156 | 130 | 19 | 15 | 34 | 16 | 95 | 41.5 | 38 | – |
| 7/8 | **UKFLX06D1;HS2306** | | | | | | | | | | |
| 1 | **UKFLX06D1;HE2306X** | 6 5/32 | 5 1/8 | 3/4 | 19/32 | 1 11/32 | 5/8 | 3 3/4 | 1 41/64 | 1.496 | – |
| 30 | **UKFLX07D1;H2307X** | 171 | 144 | 21 | 16 | 38 | 16 | 105 | 45.5 | 43 | – |
| 1 1/8 | **UKFLX07D1;HS2307** | 6 23/32 | 5 43/64 | 53/64 | 5/8 | 1 1/2 | 5/8 | 4 1/8 | 1 51/64 | 1.693 | – |
| 35 | **UKFLX08D1;H2308X** | 179 | 148 | 22 | 16 | 40 | 16 | 111 | 47.5 | 46 | 46 |
| 1 1/4 | **UKFLX08D1;HE2308X** | | | | | | | | | | |
| 1 3/8 | **UKFLX08D1;HS2308X** | 7 1/16 | 5 53/64 | 55/64 | 5/8 | 1 9/16 | 5/8 | 4 3/8 | 1 7/8 | 1.811 | 1 13/16 |
| 40 | **UKFLX09D1;H2309X** | 189 | 157 | 23 | 16 | 40 | 16 | 116 | 50 | 50 | 52 |
| 1 7/16 | **UKFLX09D1;HA2309** | | | | | | | | | | |
| 1 1/2 | **UKFLX09D1;HE2309X** | 7 7/16 | 6 3/16 | 29/32 | 5/8 | 1 9/16 | 5/8 | 4 9/16 | 1 31/32 | 1.969 | 2 1/16 |
| 1 5/8 | **UKFLX09D1;HS2309X** | | | | | | | | | | |
| 45 | **UKFLX10D1;H2310X** | 216 | 184 | 26 | 18 | 44 | 19 | 133 | 55.5 | 55 | 57 |
| 1 5/8 | **UKFLX10D1;HS2310** | | | | | | | | | | |
| 1 11/16 | **UKFLX10D1;HA2310** | 8 1/2 | 7 1/4 | 1 1/32 | 23/32 | 1 23/32 | 3/4 | 5 1/4 | 2 3/16 | 2.165 | 2 1/4 |
| 1 3/4 | **UKFLX10D1;HE2310X** | | | | | | | | | | |

**Notes** (1) These numbers indicate relubricatable type. If maintenance free type is needed, please order without suffix "D1".
(2) Adapter number with suffix "X" means a narrow slot type adapter sleeve.
In this case the lock washer with the straight inner prong should be used.
(3) If the inch series housing units with dust cover are ordered with a closed end, the suffixes E, S or A are not included.
Example: CM-UKFLX05D1;HE2305

**Remarks** Please refer to page **A21** for size of grease fitting.

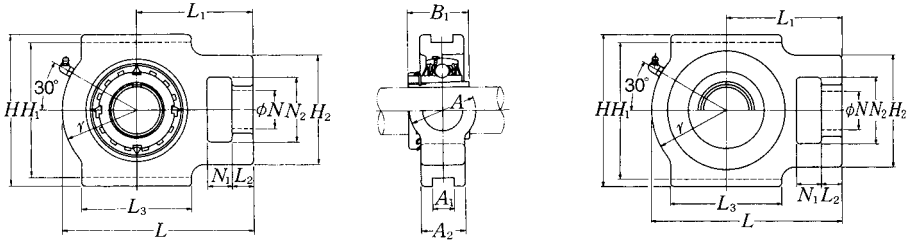





**Cast dust cover type**
Open end **C-UKFL···D1**
Closed end **CM-UKFL···D1**

| Bolt size mm / inch | Bearing number | Housing number | Unit number (3) cast dust cover type | Nominal dimensions mm / inch t max. | $A_5$ | $L_1$ | $L_2$ | Mass of unit kg lb UKF | C(CM) |
|---|---|---|---|---|---|---|---|---|---|
| M10 | UKX05D1;H2305X | FLX05D1 | **C(CM)-UKFLX05D1;H2305X** | 2 | 56 | 86 | 41.5 | 1.0 | 1.2 |
| 3/8 | UKX05D1;HE2305 | FLX05D1 | **C(CM)-UKFLX05ED1;HE2305** | 5/64 | 2 7/32 | 3 3/8 | 1 5/8 | 2.2 | 2.7 |
| M14 | UKX06D1;H2306X | FLX06D1 | **C(CM)-UKFLX06D1;H2306X** | 2 | 59 | 98.5 | 47.5 | 1.4 | 1.6 |
| | UKX06D1;HS2306 | FLX06D1 | **C(CM)-UKFLX06SD1;HS2306** | | | | | | |
| 1/2 | UKX06D1;HE2306X | FLX06D1 | **C(CM)-UKFLX06ED1;HE2306X** | 5/64 | 2 5/16 | 3 7/8 | 1 7/8 | 3.1 | 3.5 |
| M14 | UKX07D1;H2307X | FLX07D1 | **C(CM)-UKFLX07D1;H2307X** | 3 | 66 | 108.5 | 52.5 | 1.8 | 2.2 |
| 1/2 | UKX07D1;HS2307 | FLX07D1 | **C(CM)-UKFLX07SD1;HS2307** | 1/8 | 2 19/32 | 4 9/32 | 2 1/16 | 4.0 | 4.9 |
| M14 | UKX08D1;H2308X | FLX08D1 | **C(CM)-UKFLX08D1;H2308X** | 3 | 70 | 114.5 | 55.5 | 2.2 | 2.6 |
| | UKX08D1;HE2308X | FLX08D1 | **C(CM)-UKFLX08ED1;HE2308X** | | | | | | |
| 1/2 | UKX08D1;HS2308X | FLX08D1 | **C(CM)-UKFLX08SD1;HS2308X** | 1/8 | 2 3/4 | 4 1/4 | 2 3/16 | 4.9 | 5.7 |
| M14 | UKX09D1;H2309X | FLX09D1 | **C(CM)-UKFLX09D1;H2309X** | 3 | 73 | 119.5 | 58 | 2.2 | 2.7 |
| | UKX09D1;HA2309 | FLX09D1 | **C(CM)-UKFLX09AD1;HA2309** | | | | | | |
| 1/2 | UKX09D1;HE2309X | FLX09D1 | **C(CM)-UKFLX09ED1;HE2309X** | 1/8 | 2 7/8 | 4 23/32 | 2 9/32 | 4.9 | 6.0 |
| | UKX09D1;HS2309X | FLX09D1 | **C(CM)-UKFLX09SD1;HS2309X** | | | | | | |
| M16 | UKX10D1;H2310X | FLX10D1 | **C(CM)-UKFLX10D1;H2310X** | 3 | 76 | 133.5 | 66.5 | 3.1 | 3.6 |
| | UKX10D1;HS2310 | FLX10D1 | **C(CM)-UKFLX10SD1;HS2310** | | | | | | |
| 5/8 | UKX10D1;HA2310 | FLX10D1 | **C(CM)-UKFLX10AD1;HA2310** | 1/8 | 3 | 5 1/4 | 2 5/8 | 6.8 | 7.9 |
| | UKX10D1;HE2310X | FLX10D1 | **C(CM)-UKFLX10ED1;HE2310X** | | | | | | |

## Take-up unit, cast housing
## Adapter type

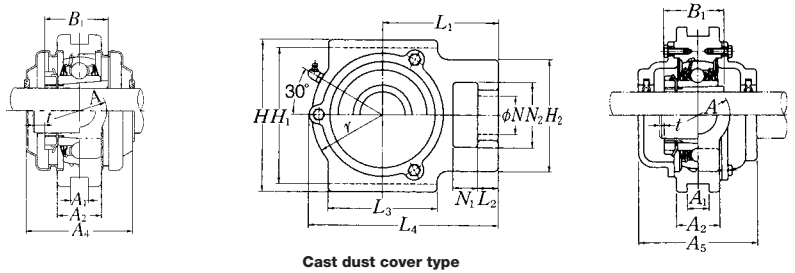



**Pressed steel dust cover type**
Open end **Z-UKT···D1**
Closed end **ZM-UKT···D1**

| Shaft dia. mm / inch | Unit number (1)(2)(3) | Nominal dimensions mm / inch $N_1$ | $L_2$ | $H_2$ | $N_2$ | $N$ | $L_3$ | $A_1$ | $H_1$ | $H$ | $L$ | $A_2$ | $A$ | $r$ | $L_1$ | $B_1$ | Bearing number |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 20 | UKT205D1;H2305X | 16 | 12 | 51 | 32 | 19 | 51 | 12 | 76 | 89 | 97 | 24 | 32 | 35 | 62 | 35 | UK205D1;H2305X |
| 3/4 | UKT205D1;HE2305 | 5/8 | 15/32 | 2 | 1 1/4 | 3/4 | 2 | 0.472 | 2 63/64 | 3 1/2 | 3 13/16 | 15/16 | 1 1/4 | 1 3/8 | 2 7/16 | 1.378 | UK205D1;HE2305 |
| 25 | UKT206D1;H2306X | 16 | 12 | 56 | 37 | 22 | 57 | 12 | 89 | 102 | 113 | 28 | 37 | 43 | 70 | 38 | UK206D1;H2306X |
| 7/8 | UKT206D1;HS2306 | | | | | | | | | | | | | | | | UK206D1;HS2306 |
| 1 | UKT206D1;HE2306X | 5/8 | 15/32 | 2 7/32 | 1 15/32 | 7/8 | 2 1/4 | 0.472 | 3 1/2 | 4 1/32 | 4 7/16 | 1 3/32 | 1 15/32 | 1 11/16 | 2 3/4 | 1.496 | UK206D1;HE2306X |
| 30 | UKT207D1;H2307X | 16 | 15 | 64 | 37 | 22 | 64 | 12 | 89 | 102 | 129 | 30 | 37 | 51 | 78 | 43 | UK207D1;H2307X |
| 1 1/8 | UKT207D1;HS2307 | 5/8 | 19/32 | 2 17/32 | 1 15/32 | 7/8 | 2 17/32 | 0.472 | 3 1/2 | 4 1/32 | 5 3/32 | 1 3/16 | 1 15/32 | 2 | 3 1/16 | 1.693 | UK207D1;HS2307 |
| 35 | UKT208D1;H2308X | 19 | 18 | 83 | 49 | 29 | 83 | 16 | 102 | 114 | 144 | 33 | 49 | 56 | 88 | 46 | UK208D1;H2308X |
| 1 1/4 | UKT208D1;HE2308X | | | | | | | | | | | | | | | | UK208D1;HE2308X |
| 1 3/8 | UKT208D1;HS2308X | 3/4 | 23/32 | 3 9/32 | 1 15/16 | 1 5/32 | 3 9/32 | 0.630 | 4 1/64 | 4 1/2 | 5 21/32 | 1 5/16 | 1 15/16 | 2 7/32 | 3 15/32 | 1.811 | UK208D1;HS2308X |
| 40 | UKT209D1;H2309X | 19 | 18 | 83 | 49 | 29 | 83 | 16 | 102 | 117 | 145 | 35 | 49 | 57 | 88 | 50 | UK209D1;H2309X |
| 1 7/16 | UKT209D1;HA2309 | | | | | | | | | | | | | | | | UK209D1;HA2309 |
| 1 1/2 | UKT209D1;HE2309X | 3/4 | 23/32 | 3 9/32 | 1 15/16 | 1 5/32 | 3 9/32 | 0.630 | 4 1/64 | 4 19/32 | 5 23/32 | 1 3/8 | 1 15/16 | 2 1/4 | 3 15/32 | 1.969 | UK209D1;HE2309X |
| 1 5/8 | UKT209D1;HS2309X | | | | | | | | | | | | | | | | UK209D1;HS2309X |
| 45 | UKT210D1;H2310X | 19 | 18 | 83 | 49 | 29 | 86 | 16 | 102 | 117 | 151 | 37 | 49 | 59 | 92 | 55 | UK210D1;H2310X |
| 1 5/8 | UKT210D1;HS2310 | | | | | | | | | | | | | | | | UK210D1;HS2310 |
| 1 11/16 | UKT210D1;HA2310 | 3/4 | 23/32 | 3 9/32 | 1 15/16 | 1 5/32 | 3 3/8 | 0.630 | 4 1/64 | 4 19/32 | 5 15/16 | 1 15/32 | 1 15/16 | 2 5/16 | 3 5/8 | 2.165 | UK210D1;HA2310 |
| 1 3/4 | UKT210D1;HE2310X | | | | | | | | | | | | | | | | UK210D1;HE2310X |
| 50 | UKT211D1;H2311X | 25 | 21 | 102 | 64 | 35 | 95 | 22 | 130 | 146 | 171 | 38 | 64 | 65 | 106 | 59 | UK211D1;H2311X |
| 1 7/8 | UKT211D1;HS2311 | | | | | | | | | | | | | | | | UK211D1;HS2311 |
| 1 15/16 | UKT211D1;HA2311 | 31/32 | 13/16 | 4 1/32 | 2 17/32 | 1 3/8 | 3 3/4 | 0.866 | 5 1/8 | 5 3/4 | 6 23/32 | 1 1/2 | 2 17/32 | 2 9/16 | 4 3/16 | 2.323 | UK211D1;HA2311 |
| 2 | UKT211D1;HE2311XY | | | | | | | | | | | | | | | | UK211D1;HE2311XY |
| 55 | UKT212D1;H2312X | 32 | 21 | 102 | 64 | 35 | 102 | 22 | 130 | 146 | 194 | 42 | 64 | 75 | 119 | 62 | UK212D1;H2312X |
| 2 1/8 | UKT212D1;HS2312 | 1 1/4 | 13/16 | 4 1/32 | 2 17/32 | 1 3/8 | 4 1/32 | 0.866 | 5 1/8 | 5 3/4 | 7 5/8 | 1 21/32 | 2 17/32 | 2 15/16 | 4 11/16 | 2.441 | UK212D1;HS2312 |

**Notes** (1) These numbers indicate relubricatable type. If maintenance free type is needed, please order without suffix "D1".
(2) Adapter number with suffix "X" means a narrow slot type adapter sleeve.
In this case the lock washer with the straight inner prong should be used.
(3) For HE2311XY, screw thread pitch different from the standard is applied, because of the thin thread section of sleeve.
To distinguish it, a suffix "Y" is added.

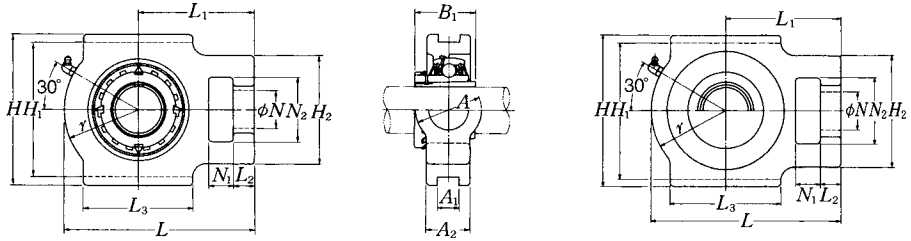
**Remarks** Please refer to page **A21** for size of grease fitting.




**Cast dust cover type**
Open end **C-UKT···D1**
Closed end **CM-UKT···D1**

| Housing number | Unit number pressed steel dust cover type | Unit number cast dust cover type | Nominal dimensions mm / inch $t$ max. | $A_4$ | $L_4$ | $A_5$ | Mass of unit kg / lb UKT | Z(ZM) | C(CM) |
|---|---|---|---|---|---|---|---|---|---|
| T205D1 | Z(ZM)-UKT205D1;H2305X | C(CM)-UKT205D1;H2305X | 2 | 48 | 100.5 | 70 | 0.9 | 0.9 | 1.2 |
| T205D1 | Z(ZM)-UKT205ED1;HE2305 | C(CM)-UKT205ED1;HE2305 | 5/8 | 1 29/32 | 3 31/32 | 2 3/4 | 2.0 | 2.0 | 2.6 |
| T206D1 | Z(ZM)-UKT206D1;H2306X | C(CM)-UKT206D1;H2306X | 2 | 53 | 113.5 | 75 | 1.3 | 1.4 | 1.8 |
| T206D1 | Z(ZM)-UKT206SD1;HS2306 | C(CM)-UKT206SD1;HS2306 | | | | | | | |
| T206D1 | Z(ZM)-UKT206ED1;HE2306X | C(CM)-UKT206ED1;HE2306X | 5/64 | 2 3/32 | 4 15/32 | 2 15/16 | 2.9 | 3.1 | 4.0 |
| T207D1 | Z(ZM)-UKT207D1;H2307X | C(CM)-UKT207D1;H2307X | 3 | 60 | 129 | 80 | 1.7 | 1.8 | 2.2 |
| T207D1 | Z(ZM)-UKT207SD1;HS2307 | C(CM)-UKT207SD1;HS2307 | 1/8 | 2 11/32 | 5 3/32 | 3 5/32 | 3.7 | 4.0 | 4.9 |
| T208D1 | Z(ZM)-UKT208D1;H2308X | C(CM)-UKT208D1;H2308X | 3 | 69 | 144 | 90 | 2.5 | 2.6 | 3.3 |
| T208D1 | Z(ZM)-UKT208ED1;HE2308X | C(CM)-UKT208ED1;HE2308X | | | | | | | |
| T208D1 | Z(ZM)-UKT208SD1;HS2308X | C(CM)-UKT208SD1;HS2308X | 1/8 | 2 23/32 | 5 21/32 | 3 17/32 | 5.5 | 5.7 | 7.3 |
| T209D1 | Z(ZM)-UKT209D1;H2309X | C(CM)-UKT209D1;H2309X | 3 | 69 | 145.5 | 95 | 2.5 | 2.6 | 3.5 |
| T209D1 | Z(ZM)-UKT209AD1;HA2309 | C(CM)-UKT209AD1;HA2309 | | | | | | | |
| T209D1 | Z(ZM)-UKT209ED1;HE2309X | C(CM)-UKT209ED1;HE2309X | 1/8 | 2 23/32 | 5 23/32 | 3 3/4 | 5.5 | 5.7 | 7.7 |
| T209D1 | Z(ZM)-UKT209SD1;HS2309X | C(CM)-UKT209SD1;HS2309X | | | | | | | |
| T210D1 | Z(ZM)-UKT210D1;H2310X | C(CM)-UKT210D1;H2310X | 3 | 76 | 152 | 100 | 2.7 | 2.8 | 3.8 |
| T210D1 | Z(ZM)-UKT210SD1;HS2310 | C(CM)-UKT210SD1;HS2310 | | | | | | | |
| T210D1 | Z(ZM)-UKT210AD1;HA2310 | C(CM)-UKT210AD1;HA2310 | 1/8 | 3 | 5 31/32 | 3 15/16 | 6.0 | 6.2 | 8.4 |
| T210D1 | Z(ZM)-UKT210ED1;HE2310X | C(CM)-UKT210ED1;HE2310X | | | | | | | |
| T211D1 | Z(ZM)-UKT211D1;H2311X | C(CM)-UKT211D1;H2311X | 4 | 77 | 171.5 | 100 | 4.1 | 4.3 | 5.3 |
| T211D1 | Z(ZM)-UKT211SD1;HS2311 | C(CM)-UKT211SD1;HS2311 | | | | | | | |
| T211D1 | Z(ZM)-UKT211AD1;HA2311 | C(CM)-UKT211AD1;HA2311 | 5/32 | 3 1/32 | 6 3/4 | 3 15/16 | 9.0 | 9.5 | 12 |
| T211D1 | Z(ZM)-UKT211ED1;HE2311XY | C(CM)-UKT211ED1;HE2311XY | | | | | | | |
| T212D1 | Z(ZM)-UKT212D1;H2312X | C(CM)-UKT212D1;H2312X | 4 | 89 | 194 | 115 | 4.9 | 5.2 | 6.3 |
| T212D1 | Z(ZM)-UKT212SD1;HS2312 | C(CM)-UKT212SD1;HS2312 | 5/32 | 3 1/2 | 7 5/8 | 4 17/32 | 11 | 11 | 14 |

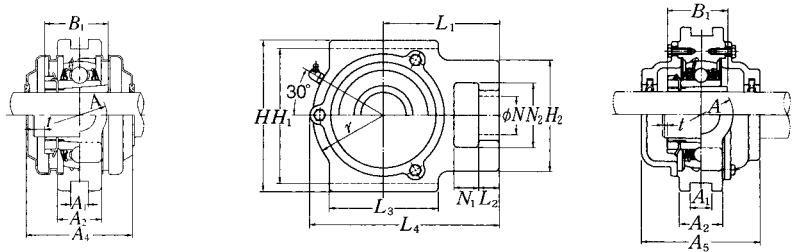
## Take-up unit, cast housing
## Adapter type




**Pressed steel dust cover type**
Open end **Z-UKT···D1**
Closed end **ZM-UKT···D1**

| Shaft dia. mm / inch | Unit number (1)(2) | Nominal dimensions mm / inch $N_1$ | $L_2$ | $H_2$ | $N_2$ | $N$ | $L_3$ | $A_1$ | $H_1$ | $H$ | $L$ | $A_2$ | $A$ | $r$ | $L_1$ | $B_1$ | Bearing number |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 60 | UKT213D1;H2313X | 32 | 23 | 111 | 70 | 41 | 121 | 26 | 151 | 167 | 224 | 44 | 70 | 87 | 137 | 65 | UK213D1;H2313X |
| 2 3/16 | UKT213D1;HA2313 | | | | | | | | | | | | | | | | UK213D1;HA2313 |
| 2 1/4 | UKT213D1;HE2313X | 1 1/4 | 29/32 | 4 3/8 | 2 3/4 | 1 5/8 | 4 3/4 | 1.024 | 5 15/16 | 6 9/16 | 8 13/16 | 1 23/32 | 2 3/4 | 3 7/16 | 5 13/32 | 2.559 | UK213D1;HE2313X |
| 2 3/8 | UKT213D1;HS2313X | | | | | | | | | | | | | | | | UK213D1;HS2313X |
| 65 | UKT215D1;H2315X | 32 | 23 | 111 | 70 | 41 | 121 | 26 | 151 | 167 | 232 | 48 | 70 | 92 | 140 | 73 | UK215D1;H2315X |
| 2 7/16 | UKT215D1;HA2315 | 1 1/4 | 29/32 | 4 3/8 | 2 3/4 | 1 5/8 | 4 3/4 | 1.024 | 5 15/16 | 6 9/16 | 9 1/8 | 1 7/8 | 2 3/4 | 3 5/8 | 5 1/2 | 2.874 | UK215D1;HA2315 |
| 2 1/2 | UKT215D1;HE2315X | | | | | | | | | | | | | | | | UK215D1;HE2315X |
| 70 | UKT216D1;H2316X | 32 | 23 | 111 | 70 | 41 | 121 | 26 | 165 | 184 | 235 | 51 | 70 | 95 | 140 | 78 | UK216D1;H2316X |
| 2 11/16 | UKT216D1;HA2316 | 1 1/4 | 29/32 | 4 3/8 | 2 3/4 | 1 5/8 | 4 3/4 | 1.024 | 6 1/2 | 7 1/4 | 9 1/4 | 2 | 2 3/4 | 3 3/4 | 5 1/2 | 3.071 | UK216D1;HA2316 |
| 2 3/4 | UKT216D1;HE2316X | | | | | | | | | | | | | | | | UK216D1;HE2316X |
| 75 | UKT217D1;H2317X | 38 | 31 | 124 | 73 | 48 | 157 | 30 | 173 | 198 | 260 | 54 | 73 | 98 | 162 | 82 | UK217D1;H2317X |
| 2 15/16 | UKT217D1;HA2317X | 1 1/2 | 1 7/32 | 4 7/8 | 2 7/8 | 1 7/8 | 6 3/16 | 1.181 | 6 13/16 | 7 25/32 | 10 1/4 | 2 1/8 | 2 7/8 | 3 27/32 | 6 3/8 | 3.228 | UK217D1;HA2317X |
| 3 | UKT217D1;HE2317X | | | | | | | | | | | | | | | | UK217D1;HE2317X |

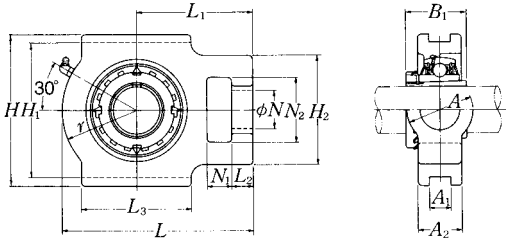
**Notes** (1) These numbers indicate relubricatable type. If maintenance free type is needed, please order without suffix "D1".
(2) Adapter number with suffix "X" means a narrow slot type adapter sleeve.
In this case the lock washer with the straight inner prong should be used.
**Remarks** Please refer to page **A21** for size of grease fitting.

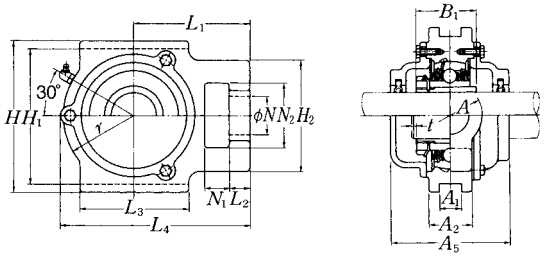



**Cast dust cover type**
Open end **C-UKT···D1**
Closed end **CM-UKT···D1**

| Housing number | Unit number pressed steel dust cover type | Unit number cast dust cover type | Nominal dimensions mm / inch $t$ max. | $A_4$ | $L_4$ | $A_5$ | Mass of unit kg / lb UKT | Z(ZM) | C(CM) |
|---|---|---|---|---|---|---|---|---|---|
| T213D1 | Z(ZM)-UKT213D1;H2313X | C(CM)-UKT213D1;H2313X | 4 | 91 | 224 | 120 | 7.1 | 7.4 | 8.8 |
| T213D1 | Z(ZM)-UKT213AD1;HA2313 | C(CM)-UKT213AD1;HA2313 | | | | | | | |
| T213D1 | Z(ZM)-UKT213ED1;HE2313X | C(CM)-UKT213ED1;HE2313X | 5/32 | 3 19/32 | 8 13/16 | 4 23/32 | 16 | 16 | 19 |
| T213D1 | Z(ZM)-UKT213SD1;HS2313X | C(CM)-UKT213SD1;HS2313X | | | | | | | |
| T215D1 | – | C(CM)-UKT215D1;H2315X | 4 | – | 232 | 135 | 7.7 | – | 10 |
| T215D1 | – | C(CM)-UKT215AD1;HA2315 | 5/32 | – | 9 1/8 | 5 5/16 | 17 | – | 22 |
| T215D1 | | C(CM)-UKT215ED1;HE2315X | | | | | | | |
| T216D1 | – | C(CM)-UKT216D1;H2316X | 4 | – | 235 | 145 | 8.7 | – | 12 |
| T216D1 | – | C(CM)-UKT216AD1;HA2316 | 5/32 | – | 9 1/4 | 5 23/32 | 19 | – | 26 |
| T216D1 | | C(CM)-UKT216ED1;HE2316X | | | | | | | |
| T217D1 | – | C(CM)-UKT217D1;H2317X | 5 | – | 260 | 155 | 11 | – | 15 |
| T217D1 | – | C(CM)-UKT217AD1;HA2317X | 13/64 | – | 10 1/4 | 6 3/32 | 24 | – | 33 |
| T217D1 | | C(CM)-UKT217ED1;HE2317X | | | | | | | |

## Take-up unit, cast housing
## Adapter type




**Cast dust cover type**
Open end **C-UKT···D1**
Closed end **CM-UKT···D1**

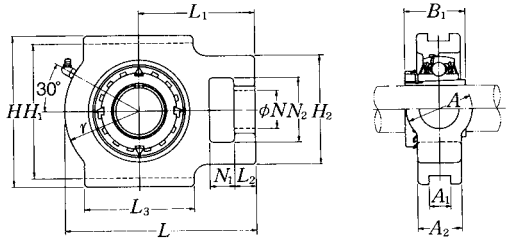
| Shaft dia. mm / inch | Unit number (1)(2)(3) | Nominal dimensions mm / inch | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | $N_1$ | $L_2$ | $H_2$ | $N_2$ | $N$ | $L_3$ | $A_1$ | $H_1$ | $H$ | $L$ | $A_2$ | $A$ | $r$ | $L_1$ | $B_1$ |
| 20 | **UKT305D1;H2305X** | 16 | 14 | 62 | 36 | 26 | 65 | 12 | 80 | 89 | 122 | 26 | 36 | 46 | 76 | 35 |
| 3/4 | **UKT305D1;HE2305** | 5/8 | 9/16 | 2 7/16 | 1 13/32 | 1 1/32 | 2 9/16 | 0.472 | 2 5/32 | 3 1/2 | 4 13/16 | 1 1/32 | 1 13/32 | 1 13/16 | 3 | 1.378 |
| 25 | **UKT306D1;H2306X** | 18 | 16 | 70 | 41 | 28 | 74 | 16 | 90 | 100 | 137 | 28 | 41 | 52 | 85 | 38 |
| 7/8 | **UKT306D1;HS2306** | | | | | | | | | | | | | | | |
| 1 | **UKT306D1;HE2306X** | 23/32 | 5/8 | 2 3/4 | 1 5/8 | 1 3/32 | 2 29/32 | 0.630 | 3 35/64 | 3 15/16 | 5 13/32 | 1 3/32 | 1 5/8 | 2 1/16 | 3 11/32 | 1.496 |
| 30 | **UKT307D1;H2307X** | 20 | 17 | 75 | 45 | 30 | 80 | 16 | 100 | 111 | 150 | 32 | 45 | 56 | 94 | 43 |
| 1 1/8 | **UKT307D1;HS2307** | 25/32 | 21/32 | 2 15/16 | 1 25/32 | 1 3/16 | 3 5/32 | 0.630 | 3 15/16 | 4 3/8 | 5 29/32 | 1 1/4 | 1 25/32 | 2 7/32 | 3 11/16 | 1.693 |
| 35 | **UKT308D1;H2308X** | 22 | 19 | 83 | 50 | 32 | 89 | 18 | 112 | 124 | 162 | 34 | 50 | 62 | 100 | 46 |
| 1 1/4 | **UKT308D1;HE2308X** | | | | | | | | | | | | | | | |
| 1 3/8 | **UKT308D1;HS2308X** | 7/8 | 3/4 | 3 9/32 | 1 31/32 | 1 1/4 | 3 1/2 | 0.709 | 4 13/32 | 4 7/8 | 6 3/8 | 1 11/32 | 1 31/32 | 2 7/16 | 3 15/16 | 1.811 |
| 40 | **UKT309D1;H2309X** | 24 | 20 | 90 | 55 | 34 | 97 | 18 | 125 | 138 | 178 | 38 | 55 | 68 | 110 | 50 |
| 1 7/16 | **UKT309D1;HA2309** | | | | | | | | | | | | | | | |
| 1 1/2 | **UKT309D1;HE2309X** | 15/16 | 25/32 | 3 17/32 | 2 5/32 | 1 11/32 | 3 13/16 | 0.709 | 4 59/64 | 5 7/16 | 7 | 1 1/2 | 2 5/32 | 2 11/16 | 4 11/32 | 1.969 |
| 1 5/8 | **UKT309D1;HS2309X** | | | | | | | | | | | | | | | |
| 45 | **UKT310D1;H2310X** | 27 | 22 | 98 | 61 | 37 | 106 | 20 | 140 | 151 | 192 | 40 | 61 | 74 | 118 | 55 |
| 1 5/8 | **UKT310D1;HS2310** | | | | | | | | | | | | | | | |
| 1 11/16 | **UKT310D1;HA2310** | 1 1/16 | 7/8 | 3 27/32 | 2 13/32 | 1 15/32 | 4 3/16 | 0.787 | 5 33/64 | 5 15/16 | 7 9/16 | 1 9/16 | 2 13/32 | 2 29/32 | 4 21/32 | 2.165 |
| 1 3/4 | **UKT310D1;HE2310X** | | | | | | | | | | | | | | | |
| 50 | **UKT311D1;H2311X** | 29 | 23 | 105 | 66 | 39 | 115 | 22 | 150 | 163 | 207 | 44 | 66 | 80 | 127 | 59 |
| 1 7/8 | **UKT311D1;HS2311** | | | | | | | | | | | | | | | |
| 1 15/16 | **UKT311D1;HA2311** | 1 5/32 | 29/32 | 4 1/8 | 2 19/32 | 1 17/32 | 4 17/32 | 0.866 | 5 29/32 | 6 13/32 | 8 5/32 | 1 23/32 | 2 19/32 | 3 5/32 | 5 | 2.323 |
| 2 | **UKT311D1;HE2311XY** | | | | | | | | | | | | | | | |
| 55 | **UKT312D1;H2312X** | 31 | 25 | 113 | 71 | 41 | 123 | 22 | 160 | 178 | 220 | 46 | 71 | 85 | 135 | 62 |
| 2 1/8 | **UKT312D1;HS2312** | 1 7/32 | 31/32 | 4 7/16 | 2 25/32 | 1 5/8 | 4 27/32 | 0.866 | 6 19/64 | 7 | 8 21/32 | 1 13/16 | 2 25/32 | 3 11/32 | 5 5/16 | 2.441 |

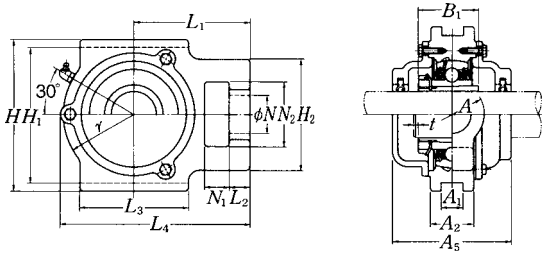
**Notes** (1) These numbers indicate relubricatable type. If maintenance free type is needed, please order without suffix "D1".
(2) Adapter number with suffix "X" means a narrow slot type adapter sleeve.
In this case the lock washer with the straight inner prong should be used.
(3) For HE2311XY, screw thread pitch different from the standard is applied, because of the thin thread section of sleeve.
To distinguish it, a suffix "Y" is added.

**Remarks** Please refer to page **A21** for size of grease fitting.

| Bearing number | Housing number | Unit number cast dust cover type | Nominal dimensions mm / inch | | | Mass of unit kg / lb | |
|---|---|---|---|---|---|---|---|
| | | | $t$ max. | $L_4$ | $A_5$ | UKT | C(CM) |
| UK305D1;H2305X | T305D1 | **C(CM)-UKT305D1;H2305X** | 2 | 122 | 80 | 1.4 | 1.9 |
| UK305D1;HE2305 | T305D1 | **C(CM)-UKT305ED1;HE2305** | 5/64 | 4 13/16 | 3 5/32 | 3.1 | 4.2 |
| UK306D1;H2306X | T306D1 | **C(CM)-UKT306D1;H2306X** | 2 | 139 | 85 | 1.8 | 2.5 |
| UK306D1;HS2306 | T306D1 | **C(CM)-UKT306SD1;HS2306** | | | | | |
| UK306D1;HE2306X | T306D1 | **C(CM)-UKT306ED1;HE2306X** | 5/64 | 5 31/32 | 3 11/32 | 4.0 | 5.5 |
| UK307D1;H2307X | T307D1 | **C(CM)-UKT307D1;H2307X** | 3 | 152 | 95 | 2.4 | 3.3 |
| UK307D1;HS2307 | T307D1 | **C(CM)-UKT307SD1;HS2307** | 1/8 | 5 31/32 | 3 3/4 | 5.3 | 7.3 |
| UK308D1;H2308X | T308D1 | **C(CM)-UKT308D1;H2308X** | 3 | 164 | 105 | 3.0 | 4.3 |
| UK308D1;HE2308X | T308D1 | **C(CM)-UKT308ED1;HE2308X** | | | | | |
| UK308D1;HS2308X | T308D1 | **C(CM)-UKT308SD1;HS2308X** | 1/8 | 6 15/32 | 4 1/8 | 6.6 | 9.5 |
| UK309D1;H2309X | T309D1 | **C(CM)-UKT309D1;H2309X** | 3 | 181 | 110 | 4.0 | 5.6 |
| UK309D1;HA2309 | T309D1 | **C(CM)-UKT309AD1;HA2309** | | | | | |
| UK309D1;HE2309X | T309D1 | **C(CM)-UKT309ED1;HE2309X** | 1/8 | 7 1/8 | 4 11/32 | 8.8 | 12 |
| UK309D1;HS2309X | T309D1 | **C(CM)-UKT309SD1;HS2309X** | | | | | |
| UK310D1;H2310X | T310D1 | **C(CM)-UKT310D1;H2310X** | 3 | 197 | 120 | 5.1 | 7.1 |
| UK310D1;HS2310 | T310D1 | **C(CM)-UKT310SD1;HS2310** | | | | | |
| UK310D1;HA2310 | T310D1 | **C(CM)-UKT310AD1;HA2310** | 1/8 | 7 3/4 | 4 23/32 | 11 | 16 |
| UK310D1;HE2310X | T310D1 | **C(CM)-UKT310ED1;HE2310X** | | | | | |
| UK311D1;H2311X | T311D1 | **C(CM)-UKT311D1;H2311X** | 4 | 211 | 125 | 6.3 | 8.6 |
| UK311D1;HS2311 | T311D1 | **C(CM)-UKT311SD1;HS2311** | | | | | |
| UK311D1;HA2311 | T311D1 | **C(CM)-UKT311AD1;HA2311** | 5/32 | 8 5/16 | 4 29/32 | 14 | 19 |
| UK311D1;HE2311XY | T311D1 | **C(CM)-UKT311ED1;HE2311XY** | | | | | |
| UK312D1;H2312X | T312D1 | **C(CM)-UKT312D1;H2312X** | 4 | 227 | 135 | 7.6 | 10 |
| UK312D1;HS2312 | T312D1 | **C(CM)-UKT312SD1;HS2312** | 5/32 | 8 15/16 | 5 5/16 | 17 | 22 |

## Take-up unit, cast housing
## Adapter type



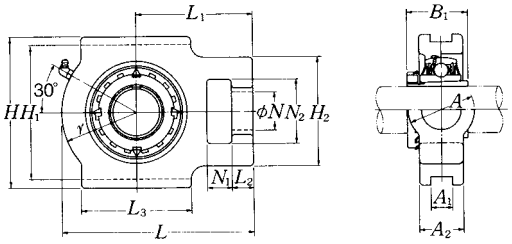

**Cast dust cover type**
Open end **C-UKT···D1**
Closed end **CM-UKT···D1**

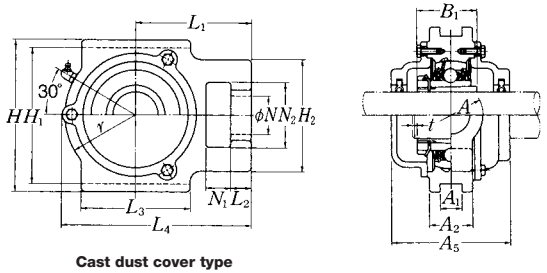
| Shaft dia. mm / inch | Unit number (1)(2) | Nominal dimensions mm / inch | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | $N_1$ | $L_2$ | $H_2$ | $N_2$ | $N$ | $L_3$ | $A_1$ | $H_1$ | $H$ | $L$ | $A_2$ | $A$ | $r$ | $L_1$ | $B_1$ |
| 60 | **UKT313D1;H2313X** | 32 | 27 | 116 | 70 | 43 | 134 | 26 | 170 | 190 | 238 | 50 | 80 | 92 | 146 | 65 |
| $2\frac{3}{16}$ | **UKT313D1;HA2313** | | | | | | | | | | | | | | | |
| $2\frac{1}{4}$ | **UKT313D1;HE2313X** | $1\frac{1}{4}$ | $1\frac{1}{16}$ | $4\frac{9}{16}$ | $2\frac{3}{4}$ | $1\frac{11}{16}$ | $5\frac{9}{32}$ | 1.024 | $6\frac{11}{16}$ | $7\frac{15}{32}$ | $9\frac{3}{8}$ | $1\frac{31}{32}$ | $3\frac{5}{32}$ | $3\frac{5}{8}$ | $5\frac{3}{4}$ | 2.559 |
| $2\frac{3}{8}$ | **UKT313D1;HS2313X** | | | | | | | | | | | | | | | |
| 65 | **UKT315D1;H2315X** | 36 | 27 | 132 | 85 | 46 | 150 | 26 | 192 | 216 | 262 | 55 | 90 | 102 | 160 | 73 |
| $2\frac{7}{16}$ | **UKT315D1;HA2315** | $1\frac{13}{32}$ | $1\frac{1}{16}$ | $5\frac{3}{16}$ | $3\frac{11}{32}$ | $1\frac{13}{16}$ | $5\frac{29}{32}$ | 1.024 | $7\frac{9}{16}$ | $8\frac{1}{2}$ | $10\frac{5}{16}$ | $2\frac{5}{32}$ | $3\frac{17}{32}$ | $4\frac{1}{32}$ | $6\frac{5}{16}$ | 2.874 |
| $2\frac{1}{2}$ | **UKT315D1;HE2315X** | | | | | | | | | | | | | | | |
| 70 | **UKT316D1;H2316X** | 42 | 30 | 150 | 98 | 53 | 160 | 30 | 204 | 230 | 282 | 60 | 102 | 108 | 174 | 78 |
| $2\frac{11}{16}$ | **UKT316D1;HA2316** | $1\frac{21}{32}$ | $1\frac{3}{16}$ | $5\frac{29}{32}$ | $3\frac{27}{32}$ | $2\frac{3}{32}$ | $6\frac{5}{16}$ | 1.181 | $8\frac{1}{32}$ | $9\frac{1}{16}$ | $11\frac{3}{32}$ | $2\frac{3}{8}$ | $4\frac{1}{32}$ | $4\frac{1}{4}$ | $6\frac{27}{32}$ | 3.071 |
| $2\frac{3}{4}$ | **UKT316D1;HE2316X** | | | | | | | | | | | | | | | |
| 75 | **UKT317D1;H2317X** | 42 | 32 | 152 | 98 | 53 | 170 | 32 | 214 | 240 | 298 | 64 | 102 | 115 | 183 | 82 |
| $2\frac{15}{16}$ | **UKT317D1;HA2317X** | $1\frac{21}{32}$ | $1\frac{1}{4}$ | $5\frac{31}{32}$ | $3\frac{27}{32}$ | $2\frac{3}{32}$ | $6\frac{11}{16}$ | 1.260 | $8\frac{27}{64}$ | $9\frac{7}{16}$ | $11\frac{23}{32}$ | $2\frac{17}{32}$ | $4\frac{1}{32}$ | $4\frac{17}{32}$ | $7\frac{7}{32}$ | 3.228 |
| 3 | **UKT317D1;HE2317X** | | | | | | | | | | | | | | | |
| 80 | **UKT318D1;H2318X** | 46 | 32 | 160 | 106 | 57 | 175 | 32 | 228 | 255 | 312 | 66 | 110 | 120 | 192 | 86 |
| $3\frac{3}{16}$ | **UKT318D1;HA2318X** | $1\frac{13}{16}$ | $1\frac{1}{4}$ | $6\frac{5}{16}$ | $4\frac{3}{16}$ | $2\frac{1}{4}$ | $6\frac{7}{8}$ | 1.260 | $8\frac{31}{32}$ | $10\frac{1}{32}$ | $12\frac{9}{32}$ | $2\frac{19}{32}$ | $4\frac{11}{32}$ | $4\frac{23}{32}$ | $7\frac{9}{16}$ | 3.386 |
| 85 | **UKT319D1;H2319X** | 46 | 33 | 165 | 106 | 57 | 180 | 35 | 240 | 270 | 322 | 72 | 110 | 125 | 197 | 90 |
| $3\frac{1}{4}$ | **UKT319D1;HE2319X** | $1\frac{13}{16}$ | $1\frac{5}{16}$ | $6\frac{1}{2}$ | $4\frac{3}{16}$ | $2\frac{1}{4}$ | $7\frac{3}{32}$ | 1.378 | $9\frac{29}{64}$ | $10\frac{5}{8}$ | $12\frac{11}{16}$ | $2\frac{27}{32}$ | $4\frac{11}{32}$ | $4\frac{29}{32}$ | $7\frac{3}{4}$ | 3.543 |
| 90 | **UKT320D1;H2320X** | 48 | 34 | 175 | 115 | 59 | 200 | 35 | 260 | 290 | 345 | 75 | 120 | 135 | 210 | 97 |
| $3\frac{7}{16}$ | **UKT320D1;HA2320** | $1\frac{7}{8}$ | $1\frac{11}{32}$ | $6\frac{7}{8}$ | $4\frac{17}{32}$ | $2\frac{5}{16}$ | $7\frac{7}{8}$ | 1.378 | $10\frac{15}{64}$ | $11\frac{13}{32}$ | $13\frac{19}{32}$ | $2\frac{15}{16}$ | $4\frac{23}{32}$ | $5\frac{5}{16}$ | $8\frac{9}{32}$ | 3.819 |
| $3\frac{1}{2}$ | **UKT320D1;HE2320X** | | | | | | | | | | | | | | | |
| 100 | **UKT322D1;H2322X** | 52 | 40 | 185 | 125 | 65 | 215 | 38 | 285 | 320 | 385 | 80 | 130 | 150 | 235 | 105 |
| 110 | **UKT324D1;H2324** | 60 | 44 | 210 | 140 | 70 | 230 | 45 | 320 | 355 | 432 | 90 | 140 | 165 | 267 | 112 |
| 115 | **UKT326D1;H2326** | 65 | 47 | 220 | 150 | 75 | 240 | 50 | 350 | 385 | 465 | 100 | 150 | 180 | 285 | 121 |
| 125 | **UKT328D1;H2328** | 70 | 52 | 230 | 160 | 80 | 255 | 50 | 380 | 415 | 515 | 100 | 155 | 200 | 315 | 131 |

| Bearing number | Housing number | Unit number cast dust cover type | Nominal dimensions mm / inch | | | Mass of unit kg / lb | |
|---|---|---|---|---|---|---|---|
| | | | $t$ max. | $L_4$ | $A_5$ | UKT | C(CM) |
| UK313D1;H2313X | T313D1 | **C(CM)-UKT313D1;H2313X** | 4 | 244 | 140 | 9.2 | 12 |
| UK313D1;HA2313 | T313D1 | **C(CM)-UKT313AD1;HA2313** | | | | | |
| UK313D1;HE2313X | T313D1 | **C(CM)-UKT313ED1;HE2313X** | $\frac{5}{32}$ | $9\frac{19}{32}$ | $5\frac{1}{2}$ | 20 | 26 |
| UK313D1;HS2313X | T313D1 | **C(CM)-UKT313SD1;HS2313X** | | | | | |
| UK315D1;H2315X | T315D1 | **C(CM)-UKT315D1;H2315X** | 4 | 268 | 150 | 13 | 17 |
| UK315D1;HA2315 | T315D1 | **C(CM)-UKT315AD1;HA2315** | $\frac{5}{32}$ | $10\frac{9}{16}$ | $5\frac{29}{32}$ | 29 | 37 |
| UK315D1;HE2315X | T315D1 | **C(CM)-UKT315ED1;HE2315X** | | | | | |
| UK316D1;H2316X | T316D1 | **C(CM)-UKT316D1;H2316X** | 4 | 287 | 155 | 16 | 21 |
| UK316D1;HA2316 | T316D1 | **C(CM)-UKT316AD1;HA2316** | $\frac{5}{32}$ | $11\frac{5}{16}$ | $6\frac{3}{32}$ | 35 | 46 |
| UK316D1;HE2316X | T316D1 | **C(CM)-UKT316ED1;HE2316X** | | | | | |
| UK317D1;H2317X | T317D1 | **C(CM)-UKT317D1;H2317X** | 5 | 303 | 170 | 19 | 25 |
| UK317D1;HA2317X | T317D1 | **C(CM)-UKT317AD1;HA2317X** | $\frac{13}{64}$ | $11\frac{15}{16}$ | $6\frac{11}{16}$ | 42 | 55 |
| UK317D1;HE2317X | T317D1 | **C(CM)-UKT317ED1;HE2317X** | | | | | |
| UK318D1;H2318X | T318D1 | **C(CM)-UKT318D1;H2318X** | 5 | 317 | 170 | 21 | 28 |
| UK318D1;HA2318X | T318D1 | **C(CM)-UKT318AD1;HA2318X** | $\frac{13}{64}$ | $12\frac{15}{32}$ | $6\frac{11}{16}$ | 46 | 62 |
| UK319D1;H2319X | T319D1 | **C(CM)-UKT319D1;H2319X** | 5 | 327 | 180 | 25 | 32 |
| UK319D1;HE2319X | T319D1 | **C(CM)-UKT319ED1;HE2319X** | $\frac{13}{64}$ | $12\frac{7}{8}$ | $7\frac{3}{32}$ | 55 | 71 |
| UK320D1;H2320X | T320D1 | **C(CM)-UKT320D1;H2320X** | 5 | 350 | 190 | 30 | 39 |
| UK320D1;HA2320 | T320D1 | **C(CM)-UKT320AD1;HA2320** | $\frac{13}{64}$ | $13\frac{25}{32}$ | $7\frac{15}{32}$ | 66 | 86 |
| UK320D1;HE2320X | T320D1 | **C(CM)-UKT320ED1;HE2320X** | | | | | |
| UK322D1;H2322X | T322D1 | **C(CM)-UKT322D1;H2322X** | 5 | 395 | 200 | 40 | 51 |
| UK324D1;H2324 | T324D1 | **C(CM)-UKT324D1;H2324** | 5 | 439 | 215 | 43 | 69 |
| UK326D1;H2326 | T326D1 | **C(CM)-UKT326D1;H2326** | 6 | 476 | 225 | 69 | 85 |
| UK328D1;H2328 | T328D1 | **C(CM)-UKT328D1;H2328** | 6 | 519 | 235 | 88 | 107 |

**Notes** (1) These numbers indicate relubricatable type. If maintenance free type is needed, please order without suffix "D1".
(2) Adapter number with suffix "X" means a narrow slot type adapter sleeve.
In this case the lock washer with the straight inner prong should be used.
**Remarks** Please refer to page **A21** for size of grease fitting.

## Take-up unit, cast housing
## Adapter type




**Cast dust cover type**
Open end **C-UKT···D1**
Closed end **CM-UKT···D1**

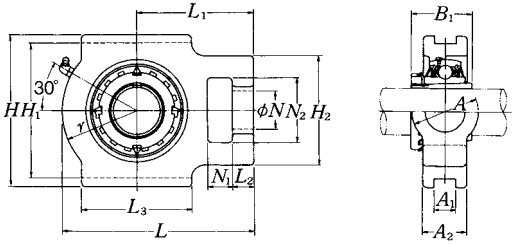
| Shaft dia. mm / inch | Unit number (1)(2)(3) | Nominal dimensions mm / inch | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | $N_1$ | $L_2$ | $H_2$ | $N_2$ | $N$ | $L_3$ | $A_1$ | $H_1$ | $H$ | $L$ | $A_2$ | $A$ | $r$ | $L_1$ | $B_1$ |
| 20 | **UKTX05D1;H2305X** | 16 | 12 | 56 | 37 | 22 | 57 | 12 | 89 | 102 | 113 | 28 | 37 | 43 | 70 | 35 |
| 3/4 | **UKTX05D1;HE2305** | 5/8 | 15/32 | 2 7/32 | 1 15/32 | 7/8 | 2 1/4 | 0.472 | 3 1/2 | 4 1/32 | 4 7/16 | 1 3/32 | 1 15/32 | 1 11/16 | 2 3/4 | 1.378 |
| 25 | **UKTX06D1;H2306X** | 16 | 15 | 64 | 37 | 22 | 64 | 12 | 89 | 102 | 129 | 30 | 37 | 51 | 78 | 38 |
| 7/8 | **UKTX06D1;HS2306** | | | | | | | | | | | | | | | |
| 1 | **UKTX06D1;HE2306X** | 5/8 | 19/32 | 2 17/32 | 1 15/32 | 7/8 | 2 17/32 | 0.472 | 3 1/2 | 4 1/32 | 5 3/32 | 1 3/16 | 1 15/32 | 2 | 3 1/16 | 1.496 |
| 30 | **UKTX07D1;H2307X** | 19 | 17 | 83 | 49 | 29 | 83 | 16 | 102 | 114 | 144 | 36 | 49 | 56 | 88 | 43 |
| 1 1/8 | **UKTX07D1;HS2307** | 3/4 | 21/32 | 3 9/32 | 1 15/16 | 1 5/32 | 3 9/32 | 0.630 | 4 1/64 | 4 1/2 | 5 21/32 | 1 13/32 | 1 15/16 | 2 7/32 | 3 15/32 | 1.693 |
| 35 | **UKTX08D1;H2308X** | 19 | 17 | 83 | 49 | 29 | 83 | 16 | 102 | 117 | 144 | 36 | 49 | 57 | 87 | 46 |
| 1 1/4 | **UKTX08D1;HE2308X** | | | | | | | | | | | | | | | |
| 1 3/8 | **UKTX08D1;HS2308X** | 3/4 | 21/32 | 3 9/32 | 1 15/16 | 1 5/32 | 3 9/32 | 0.630 | 4 1/64 | 4 19/32 | 5 21/32 | 1 13/32 | 1 15/16 | 2 1/4 | 3 7/16 | 1.811 |
| 40 | **UKTX09D1;H2309X** | 19 | 18 | 83 | 49 | 29 | 86 | 16 | 102 | 117 | 151 | 38 | 49 | 59 | 92 | 50 |
| 1 7/16 | **UKTX09D1;HA2309** | | | | | | | | | | | | | | | |
| 1 1/2 | **UKTX09D1;HE2309X** | | | | | | | | | | | | | | | |
| 1 5/8 | **UKTX09D1;HS2309X** | 3/4 | 23/32 | 3 9/32 | 1 15/16 | 1 5/32 | 3 3/8 | 0.630 | 4 1/64 | 4 19/32 | 5 15/16 | 1 1/2 | 1 15/16 | 2 5/16 | 3 5/8 | 1.969 |
| 45 | **UKTX10D1;H2310X** | 25 | 21 | 102 | 64 | 35 | 95 | 22 | 130 | 146 | 171 | 42 | 64 | 65 | 106 | 55 |
| 1 5/8 | **UKTX10D1;HS2310** | | | | | | | | | | | | | | | |
| 1 11/16 | **UKTX10D1;HA2310** | | | | | | | | | | | | | | | |
| 1 3/4 | **UKTX10D1;HE2310X** | 31/32 | 13/16 | 4 1/32 | 2 17/32 | 1 3/8 | 3 3/4 | 0.866 | 5 1/8 | 5 3/4 | 6 23/32 | 1 21/32 | 2 17/32 | 2 9/16 | 4 3/16 | 2.165 |
| 50 | **UKTX11D1;H2311X** | 32 | 21 | 102 | 64 | 35 | 102 | 22 | 130 | 146 | 194 | 44 | 64 | 75 | 119 | 59 |
| 1 7/8 | **UKTX11D1;HS2311** | | | | | | | | | | | | | | | |
| 1 15/16 | **UKTX11D1;HA2311** | | | | | | | | | | | | | | | |
| 2 | **UKTX11D1;HE2311XY** | 1 1/4 | 13/16 | 4 1/32 | 2 17/32 | 1 3/8 | 4 1/32 | 0.866 | 5 1/8 | 5 3/4 | 7 5/8 | 1 23/32 | 2 17/32 | 2 15/16 | 4 11/16 | 2.323 |
| 55 | **UKTX12D1;H2312X** | 32 | 23 | 111 | 70 | 41 | 121 | 26 | 151 | 167 | 224 | 48 | 70 | 87 | 137 | 62 |
| 2 1/8 | **UKTX12D1;HS2312** | 1 1/4 | 29/32 | 4 3/8 | 2 3/4 | 1 5/8 | 4 3/4 | 1.024 | 5 15/16 | 6 9/16 | 8 13/16 | 1 7/8 | 2 3/4 | 3 7/16 | 5 13/32 | 2.441 |

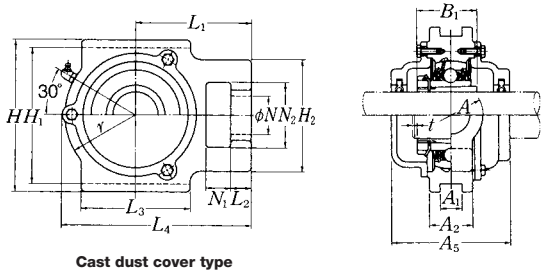
| Bearing number | Housing number | Unit number cast dust cover type | Nominal dimensions mm / inch | | | Mass of unit kg / lb | |
|---|---|---|---|---|---|---|---|
| | | | $t$ max. | $L_4$ | $A_5$ | UKT | C(CM) |
| UKX05D1;H2305X | TX05D1 | **C(CM)-UKTX05D1;H2305X** | 2 | 113.5 | 75 | 1.3 | 1.8 |
| UKX05D1;HE2305 | TX05D1 | **C(CM)-UKTX05ED1;HE2305** | 5/64 | 4 15/32 | 2 15/16 | 2.9 | 4.0 |
| UKX06D1;H2306X | TX06D1 | **C(CM)-UKTX06D1;H2306X** | 2 | 129 | 80 | 1.7 | 2.2 |
| UKX06D1;HS2306 | TX06D1 | **C(CM)-UKTX06SD1;HS2306** | | | | | |
| UKX06D1;HE2306X | TX06D1 | **C(CM)-UKTX06ED1;HE2306X** | 5/64 | 5 3/32 | 3 5/32 | 3.7 | 4.9 |
| UKX07D1;H2307X | TX07D1 | **C(CM)-UKTX07D1;H2307X** | 3 | 144 | 90 | 2.7 | 3.5 |
| UKX07D1;HS2307 | TX07D1 | **C(CM)-UKTX07SD1;HS2307** | 1/8 | 5 21/32 | 3 17/32 | 6.0 | 7.7 |
| UKX08D1;H2308X | TX08D1 | **C(CM)-UKTX08D1;H2308X** | 3 | 144.5 | 95 | 2.8 | 3.7 |
| UKX08D1;HE2308X | TX08D1 | **C(CM)-UKTX08ED1;HE2308X** | | | | | |
| UKX08D1;HS2308X | TX08D1 | **C(CM)-UKTX08SD1;HS2308X** | 1/8 | 5 11/16 | 3 3/4 | 6.2 | 8.2 |
| UKX09D1;H2309X | TX09D1 | **C(CM)-UKTX09D1;H2309X** | 3 | 152 | 100 | 2.7 | 3.8 |
| UKX09D1;HA2309 | TX09D1 | **C(CM)-UKTX09AD1;HA2309** | | | | | |
| UKX09D1;HE2309X | TX09D1 | **C(CM)-UKTX09ED1;HE2309X** | | | | | |
| UKX09D1;HS2309X | TX09D1 | **C(CM)-UKTX09SD1;HS2309X** | 1/8 | 5 31/32 | 3 15/16 | 6.0 | 8.4 |
| UKX10D1;H2310X | TX10D1 | **C(CM)-UKTX10D1;H2310X** | 3 | 171.5 | 100 | 4.3 | 5.5 |
| UKX10D1;HS2310 | TX10D1 | **C(CM)-UKTX10SD1;HS2310** | | | | | |
| UKX10D1;HA2310 | TX10D1 | **C(CM)-UKTX10AD1;HA2310** | | | | | |
| UKX10D1;HE2310X | TX10D1 | **C(CM)-UKTX10ED1;HE2310X** | 1/8 | 6 3/4 | 3 15/16 | 9.5 | 12 |
| UKX11D1;H2311X | TX11D1 | **C(CM)-UKTX11D1;H2311X** | 4 | 194 | 115 | 5.1 | 6.6 |
| UKX11D1;HS2311 | TX11D1 | **C(CM)-UKTX11SD1;HS2311** | | | | | |
| UKX11D1;HA2311 | TX11D1 | **C(CM)-UKTX11AD1;HA2311** | | | | | |
| UKX11D1;HE2311XY | TX11D1 | **C(CM)-UKTX11ED1;HE2311XY** | 5/32 | 7 5/8 | 4 17/32 | 11 | 15 |
| UKX12D1;H2312X | TX12D1 | **C(CM)-UKTX12D1;H2312X** | 4 | 224 | 120 | 7.2 | 9.0 |
| UKX12D1;HS2312 | TX12D1 | **C(CM)-UKTX12SD1;HS2312** | 5/32 | 8 13/16 | 4 23/32 | 16 | 20 |

**Notes** (1) These numbers indicate relubricatable type. If maintenance free type is needed, please order without suffix "D1".
(2) Adapter number with suffix "X" means a narrow slot type adapter sleeve.
In this case the lock washer with the straight inner prong should be used.
(3) For HE2311XY, screw thread pitch different from the standard is applied, because of the thin thread section of sleeve.
To distinguish it, a suffix "Y" is added.

**Remarks** Please refer to page **A21** for size of grease fitting.

## Take-up unit, cast housing
## Adapter type



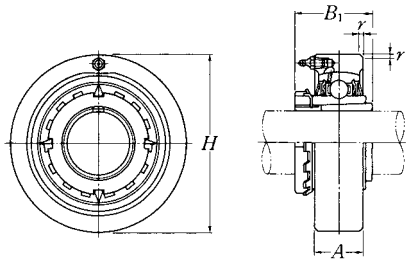

**Cast dust cover type**
Open end **C-UKT···D1**
Closed end **CM-UKT···D1**

| Shaft dia. mm inch | Unit number (1)(2) | Nominal dimensions mm inch | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | $N_1$ | $L_2$ | $H_2$ | $N_2$ | $N$ | $L_3$ | $A_1$ | $H_1$ | $H$ | $L$ | $A_2$ | $A$ | $r$ | $L_1$ | $B_1$ |
| 60 | **UKTX13D1;H2313X** | 32 | 23 | 111 | 70 | 41 | 121 | 26 | 151 | 167 | 224 | 48 | 70 | 87 | 137 | 65 |
| $2\frac{3}{16}$ | **UKTX13D1;HA2313** | | | | | | | | | | | | | | | |
| $2\frac{1}{4}$ | **UKTX13D1;HE2313X** | $1\frac{1}{4}$ | $\frac{29}{32}$ | $4\frac{3}{8}$ | $2\frac{3}{4}$ | $1\frac{5}{8}$ | $4\frac{3}{4}$ | 1.024 | $5\frac{15}{16}$ | $6\frac{9}{16}$ | $8\frac{13}{16}$ | $1\frac{7}{8}$ | $2\frac{3}{4}$ | $3\frac{7}{16}$ | $5\frac{13}{32}$ | 2.559 |
| $2\frac{3}{8}$ | **UKTX13D1;HS2313X** | | | | | | | | | | | | | | | |
| 65 | **UKTX15D1;H2315X** | 32 | 23 | 111 | 70 | 41 | 121 | 28 | 165 | 184 | 235 | 48 | 70 | 95 | 140 | 73 |
| $2\frac{7}{16}$ | **UKTX15D1;HA2315** | $1\frac{1}{4}$ | $\frac{29}{32}$ | $4\frac{3}{8}$ | $2\frac{3}{4}$ | $1\frac{5}{8}$ | $4\frac{3}{4}$ | 1.102 | $6\frac{1}{2}$ | $7\frac{1}{4}$ | $9\frac{1}{4}$ | $1\frac{7}{8}$ | $2\frac{3}{4}$ | $3\frac{3}{4}$ | $5\frac{1}{2}$ | 2.874 |
| $2\frac{1}{2}$ | **UKTX15D1;HE2315X** | | | | | | | | | | | | | | | |
| 70 | **UKTX16D1;H2316X** | 38 | 30 | 124 | 73 | 48 | 157 | 28 | 173 | 198 | 260 | 54 | 73 | 98 | 162 | 78 |
| $2\frac{11}{16}$ | **UKTX16D1;HA2316** | $1\frac{1}{2}$ | $1\frac{3}{16}$ | $4\frac{7}{8}$ | $2\frac{7}{8}$ | $1\frac{7}{8}$ | $6\frac{3}{16}$ | 1.102 | $6\frac{13}{16}$ | $7\frac{25}{32}$ | $10\frac{1}{4}$ | $2\frac{1}{8}$ | $2\frac{7}{8}$ | $3\frac{27}{32}$ | $6\frac{3}{8}$ | 3.071 |
| $2\frac{3}{4}$ | **UKTX16D1;HE2316X** | | | | | | | | | | | | | | | |
| 75 | **UKTX17D1;H2317X** | 38 | 30 | 124 | 73 | 48 | 157 | 28 | 173 | 198 | 260 | 54 | 73 | 98 | 162 | 82 |
| $2\frac{15}{16}$ | **UKTX17D1;HA2317X** | $1\frac{1}{2}$ | $1\frac{3}{16}$ | $4\frac{7}{8}$ | $2\frac{7}{8}$ | $1\frac{7}{8}$ | $6\frac{3}{16}$ | 1.102 | $6\frac{13}{16}$ | $7\frac{25}{32}$ | $10\frac{1}{4}$ | $2\frac{1}{8}$ | $2\frac{7}{8}$ | $3\frac{27}{32}$ | $6\frac{3}{8}$ | 3.228 |
| 3 | **UKTX17D1;HE2317X** | | | | | | | | | | | | | | | |

**Notes** (1) These numbers indicate relubricatable type. If maintenance free type is needed, please order without suffix "D1".
(2) Adapter number with suffix "X" means a narrow slot type adapter sleeve.
In this case the lock washer with the straight inner prong should be used.
**Remarks** Please refer to page **A21** for size of grease fitting.

| Bearing number | Housing number | Unit number cast dust cover type | Nominal dimensions mm inch | | | Mass of unit kg lb | |
|---|---|---|---|---|---|---|---|
| | | | $t$ max. | $L_4$ | $A_5$ | UKT | C(CM) |
| UKX13D1;H2313X | TX13D1 | **C(CM)-UKTX13D1;H2313X** | 4 | 224 | 135 | 7.2 | 9.5 |
| UKX13D1;HA2313 | TX13D1 | **C(CM)-UKTX13AD1;HA2313** | | | | | |
| UKX13D1;HE2313X | TX13D1 | **C(CM)-UKTX13ED1;HE2313X** | $\frac{5}{32}$ | $8\frac{13}{16}$ | $5\frac{5}{16}$ | 16 | 21 |
| UKX13D1;HS2313X | TX13D1 | **C(CM)-UKTX13SD1;HS2313X** | | | | | |
| UKX15D1;H2315X | TX15D1 | **C(CM)-UKTX15D1;H2315X** | 4 | 235 | 145 | 8.5 | 11 |
| UKX15D1;HA2315 | TX15D1 | **C(CM)-UKTX15AD1;HA2315** | $\frac{5}{32}$ | $9\frac{1}{4}$ | $5\frac{23}{32}$ | 19 | 24 |
| UKX15D1;HE2315X | TX15D1 | **C(CM)-UKTX15ED1;HE2315X** | | | | | |
| UKX16D1;H2316X | TX16D1 | **C(CM)-UKTX16D1;H2316X** | 4 | 260 | 155 | 11 | 14 |
| UKX16D1;HA2316 | TX16D1 | **C(CM)-UKTX16AD1;HA2316** | $\frac{5}{32}$ | $10\frac{1}{4}$ | $6\frac{3}{32}$ | 24 | 31 |
| UKX16D1;HE2316X | TX16D1 | **C(CM)-UKTX16ED1;HE2316X** | | | | | |
| UKX17D1;H2317X | TX17D1 | **C(CM)-UKTX17D1;H2317X** | 5 | 262 | 165 | 11 | 15 |
| UKX17D1;HA2317X | TX17D1 | **C(CM)-UKTX17AD1;HA2317X** | $\frac{13}{64}$ | $10\frac{5}{16}$ | $6\frac{1}{2}$ | 24 | 33 |
| UKX17D1;HE2317X | TX17D1 | **C(CM)-UKTX17ED1;HE2317X** | | | | | |

## Cartridge unit, cast housing
## Adapter type

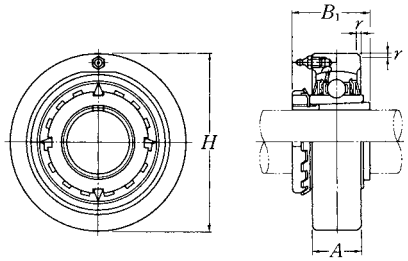



| Shaft dia. mm / inch | Unit number (1)(2)(3) | Nominal dimensions mm / inch H | A | r | $B_1$ | Bearing number | Housing number | Mass of unit kg / lb |
|---|---|---|---|---|---|---|---|---|
| 20 | **UKC205D1;H2305X** | 80 | 22 | 2 | 35 | UK205D1;H2305X | C205D1 | 0.7 |
| 3/4 | **UKC205D1;HE2305** | 3.1496 | 55/64 | 0.079 | 1.378 | UK205D1;HE2305 | C205D1 | 1.5 |
| 25 | **UKC206D1;H2306X** | 85 | 27 | 2 | 38 | UK206D1;H2306X | C206D1 | 0.9 |
| 7/8 | **UKC206D1;HS2306** | 3.3465 | 1 1/16 | 0.079 | 1.496 | UK206D1;HS2306 | C206D1 | 2.0 |
| 1 | **UKC206D1;HE2306X** | | | | | UK206D1;HE2306X | C206D1 | |
| 30 | **UKC207D1;H2307X** | 90 | 28 | 2 | 43 | UK207D1;H2307X | C207D1 | 1.0 |
| 1 1/8 | **UKC207D1;HS2307** | 3.5433 | 1 7/64 | 0.079 | 1.693 | UK207D1;HS2307 | C207D1 | 2.2 |
| 35 | **UKC208D1;H2308X** | 100 | 30 | 2.5 | 46 | UK208D1;H2308X | C208D1 | 1.3 |
| 1 1/4 | **UKC208D1;HE2308X** | 3.9370 | 1 3/16 | 0.098 | 1.811 | UK208D1;HE2308X | C208D1 | 2.9 |
| 1 3/8 | **UKC208D1;HS2308X** | | | | | UK208D1;HS2308X | C208D1 | |
| 40 | **UKC209D1;H2309X** | 110 | 31 | 2.5 | 50 | UK209D1;H2309X | C209D1 | 1.6 |
| 1 7/16 | **UKC209D1;HA2309** | | | | | UK209D1;HA2309 | C209D1 | |
| 1 1/2 | **UKC209D1;HE2309X** | 4.3307 | 1 7/32 | 0.098 | 1.969 | UK209D1;HE2309X | C209D1 | 3.5 |
| 1 5/8 | **UKC209D1;HS2309X** | | | | | UK209D1;HS2309X | C209D1 | |
| 45 | **UKC210D1;H2310X** | 120 | 33 | 2.5 | 55 | UK210D1;H2310X | C210D1 | 2.1 |
| 1 5/8 | **UKC210D1;HS2310** | | | | | UK210D1;HS2310 | C210D1 | |
| 1 11/16 | **UKC210D1;HA2310** | 4.7244 | 1 19/64 | 0.098 | 2.165 | UK210D1;HA2310 | C210D1 | 4.6 |
| 1 3/4 | **UKC210D1;HE2310X** | | | | | UK210D1;HE2310X | C210D1 | |
| 50 | **UKC211D1;H2311X** | 125 | 35 | 2.5 | 59 | UK211D1;H2311X | C211D1 | 2.3 |
| 1 7/8 | **UKC211D1;HS2311** | | | | | UK211D1;HS2311 | C211D1 | |
| 1 15/16 | **UKC211D1;HA2311** | 4.9213 | 1 3/8 | 0.098 | 2.323 | UK211D1;HA2311 | C211D1 | 5.1 |
| 2 | **UKC211D1;HE2311XY** | | | | | UK211D1;HE2311XY | C211D1 | |
| 55 | **UKC212D1;H2312X** | 130 | 38 | 2.5 | 62 | UK212D1;H2312X | C212D1 | 2.6 |
| 2 1/8 | **UKC212D1;HS2312** | 5.1181 | 1 1/2 | 0.098 | 2.441 | UK212D1;HS2312 | C212D1 | 5.7 |
| 60 | **UKC213D1;H2313X** | 140 | 40 | 3 | 65 | UK213D1;H2313X | C213D1 | 3.2 |
| 2 3/16 | **UKC213D1;HA2313** | | | | | UK213D1;HA2313 | C213D1 | |
| 2 1/4 | **UKC213D1;HE2313X** | 5.5118 | 1 37/64 | 0.118 | 2.559 | UK213D1;HE2313X | C213D1 | 7.1 |
| 2 3/8 | **UKC213D1;HS2313X** | | | | | UK213D1;HS2313X | C213D1 | |

**Notes** (1) These numbers indicate relubricatable type. If maintenance free type is needed, please order without suffix "D1".
(2) Adapter number with suffix "X" means a narrow slot type adapter sleeve.
In this case the lock washer with the straight inner prong should be used.
(3) For HE2311XY, screw thread pitch different from the standard is applied, because of the thin thread section of sleeve.
To distinguish it, a suffix "Y" is added.

**Remarks** Please refer to page **A21** for size of grease fitting.

## Cartridge unit, cast housing
## Adapter type

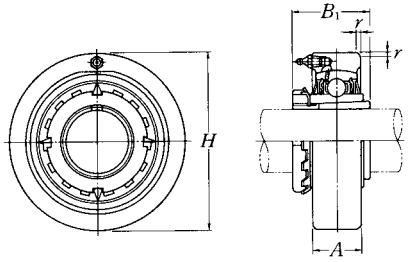



| Shaft dia. mm / inch | Unit number (1)(2)(3) | Nominal dimensions mm inch H | A | r | B1 | Bearing number | Housing number | Mass of unit kg lb |
|---|---|---|---|---|---|---|---|---|
| 20 | UKC305D1;H2305X | 90 | 26 | 2.5 | 35 | UK305D1;H2305X | C305D1 | 1.0 |
| 3/4 | UKC305D1;HE2305 | 3.5433 | 1 1/32 | 0.098 | 1.378 | UK305D1;HE2305 | C305D1 | 2.2 |
| 25 | UKC306D1;H2306X | 100 | 28 | 2.5 | 38 | UK306D1;H2306X | C306D1 | 1.3 |
| 7/8 | UKC306D1;HS2306 | 3.9370 | 1 7/64 | 0.098 | 1.496 | UK306D1;HS2306 | C306D1 | 2.9 |
| 1 | UKC306D1;HE2306X | | | | | UK306D1;HE2306X | C306D1 | |
| 30 | UKC307D1;H2307X | 110 | 32 | 3 | 43 | UK307D1;H2307X | C307D1 | 1.8 |
| 1 1/8 | UKC307D1;HS2307 | 4.3307 | 1 17/64 | 0.118 | 1.693 | UK307D1;HS2307 | C307D1 | 4.0 |
| 35 | UKC308D1;H2308X | 120 | 34 | 3 | 46 | UK308D1;H2308X | C308D1 | 2.2 |
| 1 1/4 | UKC308D1;HE2308X | 4.7244 | 1 11/32 | 0.118 | 1.811 | UK308D1;HE2308X | C308D1 | 4.9 |
| 1 3/8 | UKC308D1;HS2308X | | | | | UK308D1;HS2308X | C308D1 | |
| 40 | UKC309D1;H2309X | 130 | 38 | 3.5 | 50 | UK309D1;H2309X | C309D1 | 2.7 |
| 1 7/16 | UKC309D1;HA2309 | | | | | UK309D1;HA2309 | C309D1 | |
| 1 1/2 | UKC309D1;HE2309X | 5.1181 | 1 1/2 | 0.138 | 1.969 | UK309D1;HE2309X | C309D1 | 6.0 |
| 1 5/8 | UKC309D1;HS2309X | | | | | UK309D1;HS2309X | C309D1 | |
| 45 | UKC310D1;H2310X | 140 | 40 | 3.5 | 55 | UK310D1;H2310X | C310D1 | 3.4 |
| 1 5/8 | UKC310D1;HS2310 | | | | | UK310D1;HS2310 | C310D1 | |
| 1 11/16 | UKC310D1;HA2310 | 5.5118 | 1 37/64 | 0.138 | 2.165 | UK310D1;HA2310 | C310D1 | 7.5 |
| 1 3/4 | UKC310D1;HE2310X | | | | | UK310D1;HE2310X | C310D1 | |
| 50 | UKC311D1;H2311X | 150 | 44 | 3.5 | 59 | UK311D1;H2311X | C311D1 | 4.0 |
| 1 7/8 | UKC311D1;HS2311 | | | | | UK311D1;HS2311 | C311D1 | |
| 1 15/16 | UKC311D1;HA2311 | 5.9055 | 1 47/64 | 0.138 | 2.323 | UK311D1;HA2311 | C311D1 | 8.8 |
| 2 | UKC311D1;HE2311XY | | | | | UK311D1;HE2311XY | C311D1 | |
| 55 | UKC312D1;H2312X | 160 | 46 | 3.5 | 62 | UK312D1;H2312X | C312D1 | 4.8 |
| 2 1/8 | UKC312D1;HS2312 | 6.2992 | 1 13/16 | 0.138 | 2.441 | UK312D1;HS2312 | C312D1 | 11 |
| 60 | UKC313D1;H2313X | 170 | 50 | 3.5 | 65 | UK313D1;H2313X | C313D1 | 5.6 |
| 2 3/16 | UKC313D1;HA2313 | | | | | UK313D1;HA2313 | C313D1 | |
| 2 1/4 | UKC313D1;HE2313X | 6.6929 | 1 31/32 | 0.138 | 2.559 | UK313D1;HE2313X | C313D1 | 12 |
| 2 3/8 | UKC313D1;HS2313X | | | | | UK313D1;HS2313X | C313D1 | |

**Notes** (1) These numbers indicate relubricatable type. If maintenance free type is needed, please order without suffix "D1".
(2) Adapter number with suffix "X" means a narrow slot type adapter sleeve.
In this case the lock washer with the straight inner prong should be used.
(3) For HE2311XY, screw thread pitch different from the standard is applied, because of the thin thread section of sleeve.
To distinguish it, a suffix "Y" is added.
**Remarks** Please refer to page **A21** for size of grease fitting.



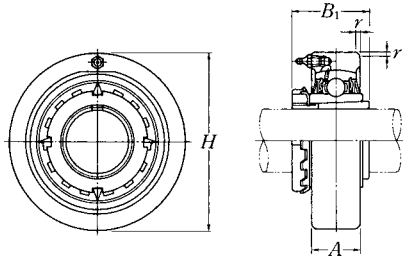





| Shaft dia. mm / inch | Unit number (1)(2) | Nominal dimensions mm inch H | A | r | B1 | Bearing number | Housing number | Mass of unit kg lb |
|---|---|---|---|---|---|---|---|---|
| 65 | UKC315D1;H2315X | 190 | 55 | 4 | 73 | UK315D1;H2315X | C315D1 | 7.9 |
| 2 7/16 | UKC315D1;HA2315 | 7.4803 | 2 11/64 | 0.157 | 2.874 | UK315D1;HA2315 | C315D1 | 17 |
| 2 1/2 | UKC315D1;HE2315X | | | | | UK315D1;HE2315X | C315D1 | |
| 70 | UKC316D1;H2316X | 200 | 60 | 4 | 78 | UK316D1;H2316X | C316D1 | 9.4 |
| 2 11/16 | UKC316D1;HA2316 | 7.8740 | 2 23/64 | 0.157 | 3.071 | UK316D1;HA2316 | C316D1 | 21 |
| 2 3/4 | UKC316D1;HE2316X | | | | | UK316D1;HE2316X | C316D1 | |
| 75 | UKC317D1;H2317X | 215 | 64 | 4 | 82 | UK317D1;H2317X | C317D1 | 11 |
| 2 15/16 | UKC317D1;HA2317X | 8.4646 | 2 33/64 | 0.157 | 3.228 | UK317D1;HA2317X | C317D1 | 24 |
| 3 | UKC317D1;HE2317X | | | | | UK317D1;HE2317X | C317D1 | |
| 80 | UKC318D1;H2318X | 225 | 66 | 4 | 86 | UK318D1;H2318X | C318D1 | 13 |
| 3 3/16 | UKC318D1;HA2318X | 8.8583 | 2 19/32 | 0.157 | 3.386 | UK318D1;HA2318X | C318D1 | 29 |
| 85 | UKC319D1;H2319X | 240 | 72 | 4 | 90 | UK319D1;H2319X | C319D1 | 16 |
| 3 1/4 | UKC319D1;HE2319X | 9.4488 | 2 53/64 | 0.157 | 3.543 | UK319D1;HE2319X | C319D1 | 35 |
| 90 | UKC320D1;H2320X | 260 | 75 | 4 | 97 | UK320D1;H2320X | C320D1 | 20 |
| 3 7/16 | UKC320D1;HA2320 | 10.2362 | 2 61/64 | 0.157 | 3.819 | UK320D1;HA2320 | C320D1 | 44 |
| 3 1/2 | UKC320D1;HE2320X | | | | | UK320D1;HE2320X | C320D1 | |
| 100 | UKC322D1;H2322X | 300 | 80 | 5 | 105 | UK322D1;H2322X | C322D1 | 29 |
| 110 | UKC324D1;H2324 | 320 | 90 | 5 | 112 | UK324D1;H2324 | C324D1 | 35 |
| 115 | UKC326D1;H2326 | 340 | 100 | 5 | 121 | UK326D1;H2326 | C326D1 | 43 |
| 125 | UKC328D1;H2328 | 360 | 100 | 5 | 131 | UK328D1;H2328 | C328D1 | 50 |

**Notes** (1) These numbers indicate relubricatable type. If maintenance free type is needed, please order without suffix "D1".
(2) Adapter number with suffix "X" means a narrow slot type adapter sleeve.
In this case the lock washer with the straight inner prong should be used.
**Remarks** Please refer to page **A21** for size of grease fitting.

## Cartridge unit, cast housing
## Adapter type

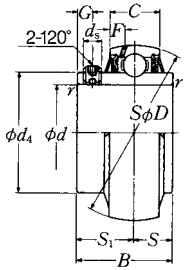



| Shaft dia. mm / inch | Unit number (1)(2)(3) | Nominal dimensions mm / inch H | A | r | B1 | Bearing number | Housing number | Mass of unit kg / lb |
|---|---|---|---|---|---|---|---|---|
| 20 | **UKCX05D1;H2305X** | 90 | 27 | 2 | 35 | UKX05D1;H2305X | CX05D1 | 1.1 |
| 3/4 | **UKCX05D1;HE2305** | 3.5433 | 1 1/16 | 0.079 | 1.378 | UKX05D1;HE2305 | CX05D1 | 2.4 |
| 25 | **UKCX06D1;H2306X** | 100 | 30 | 2.5 | 38 | UKX06D1;H2306X | CX06D1 | 1.4 |
| 7/8 | **UKCX06D1;HS2306** | 3.9370 | 1 3/16 | 0.098 | 1.496 | UKX06D1;HS2306 | CX06D1 | 3.1 |
| 1 | **UKCX06D1;HE2306X** | | | | | UKX06D1;HE2306X | CX06D1 | |
| 30 | **UKCX07D1;H2307X** | 110 | 34 | 2.5 | 43 | UKX07D1;H2307X | CX07D1 | 1.8 |
| 1 1/8 | **UKCX07D1;HS2307** | 4.3307 | 1 11/32 | 0.098 | 1.693 | UKX07D1;HS2307 | CX07D1 | 4.0 |
| 35 | **UKCX08D1;H2308X** | 120 | 38 | 2.5 | 46 | UKX08D1;H2308X | CX08D1 | 2.5 |
| 1 1/4 | **UKCX08D1;HE2308X** | 4.7244 | 1 1/2 | 0.098 | 1.811 | UKX08D1;HE2308X | CX08D1 | 5.5 |
| 1 3/8 | **UKCX08D1;HS2308X** | | | | | UKX08D1;HS2308X | CX08D1 | |
| 40 | **UKCX09D1;H2309X** | 120 | 38 | 2.5 | 50 | UKX09D1;H2309X | CX09D1 | 2.2 |
| 1 7/16 | **UKCX09D1;HA2309** | | | | | UKX09D1;HA2309 | CX09D1 | |
| 1 1/2 | **UKCX09D1;HE2309X** | 4.7244 | 1 1/2 | 0.098 | 1.969 | UKX09D1;HE2309X | CX09D1 | 4.9 |
| 1 5/8 | **UKCX09D1;HS2309X** | | | | | UKX09D1;HS2309X | CX09D1 | |
| 45 | **UKCX10D1;H2310X** | 130 | 40 | 2.5 | 55 | UKX10D1;H2310X | CX10D1 | 2.7 |
| 1 5/8 | **UKCX10D1;HS2310** | | | | | UKX10D1;HS2310 | CX10D1 | |
| 1 11/16 | **UKCX10D1;HA2310** | 5.1181 | 1 37/64 | 0.098 | 2.165 | UKX10D1;HA2310 | CX10D1 | 6.0 |
| 1 3/4 | **UKCX10D1;HE2310X** | | | | | UKX10D1;HE2310X | CX10D1 | |
| 50 | **UKCX11D1;H2311X** | 150 | 42 | 3 | 59 | UKX11D1;H2311X | CX11D1 | 4.0 |
| 1 7/8 | **UKCX11D1;HS2311** | | | | | UKX11D1;HS2311 | CX11D1 | |
| 1 15/16 | **UKCX11D1;HA2311** | 5.9055 | 1 21/32 | 0.118 | 2.323 | UKX11D1;HA2311 | CX11D1 | 8.8 |
| 2 | **UKCX11D1;HE2311XY** | | | | | UKX11D1;HE2311XY | CX11D1 | |
| 55 | **UKCX12D1;H2312X** | 160 | 44 | 3 | 62 | UKX12D1;H2312X | CX12D1 | 3.9 |
| 2 1/8 | **UKCX12D1;HS2312** | 6.2992 | 1 47/64 | 0.118 | 2.441 | UKX12D1;HS2312 | CX12D1 | 8.6 |

**Notes** (1) These numbers indicate relubricatable type. If maintenance free type is needed, please order without suffix "D1".
(2) Adapter number with suffix "X" means a narrow slot type adapter sleeve.
In this case the lock washer with the straight inner prong should be used.
(3) For HE2311XY, screw thread pitch different from the standard is applied, because of the thin thread section of sleeve.
To distinguish it, a suffix "Y" is added.

**Remarks** Please refer to page **A21** for size of grease fitting.

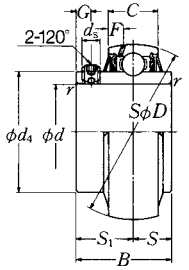
## Ball bearings
## Set screw type




| Shaft dia. mm / inch | Bearing (1) number | Nominal dimensions mm / inch | | | | | | | | | | | Basic load ratings N / lbf | | Mass kg / lb |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | $d$ | $D$ | $B$ | $C$ | $r$ min. | $S$ | $S_1$ | $G$ | $d_s$ | $d_4$ | $F$ | dynamic $C_r$ | static $C_{0r}$ | |
| 12 | **UC201D1** | 12 | 47 | 31 | 17 | 0.6 | 12.7 | 18.3 | 4.5 | M5×0.8 | 29.6 | 4.7 | 12 800 | 6 650 | 0.21 |
| 1/2 | **UC201-008D1** | 0.5000 | 1.8504 | 1.2205 | 0.6693 | 0.024 | 0.500 | 0.720 | 0.177 | No.10-32UNF | 1.1654 | 0.185 | 2 890 | 1 500 | 0.46 |
| 15 | **UC202D1** | 15 | 47 | 31 | 17 | 0.6 | 12.7 | 18.3 | 4.5 | M5×0.8 | 29.6 | 4.7 | 12 800 | 6 650 | 0.20 |
| 9/16 | **UC202-009D1** | 0.5625 | 1.8504 | 1.2205 | 0.6693 | 0.024 | 0.500 | 0.720 | 0.177 | No.10-32UNF | 1.1654 | 0.185 | 2 890 | 1 500 | 0.44 |
| 5/8 | **UC202-010D1** | 0.6250 | | | | | | | | | | | | | 0.42 |
| 17 | **UC203D1** | 17 | 47 | 31 | 17 | 0.6 | 12.7 | 18.3 | 4.5 | M5×0.8 | 29.6 | 4.7 | 12 800 | 6 650 | 0.18 |
| 11/16 | **UC203-011D1** | 0.6875 | 1.8504 | 1.2205 | 0.6693 | 0.024 | 0.500 | 0.720 | 0.177 | No.10-32UNF | 1.1654 | 0.185 | 2 890 | 1 500 | 0.39 |
| 20 | **UC204D1** | 20 | 47 | 31 | 17 | 1 | 12.7 | 18.3 | 4.5 | M5×0.8 | 29.6 | 4.7 | 12 800 | 6 650 | 0.17 |
| 3/4 | **UC204-012D1** | 0.7500 | 1.8504 | 1.2205 | 0.6693 | 0.039 | 0.500 | 0.720 | 0.177 | No.10-32UNF | 1.1654 | 0.185 | 2 890 | 1 500 | 0.39 |
| 25 | **UC205D1** | 25 | 52 | 34.1 | 17 | 1 | 14.3 | 19.8 | 5 | M5×0.8 | 33.9 | 4.5 | 14 000 | 7 850 | 0.20 |
| 13/16 | **UC205-013D1** | 0.8125 | | | | | | | | | | | | | 0.53 |
| 7/8 | **UC205-014D1** | 0.8750 | | | | | | | | | | | | | 0.51 |
| 15/16 | **UC205-015D1** | 0.9375 | 2.0472 | 1.3425 | 0.6693 | 0.039 | 0.563 | 0.780 | 0.197 | No.10-32UNF | 1.3346 | 0.177 | 3 150 | 1 770 | 0.46 |
| 1 | **UC205-100D1** | 1.0000 | | | | | | | | | | | | | 0.44 |
| 30 | **UC206D1** | 30 | 62 | 38.1 | 19 | 1 | 15.9 | 22.2 | 5 | M6×0.75 | 40.8 | 4.6 | 19 500 | 11 300 | 0.32 |
| 1 1/16 | **UC206-101D1** | 1.0625 | | | | | | | | | | | | | 0.82 |
| 1 1/8 | **UC206-102D1** | 1.1250 | | | | | | | | | | | | | 0.77 |
| 1 3/16 | **UC206-103D1** | 1.1875 | 2.4409 | 1.5000 | 0.7480 | 0.039 | 0.626 | 0.874 | 0.197 | 1/4-28UNF | 1.6063 | 0.181 | 4 400 | 2 540 | 0.73 |
| 1 1/4 | **UC206-104D1** | 1.2500 | | | | | | | | | | | | | 0.66 |
| 35 | **UC207D1** | 35 | 72 | 42.9 | 20 | 1.5 | 17.5 | 25.4 | 6 | M6×0.75 | 46.8 | 4.6 | 25 700 | 15 300 | 0.46 |
| 1 1/4 | **UC207-104D1** | 1.2500 | | | | | | | | | | | | | 1.21 |
| 1 5/16 | **UC207-105D1** | 1.3125 | | | | | | | | | | | | | 1.15 |
| 1 3/8 | **UC207-106D1** | 1.3750 | 2.8346 | 1.6890 | 0.7874 | 0.059 | 0.689 | 1.000 | 0.236 | 1/4-28UNF | 1.8425 | 0.181 | 5 750 | 3 450 | 1.08 |
| 1 7/16 | **UC207-107D1** | 1.4375 | | | | | | | | | | | | | 1.01 |
| 40 | **UC208D1** | 40 | 80 | 49.2 | 21 | 1.5 | 19 | 30.2 | 8 | M8×1 | 53 | 4.5 | 29 100 | 17 800 | 0.64 |
| 1 1/2 | **UC208-108D1** | 1.5000 | 3.1496 | 1.9370 | 0.8268 | 0.059 | 0.748 | 1.189 | 0.315 | 5/16-24UNF | 2.0866 | 0.177 | 6 550 | 4 000 | 1.52 |
| 1 9/16 | **UC208-109D1** | 1.5625 | | | | | | | | | | | | | 1.46 |
| 45 | **UC209D1** | 45 | 85 | 49.2 | 22 | 1.5 | 19 | 30.2 | 8 | M8×1 | 57.5 | 4.9 | 32 500 | 20 400 | 0.68 |
| 1 5/8 | **UC209-110D1** | 1.6250 | 3.3465 | 1.9370 | 0.8661 | 0.059 | 0.748 | 1.189 | 0.315 | 5/16-24UNF | 2.2638 | 0.193 | 7 350 | 4 600 | 1.76 |
| 1 11/16 | **UC209-111D1** | 1.6875 | | | | | | | | | | | | | 1.68 |
| 1 3/4 | **UC209-112D1** | 1.7500 | | | | | | | | | | | | | 1.57 |

**Note** (1) These numbers indicate relubricatable type. If maintenance free type is needed, please order without suffix "D1".

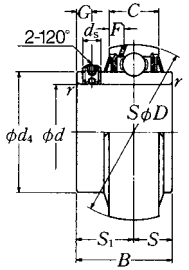
## Ball bearings
## Set screw type




| Shaft dia. mm / inch | Bearing (1) number | Nominal dimensions mm / inch | | | | | | | | | | | Basic load ratings N / lbf | | Mass kg / lb |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | $d$ | $D$ | $B$ | $C$ | $r$ min. | $S$ | $S_1$ | $G$ | $d_s$ | $d_4$ | $F$ | dynamic $C_r$ | static $C_{0r}$ | |
| 50 | **UC210D1** | 50 | 90 | 51.6 | 24 | 1.5 | 19 | 32.6 | 9 | M8×1 | 62.4 | 5.9 | 35 000 | 23 200 | 0.78 |
| $1\frac{13}{16}$ | **UC210-113D1** | 1.8125 | | | | | | | | | | | | | 2.03 |
| $1\frac{7}{8}$ | **UC210-114D1** | 1.8750 | 3.5433 | 2.0315 | 0.9449 | 0.059 | 0.748 | 1.283 | 0.354 | $\frac{5}{16}$-24UNF | 2.4567 | 0.232 | 7 900 | 5 200 | 1.92 |
| $1\frac{15}{16}$ | **UC210-115D1** | 1.9375 | | | | | | | | | | | | | 1.81 |
| 2 | **UC210-200D1** | 2.0000 | | | | | | | | | | | | | 1.69 |
| 55 | **UC211D1** | 55 | 100 | 55.6 | 25 | 2 | 22.2 | 33.4 | 9 | M8×1 | 69 | 6.0 | 43 500 | 29 200 | 1.04 |
| 2 | **UC211-200D1** | 2.0000 | | | | | | | | | | | | | 2.71 |
| $2\frac{1}{16}$ | **UC211-201D1** | 2.0625 | 3.9370 | 2.1890 | 0.9843 | 0.079 | 0.874 | 1.315 | 0.354 | $\frac{5}{16}$-24UNF | 2.7165 | 0.236 | 9 750 | 6 550 | 2.60 |
| $2\frac{1}{8}$ | **UC211-202D1** | 2.1250 | | | | | | | | | | | | | 2.46 |
| $2\frac{3}{16}$ | **UC211-203D1** | 2.1875 | | | | | | | | | | | | | 2.34 |
| 60 | **UC212D1** | 60 | 110 | 65.1 | 27 | 2 | 25.4 | 39.7 | 10 | M10×1.25 | 77 | 6.2 | 52 500 | 36 000 | 1.46 |
| $2\frac{1}{4}$ | **UC212-204D1** | 2.2500 | | | | | | | | | | | | | 3.66 |
| $2\frac{5}{16}$ | **UC212-205D1** | 2.3125 | 4.3307 | 2.5630 | 1.0630 | 0.079 | 1.000 | 1.563 | 0.394 | $\frac{3}{8}$-24UNF | 3.0315 | 0.244 | 11 800 | 8 150 | 3.50 |
| $2\frac{3}{8}$ | **UC212-206D1** | 2.3750 | | | | | | | | | | | | | 3.33 |
| $2\frac{7}{16}$ | **UC212-207D1** | 2.4375 | | | | | | | | | | | | | 3.17 |
| 65 | **UC213D1** | 65 | 120 | 65.1 | 32 | 2 | 25.4 | 39.7 | 10 | M10×1.25 | 82.5 | 8.7 | 57 500 | 40 000 | 1.86 |
| $2\frac{1}{2}$ | **UC213-208D1** | 2.5000 | 4.7244 | 2.5630 | 1.2598 | 0.079 | 1.000 | 1.563 | 0.394 | $\frac{3}{8}$-24UNF | 3.2480 | 0.343 | 12 900 | 9 000 | 4.26 |
| $2\frac{9}{16}$ | **UC213-209D1** | 2.5625 | | | | | | | | | | | | | 4.09 |
| 70 | **UC214D1** | 70 | 125 | 74.6 | 33 | 2 | 30.2 | 44.4 | 12 | M10×1.25 | 87 | 8.8 | 62 000 | 44 000 | 2.10 |
| $2\frac{5}{8}$ | **UC214-210D1** | 2.6250 | | | | | | | | | | | | | 5.09 |
| $2\frac{11}{16}$ | **UC214-211D1** | 2.6875 | 4.9213 | 2.9370 | 1.2992 | 0.079 | 1.189 | 1.748 | 0.472 | $\frac{3}{8}$-24UNF | 3.4252 | 0.346 | 14 000 | 9 900 | 4.87 |
| $2\frac{3}{4}$ | **UC214-212D1** | 2.7500 | | | | | | | | | | | | | 4.65 |
| 75 | **UC215D1** | 75 | 130 | 77.8 | 34 | 2 | 33.3 | 44.5 | 12 | M10×1.25 | 93 | 9.0 | 66 000 | 49 500 | 2.34 |
| $2\frac{13}{16}$ | **UC215-213D1** | 2.8125 | | | | | | | | | | | | | 5.73 |
| $2\frac{7}{8}$ | **UC215-214D1** | 2.8750 | 5.1181 | 3.0630 | 1.3386 | 0.079 | 1.311 | 1.752 | 0.472 | $\frac{3}{8}$-24UNF | 3.6614 | 0.354 | 14 900 | 11 100 | 5.49 |
| $2\frac{15}{16}$ | **UC215-215D1** | 2.9375 | | | | | | | | | | | | | 5.25 |
| 3 | **UC215-300D1** | 3.0000 | | | | | | | | | | | | | 4.98 |
| 80 | **UC216D1** | 80 | 140 | 82.6 | 35 | 2.5 | 33.3 | 49.3 | 12 | M10×1.25 | 98.1 | 9.5 | 72 500 | 53 000 | 2.78 |
| $3\frac{1}{16}$ | **UC216-301D1** | 3.0625 | | | | | | | | | | | | | 6.57 |
| $3\frac{1}{8}$ | **UC216-302D1** | 3.1250 | 5.5118 | 3.2520 | 1.3780 | 0.098 | 1.311 | 1.941 | 0.472 | $\frac{3}{8}$-24UNF | 3.8622 | 0.374 | 16 300 | 11 900 | 6.28 |
| $3\frac{3}{16}$ | **UC216-303D1** | 3.1875 | | | | | | | | | | | | | 6.00 |

**Note** (1) These numbers indicate relubricatable type. If maintenance free type is needed, please order without suffix "D1".

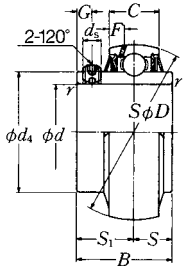
## Ball bearings
## Set screw type




| Shaft dia. | Bearing (1) number | Nominal dimensions | | | | | | | | | | | Basic load ratings | | Mass | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | mm inch | | | | | | | | | | | N lbf | | kg lb | |
| mm inch | | $d$ | $D$ | $B$ | $C$ | $r$ min. | $S$ | $S_1$ | $G$ | $d_s$ | $d_4$ | $F$ | dynamic $C_r$ | static $C_{0r}$ | | |
| 85 | **UC217D1** | 85 | 150 | 85.7 | 36 | 2.5 | 34.1 | 51.6 | 12 | M12×1.5 | 106.4 | 10.1 | 83 500 | 64 000 | 3.54 | |
| 3 1/4 | **UC217-304D1** | 3.2500 | | | | | | | | | | | | | 7.92 | |
| 3 5/16 | **UC217-305D1** | 3.3125 | 5.9055 | 3.3740 | 1.4173 | 0.098 | 1.343 | 2.031 | 0.472 | 1/2-20UNF | 4.1890 | 0.398 | 18 700 | 14 300 | 7.60 | |
| 3 7/16 | **UC217-307D1** | 3.4375 | | | | | | | | | | | | | 6.97 | |
| 90 | **UC218D1** | 90 | 160 | 96 | 37 | 2.5 | 39.7 | 56.3 | 12 | M12×1.5 | 111.6 | 9.8 | 96 000 | 71 500 | 4.40 | |
| 3 1/2 | **UC218-308D1** | 3.5000 | 6.2992 | 3.7795 | 1.4567 | 0.098 | 1.563 | 2.217 | 0.472 | 1/2-20UNF | 4.3937 | 0.386 | 21 600 | 16 100 | 9.88 | |

**Note** (1) These numbers indicate relubricatable type. If maintenance free type is needed, please order without suffix "D1".

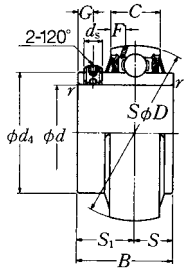
## Ball bearings
## Set screw type




| Shaft dia. mm / inch | Bearing (1) number | Nominal dimensions mm / inch | | | | | | | | | | | Basic load ratings N / lbf | | Mass kg / lb |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | $d$ | $D$ | $B$ | $C$ | $r$ min. | $S$ | $S_1$ | $G$ | $d_s$ | $d_4$ | $F$ | dynamic $C_r$ | static $C_{0r}$ | |
| 25 | **UC305D1** | 25 | 62 | 38 | 20 | 1.5 | 15 | 23 | 6 | M6×0.75 | 36.8 | 5.0 | 21 200 | 10 900 | 0.35 |
| 13/16 | **UC305-013D1** | 0.8125 | | | | | | | | | | | | | 0.88 |
| 7/8 | **UC305-014D1** | 0.8750 | 2.4409 | 1.4961 | 0.7874 | 0.059 | 0.591 | 0.906 | 0.236 | 1/4-28UNF | 1.4488 | 0.197 | 4 750 | 2 460 | 0.84 |
| 15/16 | **UC305-015D1** | 0.9375 | | | | | | | | | | | | | 0.79 |
| 1 | **UC305-100D1** | 1.0000 | | | | | | | | | | | | | 0.77 |
| 30 | **UC306D1** | 30 | 72 | 43 | 23 | 1.5 | 17 | 26 | 6 | M6×0.75 | 44.9 | 5.9 | 26 700 | 15 000 | 0.56 |
| 1 1/16 | **UC306-101D1** | 1.0625 | | | | | | | | | | | | | 1.34 |
| 1 1/8 | **UC306-102D1** | 1.1250 | 2.8346 | 1.6929 | 0.9055 | 0.059 | 0.669 | 1.024 | 0.236 | 1/4-28UNF | 1.7677 | 0.232 | 6 000 | 3 400 | 1.28 |
| 1 3/16 | **UC306-103D1** | 1.1875 | | | | | | | | | | | | | 1.23 |
| 35 | **UC307D1** | 35 | 80 | 48 | 25 | 2 | 19 | 29 | 8 | M8×1 | 49.4 | 6.8 | 33 500 | 19 100 | 0.70 |
| 1 1/4 | **UC307-104D1** | 1.2500 | | | | | | | | | | | | | 1.70 |
| 1 5/16 | **UC307-105D1** | 1.3125 | 3.1496 | 1.8898 | 0.9843 | 0.079 | 0.748 | 1.142 | 0.315 | 5/16-24UNF | 1.9449 | 0.268 | 7 500 | 4 300 | 1.63 |
| 1 3/8 | **UC307-106D1** | 1.3750 | | | | | | | | | | | | | 1.57 |
| 1 7/16 | **UC307-107D1** | 1.4375 | | | | | | | | | | | | | 1.50 |
| 40 | **UC308D1** | 40 | 90 | 52 | 27 | 2 | 19 | 33 | 10 | M10×1.25 | 56 | 7.4 | 40 500 | 24 000 | 0.96 |
| 1 1/2 | **UC308-108D1** | 1.5000 | 3.5433 | 2.0472 | 1.0630 | 0.079 | 0.748 | 1.299 | 0.394 | 3/8-24UNF | 2.2047 | 0.291 | 9 150 | 5 400 | 2.23 |
| 1 9/16 | **UC308-109D1** | 1.5625 | | | | | | | | | | | | | 2.14 |
| 45 | **UC309D1** | 45 | 100 | 57 | 29 | 2 | 22 | 35 | 10 | M10×1.25 | 63.5 | 7.4 | 53 000 | 32 000 | 1.28 |
| 1 5/8 | **UC309-110D1** | 1.6250 | | | | | | | | | | | | | 3.06 |
| 1 11/16 | **UC309-111D1** | 1.6875 | 3.9370 | 2.2441 | 1.1417 | 0.079 | 0.866 | 1.378 | 0.394 | 3/8-24UNF | 2.5000 | 0.291 | 11 900 | 7 200 | 2.98 |
| 1 3/4 | **UC309-112D1** | 1.7500 | | | | | | | | | | | | | 2.87 |
| 50 | **UC310D1** | 50 | 110 | 61 | 32 | 2.5 | 22 | 39 | 12 | M12×1.5 | 70.6 | 8.1 | 62 000 | 38 500 | 1.68 |
| 1 13/16 | **UC310-113D1** | 1.8125 | | | | | | | | | | | | | 3.95 |
| 1 7/8 | **UC310-114D1** | 1.8750 | 4.3307 | 2.4016 | 1.2598 | 0.098 | 0.866 | 1.535 | 0.472 | 1/2-20UNF | 2.7795 | 0.319 | 13 900 | 8 600 | 3.84 |
| 1 15/16 | **UC310-115D1** | 1.9375 | | | | | | | | | | | | | 3.70 |

**Note** (1) These numbers indicate relubricatable type. If maintenance free type is needed, please order without suffix "D1".

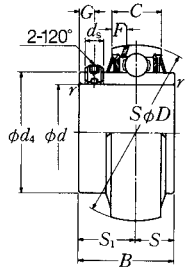
## Ball bearings
## Set screw type




| Shaft dia. mm / inch | Bearing (1) number | Nominal dimensions mm / inch | | | | | | | | | | | Basic load ratings N / lbf | | Mass kg / lb |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | $d$ | $D$ | $B$ | $C$ | $r$ min. | $S$ | $S_1$ | $G$ | $d_s$ | $d_4$ | $F$ | dynamic $C_r$ | static $C_{0r}$ | |
| 55 | UC311D1 | 55 | 120 | 66 | 34 | 2.5 | 25 | 41 | 12 | M12×1.5 | 76.6 | 8.5 | 71 500 | 45 000 | 2.08 |
| 2 | UC311-200D1 | 2.0000 | | | | | | | | | | | | | 4.96 |
| 2 1/16 | UC311-201D1 | 2.0625 | 4.7244 | 2.5984 | 1.3386 | 0.098 | 0.984 | 1.614 | 0.472 | 1/2-20UNF | 3.0157 | 0.335 | 16 100 | 10 100 | 4.81 |
| 2 1/8 | UC311-202D1 | 2.1250 | | | | | | | | | | | | | 4.67 |
| 2 3/16 | UC311-203D1 | 2.1875 | | | | | | | | | | | | | 4.50 |
| 60 | UC312D1 | 60 | 130 | 71 | 36 | 2.5 | 26 | 45 | 12 | M12×1.5 | 82.7 | 9.0 | 82 000 | 52 000 | 2.60 |
| 2 1/4 | UC312-204D1 | 2.2500 | | | | | | | | | | | | | 6.06 |
| 2 5/16 | UC312-205D1 | 2.3125 | 5.1181 | 2.7953 | 1.4173 | 0.098 | 1.024 | 1.772 | 0.472 | 1/2-20UNF | 3.2559 | 0.354 | 18 400 | 11 700 | 5.89 |
| 2 3/8 | UC312-206D1 | 2.3750 | | | | | | | | | | | | | 5.68 |
| 2 7/16 | UC312-207D1 | 2.4375 | | | | | | | | | | | | | 5.51 |
| 65 | UC313D1 | 65 | 140 | 75 | 39 | 2.5 | 30 | 45 | 12 | M12×1.5 | 88.2 | 10.1 | 92 500 | 60 000 | 3.25 |
| 2 1/2 | UC313-208D1 | 2.5000 | 5.5118 | 2.9528 | 1.5354 | 0.098 | 1.181 | 1.772 | 0.472 | 1/2-20UNF | 3.4724 | 0.398 | 20 800 | 13 400 | 7.36 |
| 2 9/16 | UC313-209D1 | 2.5625 | | | | | | | | | | | | | 7.14 |
| 70 | UC314D1 | 70 | 150 | 78 | 41 | 2.5 | 33 | 45 | 12 | M12×1.5 | 94.8 | 10.5 | 104 000 | 68 000 | 3.86 |
| 2 5/8 | UC314-210D1 | 2.6250 | | | | | | | | | | | | | 9.06 |
| 2 11/16 | UC314-211D1 | 2.6875 | 5.9055 | 3.0709 | 1.6142 | 0.098 | 1.299 | 1.772 | 0.472 | 1/2-20UNF | 3.7323 | 0.413 | 23 400 | 15 300 | 8.82 |
| 2 3/4 | UC314-212D1 | 2.7500 | | | | | | | | | | | | | 8.60 |
| 75 | UC315D1 | 75 | 160 | 82 | 43 | 2.5 | 32 | 50 | 14 | M14×1.5 | 101.3 | 11.0 | 113 000 | 77 000 | 4.70 |
| 2 13/16 | UC315-213D1 | 2.8125 | | | | | | | | | | | | | 11.0 |
| 2 7/8 | UC315-214D1 | 2.8750 | 6.2992 | 3.2283 | 1.6929 | 0.098 | 1.260 | 1.969 | 0.551 | 9/16-18UNF | 3.9882 | 0.433 | 25 500 | 17 400 | 10.7 |
| 2 15/16 | UC315-215D1 | 2.9375 | | | | | | | | | | | | | 10.5 |
| 3 | UC315-300D1 | 3.0000 | | | | | | | | | | | | | 10.2 |
| 80 | UC316D1 | 80 | 170 | 86 | 45 | 2.5 | 34 | 52 | 14 | M14×1.5 | 107.9 | 11.4 | 123 000 | 86 500 | 5.60 |
| 3 1/16 | UC316-301D1 | 3.0625 | | | | | | | | | | | | | 12.6 |
| 3 1/8 | UC316-302D1 | 3.1250 | 6.6929 | 3.3858 | 1.7717 | 0.098 | 1.339 | 2.047 | 0.551 | 9/16-18UNF | 4.2480 | 0.449 | 27 600 | 19 500 | 12.3 |
| 3 3/16 | UC316-303D1 | 3.1875 | | | | | | | | | | | | | 12.1 |

**Note** (1) These numbers indicate relubricatable type. If maintenance free type is needed, please order without suffix "D1".

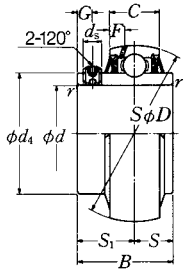
## Ball bearings
## Set screw type




| Shaft dia. | Bearing (1) number | Nominal dimensions | | | | | | | | | | | Basic load ratings | | Mass |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | mm / inch | | | | | | | | | | | N / lbf | | kg / lb |
| mm / inch | | $d$ | $D$ | $B$ | $C$ | $r$ min. | $S$ | $S_1$ | $G$ | $d_s$ | $d_4$ | $F$ | dynamic $C_r$ | static $C_{0r}$ | |
| 85 | UC317D1 | 85 | 180 | 96 | 47 | 3 | 40 | 56 | 16 | M16×1.5 | 114.4 | 12.0 | 133 000 | 97 000 | 6.70 |
| 3 1/4 | UC317-304D1 | 3.2500 | | | | | | | | | | | | | 15.2 |
| 3 5/16 | UC317-305D1 | 3.3125 | 7.0866 | 3.7795 | 1.8504 | 0.118 | 1.575 | 2.205 | 0.630 | 5/8-18UNF | 4.5039 | 0.472 | 29 800 | 21 800 | 14.9 |
| 3 7/16 | UC317-307D1 | 3.4375 | | | | | | | | | | | | | 14.2 |
| 90 | UC318D1 | 90 | 190 | 96 | 49 | 3 | 40 | 56 | 16 | M16×1.5 | 120.9 | 12.3 | 143 000 | 107 000 | 7.60 |
| 3 7/16 | UC318-307D1 | 3.4375 | 7.4803 | 3.7795 | 1.9291 | 0.118 | 1.575 | 2.205 | 0.630 | 5/8-18UNF | 4.7598 | 0.484 | 32 000 | 24 100 | 17.3 |
| 3 1/2 | UC318-308D1 | 3.5000 | | | | | | | | | | | | | 16.9 |
| 95 | UC319D1 | 95 | 200 | 103 | 51 | 3 | 41 | 62 | 16 | M16×1.5 | 127.5 | 12.8 | 153 000 | 119 000 | 8.70 |
| 3 5/8 | UC319-310D1 | 3.6250 | | | | | | | | | | | | | 19.9 |
| 3 11/16 | UC319-311D1 | 3.6875 | 7.8740 | 4.0551 | 2.0079 | 0.118 | 1.614 | 2.441 | 0.630 | 5/8-18UNF | 5.0197 | 0.504 | 34 500 | 26 600 | 19.5 |
| 3 3/4 | UC319-312D1 | 3.7500 | | | | | | | | | | | | | 19.1 |
| 100 | UC320D1 | 100 | 215 | 108 | 55 | 3 | 42 | 66 | 18 | M18×1.5 | 135.6 | 13.5 | 173 000 | 141 000 | 10.8 |
| 3 13/16 | UC320-313D1 | 3.8125 | | | | | | | | | | | | | 24.7 |
| 3 7/8 | UC320-314D1 | 3.8750 | 8.4646 | 4.2520 | 2.1654 | 0.118 | 1.654 | 2.598 | 0.709 | 5/8-18UNF | 5.3386 | 0.531 | 39 000 | 31 500 | 24.2 |
| 3 15/16 | UC320-315D1 | 3.9375 | | | | | | | | | | | | | 23.8 |
| 4 | UC320-400D1 | 4.0000 | | | | | | | | | | | | | 23.4 |
| 105 | UC321D1 | 105 | 225 | 112 | 57 | 3 | 44 | 68 | 18 | M18×1.5 | 142.1 | 13.9 | 184 000 | 153 000 | 12.2 |
| 110 | UC322D1 | 110 | 240 | 117 | 59 | 3 | 46 | 71 | 18 | M18×1.5 | 151.7 | 13.9 | 205 000 | 179 000 | 14.3 |
| 120 | UC324D1 | 120 | 260 | 126 | 63 | 3 | 51 | 75 | 18 | M18×1.5 | 165.2 | 16.0 | 207 000 | 185 000 | 18.5 |
| 130 | UC326D1 | 130 | 280 | 135 | 67 | 4 | 54 | 81 | 20 | M20×1.5 | 178.3 | 16.9 | 229 000 | 214 000 | 23.0 |
| 140 | UC328D1 | 140 | 300 | 145 | 71 | 4 | 59 | 86 | 20 | M20×1.5 | 190.4 | 17.7 | 253 000 | 246 000 | 28.5 |

**Note** (1) These numbers indicate relubricatable type. If maintenance free type is needed, please order without suffix "D1".

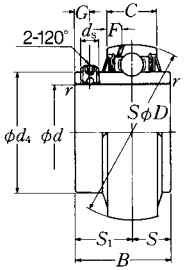
## Ball bearings
## Set screw type




| Shaft dia. mm inch | Bearing (1) number | Nominal dimensions mm inch $d$ | $D$ | $B$ | $C$ | $r$ min. | $S$ | $S_1$ | $G$ | $d_s$ | $d_4$ | $F$ | Basic load ratings N lbf dynamic $C_r$ | static $C_{0r}$ | Mass kg lb |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 25 | UCX05D1 | 25 | 62 | 38.1 | 19 | 1 | 15.9 | 22.2 | 5 | M6×0.75 | 40.8 | 4.6 | 19 500 | 11 300 | 0.39 |
| 13/16 | UCX05-013D1 | 0.8125 | | | | | | | | | | | | | 0.97 |
| 7/8 | UCX05-014D1 | 0.8750 | 2.4409 | 1.5000 | 0.7480 | 0.039 | 0.626 | 0.874 | 0.197 | 1/4-28UNF | 1.6063 | 0.181 | 4 400 | 2 540 | 0.93 |
| 15/16 | UCX05-015D1 | 0.9375 | | | | | | | | | | | | | 0.88 |
| 1 | UCX05-100D1 | 1.0000 | | | | | | | | | | | | | 0.84 |
| 30 | UCX06D1 | 30 | 72 | 42.9 | 20 | 1 | 17.5 | 25.4 | 6 | M8×1 | 46.8 | 4.6 | 25 700 | 15 300 | 0.68 |
| 1 1/16 | UCX06-101D1 | 1.0625 | | | | | | | | | | | | | 1.61 |
| 1 1/8 | UCX06-102D1 | 1.1250 | 2.8346 | 1.6890 | 0.7874 | 0.039 | 0.689 | 1.000 | 0.236 | 5/16-24UNF | 1.8425 | 0.181 | 5 750 | 3 450 | 1.54 |
| 1 3/16 | UCX06-103D1 | 1.1875 | | | | | | | | | | | | | 1.50 |
| 35 | UCX07D1 | 35 | 80 | 49.2 | 21 | 1.5 | 19 | 30.2 | 8 | M8×1 | 53 | 4.5 | 29 100 | 17 800 | 0.74 |
| 1 5/16 | UCX07-105D1 | 1.3125 | | | | | | | | | | | | | 1.87 |
| 1 3/8 | UCX07-106D1 | 1.3750 | 3.1496 | 1.9370 | 0.8268 | 0.059 | 0.748 | 1.189 | 0.315 | 5/16-24UNF | 2.0866 | 0.177 | 6 550 | 4 000 | 1.81 |
| 1 7/16 | UCX07-107D1 | 1.4375 | | | | | | | | | | | | | 1.74 |
| 40 | UCX08D1 | 40 | 85 | 49.2 | 22 | 1.5 | 19 | 30.2 | 8 | M8×1 | 57.5 | 4.9 | 32 500 | 20 400 | 0.80 |
| 1 1/2 | UCX08-108D1 | 1.5000 | 3.3465 | 1.9370 | 0.8661 | 0.059 | 0.748 | 1.189 | 0.315 | 5/16-24UNF | 2.2638 | 0.193 | 7 350 | 4 600 | 2.16 |
| 1 9/16 | UCX08-109D1 | 1.5625 | | | | | | | | | | | | | 2.07 |
| 45 | UCX09D1 | 45 | 90 | 51.6 | 24 | 1.5 | 19 | 32.6 | 9 | M10×1.25 | 62.4 | 5.9 | 35 000 | 23 200 | 0.94 |
| 1 5/8 | UCX09-110D1 | 1.6250 | | | | | | | | | | | | | 2.43 |
| 1 11/16 | UCX09-111D1 | 1.6875 | 3.5433 | 2.0315 | 0.9449 | 0.059 | 0.748 | 1.283 | 0.354 | 3/8-24UNF | 2.4567 | 0.232 | 7 900 | 5 200 | 2.34 |
| 1 3/4 | UCX09-112D1 | 1.7500 | | | | | | | | | | | | | 2.25 |
| 50 | UCX10D1 | 50 | 100 | 55.6 | 25 | 1.5 | 22.2 | 33.4 | 9 | M10×1.25 | 69 | 6.0 | 43 500 | 29 200 | 1.22 |
| 1 7/8 | UCX10-114D1 | 1.8750 | 3.9370 | 2.1890 | 0.9843 | 0.059 | 0.874 | 1.315 | 0.354 | 3/8-24UNF | 2.7165 | 0.236 | 9 750 | 6 550 | 3.15 |
| 1 15/16 | UCX10-115D1 | 1.9375 | | | | | | | | | | | | | 3.04 |
| 55 | UCX11D1 | 55 | 110 | 65.1 | 27 | 2 | 25.4 | 39.7 | 10 | M10×1.25 | 77 | 6.2 | 52 500 | 36 000 | 1.72 |
| 2 1/16 | UCX11-201D1 | 2.0625 | | | | | | | | | | | | | 4.43 |
| 2 1/8 | UCX11-202D1 | 2.1250 | 4.3307 | 2.5630 | 1.0630 | 0.079 | 1.000 | 1.563 | 0.394 | 3/8-24UNF | 3.0315 | 0.244 | 11 800 | 8 150 | 4.30 |
| 2 3/16 | UCX11-203D1 | 2.1875 | | | | | | | | | | | | | 4.12 |
| 60 | UCX12D1 | 60 | 120 | 65.1 | 32 | 2 | 25.4 | 39.7 | 10 | M10×1.25 | 82.5 | 8.7 | 57 500 | 40 000 | 2.10 |
| 2 3/8 | UCX12-206D1 | 2.3750 | 4.7244 | 2.5630 | 1.2598 | 0.079 | 1.000 | 1.563 | 0.394 | 3/8-24UNF | 3.2480 | 0.343 | 12 900 | 9 000 | 4.96 |
| 2 7/16 | UCX12-207D1 | 2.4375 | | | | | | | | | | | | | 4.81 |

**Note** (1) These numbers indicate relubricatable type. If maintenance free type is needed, please order without suffix "D1".

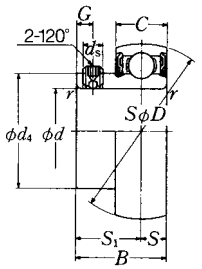
## Ball bearings
## Set screw type




| Shaft dia. | Bearing (1) number | Nominal dimensions | | | | | | | | | | | Basic load ratings | | Mass |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | mm inch | | | | | | | | | | | N lbf | | kg lb |
| mm inch | | $d$ | $D$ | $B$ | $C$ | $r$ min. | $S$ | $S_1$ | $G$ | $d_s$ | $d_4$ | $F$ | dynamic $C_r$ | static $C_{0r}$ | |
| 65 | UCX13D1 | 65 | 125 | 74.6 | 33 | 2 | 30.2 | 44.4 | 12 | M12×1.5 | 87 | 8.8 | 62 000 | 44 000 | 2.45 |
| 2 1/2 | UCX13-208D1 | 2.5000 | 4.9213 | 2.9370 | 1.2992 | 0.079 | 1.189 | 1.748 | 0.472 | 1/2-20UNF | 3.4252 | 0.346 | | | 5.60 |
| 2 9/16 | UCX13-209D1 | 2.5625 | | | | | | | | | | | 14 000 | 9 900 | 5.38 |
| 70 | UCX14D1 | 70 | 130 | 77.8 | 34 | 2 | 33.3 | 44.5 | 12 | M12×1.5 | 93 | 9.0 | 66 000 | 49 500 | 2.47 |
| 2 5/8 | UCX14-210D1 | 2.6250 | | | | | | | | | | | | | 5.93 |
| 2 11/16 | UCX14-211D1 | 2.6875 | 5.1181 | 3.0630 | 1.3386 | 0.079 | 1.311 | 1.752 | 0.472 | 1/2-20UNF | 3.6614 | 0.354 | 14 900 | 11 100 | 5.69 |
| 2 3/4 | UCX14-212D1 | 2.7500 | | | | | | | | | | | | | 5.47 |
| 75 | UCX15D1 | 75 | 140 | 82.6 | 35 | 2 | 33.3 | 49.3 | 12 | M12×1.5 | 98.1 | 9.5 | 72 500 | 53 000 | 3.11 |
| 2 13/16 | UCX15-213D1 | 2.8125 | | | | | | | | | | | | | 7.43 |
| 2 7/8 | UCX15-214D1 | 2.8750 | 5.5118 | 3.2520 | 1.3780 | 0.079 | 1.311 | 1.941 | 0.472 | 1/2-20UNF | 3.8622 | 0.374 | 16 300 | 11 900 | 7.19 |
| 2 15/16 | UCX15-215D1 | 2.9375 | | | | | | | | | | | | | 6.92 |
| 3 | UCX15-300D1 | 3.0000 | | | | | | | | | | | | | 6.66 |
| 80 | UCX16D1 | 80 | 150 | 85.7 | 36 | 2.5 | 34.1 | 51.6 | 12 | M12×1.5 | 106.4 | 10.1 | 83 500 | 64 000 | 3.96 |
| 3 1/16 | UCX16-301D1 | 3.0625 | | | | | | | | | | | | | 8.75 |
| 3 1/8 | UCX16-302D1 | 3.1250 | 5.9055 | 3.3740 | 1.4173 | 0.098 | 1.343 | 2.031 | 0.472 | 1/2-20UNF | 4.1890 | 0.398 | 18 700 | 14 300 | 8.47 |
| 3 3/16 | UCX16-303D1 | 3.1875 | | | | | | | | | | | | | 8.18 |
| 85 | UCX17D1 | 85 | 160 | 96 | 37 | 2.5 | 39.7 | 56.3 | 12 | M12×1.5 | 111.6 | 9.8 | 96 000 | 71 500 | 4.72 |
| 3 5/16 | UCX17-305D1 | 3.3125 | 6.2992 | 3.7795 | 1.4567 | 0.098 | 1.563 | 2.217 | 0.472 | 1/2-20UNF | 4.3937 | 0.386 | 21 600 | 16 100 | 10.8 |
| 3 7/16 | UCX17-307D1 | 3.4375 | | | | | | | | | | | | | 10.1 |
| 90 | UCX18D1 | 90 | 170 | 104 | 39 | 2.5 | 42.9 | 61.1 | 14 | M14×1.5 | 118.2 | 10.5 | 109 000 | 82 000 | 5.50 |
| 3 7/16 | UCX18-307D1 | 3.4375 | 6.6929 | 4.0945 | 1.5354 | 0.098 | 1.689 | 2.406 | 0.551 | 9/16-18UNF | 4.6535 | 0.413 | 24 500 | 18 400 | 13.3 |
| 3 1/2 | UCX18-308D1 | 3.5000 | | | | | | | | | | | | | 12.4 |
| 100 | UCX20D1 | 100 | 190 | 117.5 | 44 | 2.5 | 49.2 | 68.3 | 16 | M16×1.5 | 131.3 | 11.3 | 133 000 | 105 000 | 8.06 |
| 3 13/16 | UCX20-313D1 | 3.8125 | | | | | | | | | | | | | 18.8 |
| 3 7/8 | UCX20-314D1 | 3.8750 | 7.4803 | 4.6260 | 1.7323 | 0.098 | 1.937 | 2.689 | 0.630 | 5/8-18UNF | 5.1693 | 0.445 | 29 900 | 23 500 | 18.4 |
| 3 15/16 | UCX20-315D1 | 3.9375 | | | | | | | | | | | | | 19.7 |
| 4 | UCX20-400D1 | 4.0000 | | | | | | | | | | | | | 19.2 |

**Note** (1) These numbers indicate relubricatable type. If maintenance free type is needed, please order without suffix "D1".

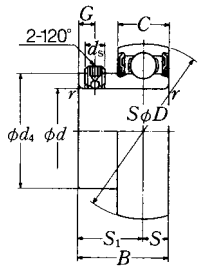
## Ball bearings
## Set screw type




| Shaft dia. mm inch | Bearing (1) number | Nominal dimensions mm inch | | | | | | | | | | Basic load ratings N lbf | | Mass kg lb |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | $d$ | $D$ | $B$ | $C$ | $r$ min. | $S$ | $S_1$ | $G$ | $d_s$ | $d_4$ | dynamic $C_r$ | static $C_{0r}$ | |
| 12 | AS201 | 12 | 40 | 22 | 12 | 0.6 | 6 | 16 | 4.2 | M5×0.8 | 24.3 | 9 600 | 4 600 | 0.10 |
| 1/2 | AS201-008 | 0.5000 | 1.5748 | 0.8661 | 0.4724 | 0.024 | 0.236 | 0.630 | 0.165 | No.10-32UNF | 0.957 | 2 160 | 1 030 | 0.22 |
| 15 | AS202 | 15 | 40 | 22 | 12 | 0.6 | 6 | 16 | 4.2 | M5×0.8 | 24.3 | 9 600 | 4 600 | 0.09 |
| 9/16 | AS202-009 | 0.5625 | 1.5748 | 0.8661 | 0.4724 | 0.024 | 0.236 | 0.630 | 0.165 | No.10-32UNF | 0.957 | 2 160 | 1 030 | 0.21 |
| 5/8 | AS202-010 | 0.6250 | | | | | | | | | | | | 0.20 |
| 17 | AS203 | 17 | 40 | 22 | 12 | 0.6 | 6 | 16 | 4.2 | M5×0.8 | 24.3 | 9 600 | 4 600 | 0.08 |
| 11/16 | AS203-011 | 0.6875 | 1.5748 | 0.8661 | 0.4724 | 0.024 | 0.236 | 0.630 | 0.165 | No.10-32UNF | 0.957 | 2 160 | 1 030 | 0.18 |
| 20 | AS204 | 20 | 47 | 25 | 14 | 1 | 7 | 18 | 4.2 | M5×0.8 | 29.6 | 12 800 | 6 650 | 0.13 |
| 3/4 | AS204-012 | 0.7500 | 1.8504 | 0.9843 | 0.5512 | 0.039 | 0.276 | 0.709 | 0.165 | No.10-32UNF | 1.165 | 2 890 | 1 500 | 0.29 |
| 25 | AS205 | 25 | 52 | 27 | 15 | 1 | 7.5 | 19.5 | 5 | M5×0.8 | 33.9 | 14 000 | 7 850 | 0.16 |
| 13/16 | AS205-013 | 0.8125 | | | | | | | | | | | | 0.42 |
| 7/8 | AS205-014 | 0.8750 | 2.0472 | 1.0630 | 0.5906 | 0.039 | 0.295 | 0.768 | 0.197 | No.10-32UNF | 1.335 | 3 150 | 1 770 | 0.40 |
| 15/16 | AS205-015 | 0.9375 | | | | | | | | | | | | 0.38 |
| 1 | AS205-100 | 1.0000 | | | | | | | | | | | | 0.35 |
| 30 | AS206 | 30 | 62 | 29 | 16 | 1 | 8 | 21 | 5 | M6×0.75 | 40.8 | 19 500 | 11 300 | 0.25 |
| 1 1/16 | AS206-101 | 1.0625 | | | | | | | | | | | | 0.61 |
| 1 1/8 | AS206-102 | 1.1250 | 2.4409 | 1.1417 | 0.6299 | 0.039 | 0.315 | 0.827 | 0.197 | 1/4-28UNF | 1.606 | 4 400 | 2 540 | 0.59 |
| 1 3/16 | AS206-103 | 1.1875 | | | | | | | | | | | | 0.57 |
| 1 1/4 | AS206-104 | 1.2500 | | | | | | | | | | | | 0.55 |
| 35 | AS207 | 35 | 72 | 34 | 17 | 1.5 | 8.5 | 25.5 | 6 | M6×0.75 | 46.8 | 25 700 | 15 300 | 0.38 |
| 1 1/4 | AS207-104 | 1.2500 | | | | | | | | | | | | 1.06 |
| 1 5/16 | AS207-105 | 1.3125 | 2.8346 | 1.3386 | 0.6693 | 0.059 | 0.335 | 1.004 | 0.236 | 1/4-28UNF | 1.843 | 5 750 | 3 450 | 0.93 |
| 1 3/8 | AS207-106 | 1.3750 | | | | | | | | | | | | 0.81 |
| 1 7/16 | AS207-107 | 1.4375 | | | | | | | | | | | | 0.69 |
| 40 | AS208 | 40 | 80 | 38 | 18 | 1.5 | 9 | 29 | 8 | M8×1 | 53 | 29 100 | 17 800 | 0.51 |
| 1 1/2 | AS208-108 | 1.5000 | 3.1496 | 1.4961 | 0.7087 | 0.059 | 0.354 | 1.142 | 0.315 | 5/16-24UNF | 2.087 | 6 550 | 4 000 | 1.15 |
| 1 9/16 | AS208-109 | 1.5625 | | | | | | | | | | | | 1.06 |

**Note** (1) If relubricatable type is needed, please order with suffix "D1".

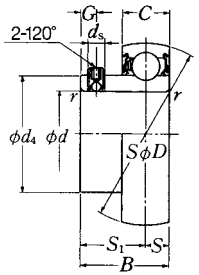
## Ball bearings
## Set screw type




| Shaft dia. mm inch | Bearing (1) number | Nominal dimensions mm inch | | | | | | | | | | Basic load ratings N lbf | | Mass kg lb |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | $d$ | $D$ | $B$ | $C$ | $r$ min. | $S$ | $S_1$ | $G$ | $d_s$ | $d_4$ | dynamic $C_r$ | static $C_{0r}$ | |
| 45 | AS209 | 45 | 85 | 40 | 19 | 1.5 | 9.5 | 30.5 | 8 | M8×1 | 57.5 | 32 500 | 20 400 | 0.55 |
| 1 5/8 | AS209-110 | 1.6250 | | | | | | | | | | | | 1.39 |
| 1 11/16 | AS209-111 | 1.6875 | 3.3465 | 1.5748 | 0.7480 | 0.059 | 0.374 | 1.201 | 0.315 | 5/16-24UNF | 2.2638 | 7 350 | 4 600 | 1.32 |
| 1 3/4 | AS209-112 | 1.7500 | | | | | | | | | | | | 1.23 |
| 50 | AS210 | 50 | 90 | 42 | 20 | 1.5 | 10 | 32 | 9 | M8×1 | 62.4 | 35 000 | 23 200 | 0.65 |
| 1 13/16 | AS210-113 | 1.8125 | | | | | | | | | | | | 1.65 |
| 1 7/8 | AS210-114 | 1.8750 | 3.5433 | 1.6535 | 0.7874 | 0.059 | 0.394 | 1.260 | 0.354 | 5/16-24UNF | 2.4567 | 7 900 | 5 200 | 1.57 |
| 1 15/16 | AS210-115 | 1.9375 | | | | | | | | | | | | 1.48 |
| 2 | AS210-200 | 2.0000 | | | | | | | | | | | | 1.39 |

**Note** (1) If relubricatable type is needed, please order with "D1".

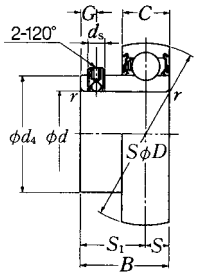
## Ball bearings
## Set screw type




| Shaft dia. mm / inch | Bearing (1) number | Nominal dimensions mm / inch | | | | | | | | | | Basic load ratings N / lbf | | Mass kg / lb |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | $d$ | $D$ | $B$ | $C$ | $r$ min. | $S$ | $S_1$ | $G$ | $d_s$ | $d_4$ | dynamic $C_r$ | static $C_{or}$ | |
| 12 | AR201 | 12 | 40 | 22.5 | 13 | 0.6 | 6.5 | 16 | 5 | M6×0.75 | 24.4 | 9 600 | 4 600 | 0.11 |
| 1/2 | AR201-008 | 0.5000 | 1.5748 | 0.8858 | 0.5118 | 0.024 | 0.256 | 0.630 | 0.197 | 1/4-28UNF | 0.9606 | 2 160 | 1 030 | 0.24 |
| 15 | AR202 | 15 | 40 | 22.5 | 13 | 0.6 | 6.5 | 16 | 5 | M6×0.75 | 24.4 | 9 600 | 4 600 | 0.10 |
| 9/16 | AR202-009 | 0.5625 | 1.5748 | 0.8858 | 0.5118 | 0.024 | 0.256 | 0.630 | 0.197 | 1/4-28UNF | 0.9606 | 2 160 | 1 030 | 0.23 |
| 5/8 | AR202-010 | 0.6250 | | | | | | | | | | | | 0.22 |
| 17 | AR203 | 17 | 40 | 22.5 | 13 | 0.6 | 6.5 | 16 | 5 | M6×0.75 | 24.4 | 9 600 | 4 600 | 0.09 |
| 11/16 | AR203-011 | 0.6875 | 1.5748 | 0.8858 | 0.5118 | 0.024 | 0.256 | 0.630 | 0.197 | 1/4-28UNF | 0.9606 | 2 160 | 1 030 | 0.20 |
| 20 | AR204 | 20 | 47 | 25.5 | 15 | 1 | 7.5 | 18 | 5 | M6×0.75 | 29.6 | 12 800 | 6 650 | 0.14 |
| 3/4 | AR204-012 | 0.7500 | 1.8504 | 1.0039 | 0.5906 | 0.039 | 0.295 | 0.709 | 0.197 | 1/4-28UNF | 1.1654 | 2 890 | 1 500 | 0.31 |
| 25 | AR205 | 25 | 52 | 27 | 15 | 1 | 7.5 | 19.5 | 5 | M6×0.75 | 33.9 | 14 000 | 7 850 | 0.17 |
| 13/16 | AR205-013 | 0.8125 | | | | | | | | | | | | 0.44 |
| 7/8 | AR205-014 | 0.8750 | 2.0472 | 1.0630 | 0.5906 | 0.039 | 0.295 | 0.768 | 0.197 | 1/4-28UNF | 1.3346 | 3 150 | 1 770 | 0.42 |
| 15/16 | AR205-015 | 0.9375 | | | | | | | | | | | | 0.40 |
| 1 | AR205-100 | 1.0000 | | | | | | | | | | | | 0.37 |
| 30 | AR206 | 30 | 62 | 30 | 18 | 1 | 9 | 21 | 5 | M6×0.75 | 40.8 | 19 500 | 11 300 | 0.26 |
| 1 1/16 | AR206-101 | 1.0625 | | | | | | | | | | | | 0.63 |
| 1 1/8 | AR206-102 | 1.1250 | 2.4409 | 1.1811 | 0.7087 | 0.039 | 0.354 | 0.827 | 0.197 | 1/4-28UNF | 1.6063 | 4 400 | 2 540 | 0.61 |
| 1 3/16 | AR206-103 | 1.1875 | | | | | | | | | | | | 0.59 |
| 1 1/4 | AR206-104 | 1.2500 | | | | | | | | | | | | 0.57 |
| 35 | AR207 | 35 | 72 | 35 | 19 | 1.5 | 9.5 | 25.5 | 6 | M6×0.75 | 46.8 | 25 700 | 15 300 | 0.39 |
| 1 1/4 | AR207-104 | 1.2500 | | | | | | | | | | | | 1.10 |
| 1 5/16 | AR207-105 | 1.3125 | 2.8346 | 1.3780 | 0.7480 | 0.059 | 0.374 | 1.004 | 0.236 | 1/4-28UNF | 1.8425 | 5 750 | 3 450 | 0.97 |
| 1 3/8 | AR207-106 | 1.3750 | | | | | | | | | | | | 0.85 |
| 1 7/16 | AR207-107 | 1.4375 | | | | | | | | | | | | 0.73 |
| 40 | AR208 | 40 | 80 | 40 | 22 | 1.5 | 11.0 | 29 | 8 | M8×1 | 53 | 29 100 | 17 800 | 0.54 |
| 1 1/2 | AR208-108 | 1.5000 | 3.1496 | 1.5748 | 0.8661 | 0.059 | 0.433 | 1.142 | 0.315 | 5/16-24UNF | 2.0866 | 6 550 | 4 000 | 1.24 |
| 1 9/16 | AR208-109 | 1.5625 | | | | | | | | | | | | 1.15 |

**Note** (1) If relubricatable type is needed, please order with suffix "D1".

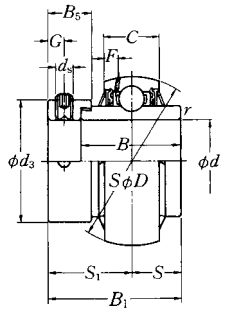
## Ball bearings
## Set screw type




| Shaft dia. | Bearing (1) number | Nominal dimensions | | | | | | | | | | Basic load ratings | | Mass |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | mm inch | | | | | | | | | | N lbf | | kg lb |
| mm inch | | $d$ | $D$ | $B$ | $C$ | $r$ min. | $S$ | $S_1$ | $G$ | $d_s$ | $d_4$ | dynamic $C_r$ | static $C_{0r}$ | |
| 45 | AR209 | 45 | 85 | 41.5 | 22 | 1.5 | 11 | 30.5 | 8 | M8×1 | 57.5 | 32 500 | 20 400 | 0.61 |
| 1 5/8 | AR209-110 | 1.6250 | | | | | | | | | | | | 1.54 |
| 1 11/16 | AR209-111 | 1.6875 | 3.3465 | 1.6339 | 0.8661 | 0.059 | 0.433 | 1.201 | 0.315 | 5/16-24UNF | 2.2638 | 7 350 | 4 600 | 1.46 |
| 1 3/4 | AR209-112 | 1.7500 | | | | | | | | | | | | 1.39 |
| 50 | AR210 | 80 | 90 | 43 | 22 | 1.5 | 11 | 32 | 9 | M8×1 | 62.4 | 35 000 | 23 200 | 0.70 |
| 1 13/16 | AR210-113 | 1.8125 | | | | | | | | | | | | 1.76 |
| 1 7/8 | AR210-114 | 1.8750 | | | | | | | | | | | | 1.68 |
| 1 15/16 | AR210-115 | 1.9375 | 3.5433 | 1.6929 | 0.8661 | 0.059 | 0.433 | 1.260 | 0.354 | 5/16-24UNF | 2.4567 | 7 900 | 5 200 | 1.59 |
| 2 | AR210-200 | 2.0000 | | | | | | | | | | | | 1.50 |

**Note** (1) If relubricatable type is needed, please order with "D1".

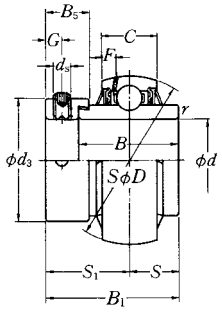
## Ball bearings
## Eccentric locking collar type




| Shaft dia. mm / inch | Bearing (1) number | Nominal dimensions mm / inch $d$ | $D$ | $B_1$ | $B$ | $C$ | $r$ min. | $S$ | $S_1$ | $G$ | $d_s$ | $d_3$ | Nominal dimensions mm / inch $B_5$ | $F$ | Basic load ratings N / lbf dynamic $C_r$ | static $C_{or}$ | Mass kg / lb |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 20 | UEL204D1W3 | 20 | 47 | 43.7 | 34.2 | 17 | 1 | 17.1 | 26.6 | 4.8 | M6×0.75 | 33 | 13.5 | 4.7 | 12 800 | 6 650 | 0.23 |
| 3/4 | UEL204-012D1W3 | 0.7500 | 1.8504 | 1.720 | 1.3465 | 0.6693 | 0.039 | 0.673 | 1.047 | 0.189 | 1/4-28UNF | 1.299 | 0.531 | 0.185 | 2 890 | 1 500 | 0.45 |
| 25 | UEL205D1W3 | 25 | 52 | 44.4 | 34.9 | 17 | 1 | 17.45 | 26.9 | 4.8 | M6×0.75 | 38 | 13.5 | 4.5 | 14 000 | 7 850 | 0.27 |
| 13/16 | UEL205-013D1W3 | 0.8125 | | | | | | | | | | | | | | | 0.61 |
| 7/8 | UEL205-014D1W3 | 0.8750 | 2.0472 | 1.748 | 1.3740 | 0.6693 | 0.039 | 0.687 | 1.059 | 0.189 | 1/4-28UNF | 1.496 | 0.531 | 0.177 | 3 150 | 1 770 | 0.58 |
| 15/16 | UEL205-015D1W3 | 0.9375 | | | | | | | | | | | | | | | 0.55 |
| 1 | UEL205-100D1W3 | 1.0000 | | | | | | | | | | | | | | | 0.51 |
| 30 | UEL206D1W3 | 30 | 62 | 48.4 | 36.5 | 19 | 1 | 18.25 | 30.1 | 6 | M8×1 | 44.5 | 15.9 | 4.6 | 19 500 | 11 300 | 0.45 |
| 1 1/16 | UEL206-101D1W3 | 1.0625 | | | | | | | | | | | | | | | 0.94 |
| 1 1/8 | UEL206-102D1W3 | 1.1250 | 2.4409 | 1.906 | 1.4370 | 0.7480 | 0.039 | 0.719 | 1.185 | 0.236 | 5/16-24UNF | 1.752 | 0.626 | 0.181 | 4 400 | 2 540 | 0.89 |
| 1 3/16 | UEL206-103D1W3 | 1.1875 | | | | | | | | | | | | | | | 0.84 |
| 1 1/4 | UEL206-104D1W3 | 1.2500 | | | | | | | | | | | | | | | 0.80 |
| 35 | UEL207D1W3 | 35 | 72 | 51.1 | 37.6 | 20 | 1.5 | 18.8 | 32.3 | 6.8 | M10×1.25 | 55.5 | 17.5 | 4.6 | 25 700 | 15 300 | 0.60 |
| 1 1/4 | UEL207-104D1W3 | 1.2500 | | | | | | | | | | | | | | | 1.45 |
| 1 5/16 | UEL207-105D1W3 | 1.3125 | 2.8346 | 2.012 | 1.4803 | 0.7874 | 0.059 | 0.740 | 1.272 | 0.268 | 3/8-24UNF | 2.185 | 0.689 | 0.181 | 5 750 | 3 450 | 1.40 |
| 1 3/8 | UEL207-106D1W3 | 1.3750 | | | | | | | | | | | | | | | 1.35 |
| 1 7/16 | UEL207-107D1W3 | 1.4375 | | | | | | | | | | | | | | | 1.28 |
| 40 | UEL208D1W3 | 40 | 80 | 56.3 | 42.8 | 21 | 1.5 | 21.4 | 34.9 | 6.8 | M10×1.25 | 60 | 18.3 | 4.5 | 29 100 | 17 800 | 0.78 |
| 1 1/2 | UEL208-108D1W3 | 1.5000 | 3.1496 | 2.217 | 1.6850 | 0.8268 | 0.059 | 0.843 | 1.374 | 0.268 | 3/8-24UNF | 2.362 | 0.720 | 0.177 | 6 550 | 4 000 | 1.90 |
| 1 9/16 | UEL208-109D1W3 | 1.5625 | | | | | | | | | | | | | | | 1.82 |
| 45 | UEL209D1W3 | 45 | 85 | 56.3 | 42.8 | 22 | 1.5 | 21.4 | 34.9 | 6.8 | M10×1.25 | 63.5 | 18.3 | 4.9 | 32 500 | 20 400 | 0.80 |
| 1 5/8 | UEL209-110D1W3 | 1.6250 | | | | | | | | | | | | | | | 2.05 |
| 1 11/16 | UEL209-111D1W3 | 1.6875 | 3.3465 | 2.217 | 1.6850 | 0.8661 | 0.059 | 0.843 | 1.374 | 0.268 | 3/8-24UNF | 2.500 | 0.720 | 0.193 | 7 350 | 4 600 | 1.97 |
| 1 3/4 | UEL209-112D1W3 | 1.7500 | | | | | | | | | | | | | | | 1.88 |

**Note** (1) These numbers indicate relubricatable type. If maintenance free type is needed, please order without suffix "D1".

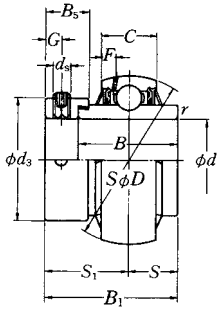
## Ball bearings
## Eccentric locking collar type




| Shaft dia. mm / inch | Bearing (1) number | Nominal dimensions mm / inch $d$ | $D$ | $B_1$ | $B$ | $C$ | $r$ min. | $S$ | $S_1$ | $G$ | $d_s$ | $d_3$ | Nominal dimensions mm / inch $B_5$ | $F$ | Basic load ratings N / lbf dynamic $C_r$ | static $C_{or}$ | Mass kg / lb |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 50 | UEL210D1W3 | 50 | 90 | 62.7 | 49.2 | 24 | 1.5 | 24.6 | 38.1 | 6.8 | M10×1.25 | 69.5 | 18.3 | 5.9 | 35 000 | 23 200 | 0.96 |
| $1\frac{13}{16}$ | UEL210-113D1W3 | 1.8125 | | | | | | | | | | | | | | | 2.46 |
| $1\frac{7}{8}$ | UEL210-114D1W3 | 1.8750 | 3.5433 | 2.469 | 1.9370 | 0.9449 | 0.059 | 0.969 | 1.500 | 0.268 | $\frac{3}{8}$-24UNF | 2.736 | 0.720 | 0.232 | 7 900 | 5 200 | 2.36 |
| $1\frac{15}{16}$ | UEL210-115D1W3 | 1.9375 | | | | | | | | | | | | | | | 2.25 |
| 2 | UEL210-200D1W3 | 2.0000 | | | | | | | | | | | | | | | 2.09 |
| 55 | UEL211D1W3 | 55 | 100 | 71.4 | 55.5 | 25 | 2 | 27.75 | 43.6 | 8 | M10×1.25 | 76 | 20.7 | 6.0 | 43 500 | 29 200 | 1.32 |
| 2 | UEL211-200D1W3 | 2.0000 | | | | | | | | | | | | | | | 3.28 |
| $2\frac{1}{16}$ | UEL211-201D1W3 | 2.0625 | 3.9370 | 2.811 | 2.1850 | 0.9843 | 0.079 | 1.093 | 1.717 | 0.315 | $\frac{3}{8}$-24UNF | 2.992 | 0.815 | 0.236 | 9 750 | 6 550 | 3.12 |
| $2\frac{1}{8}$ | UEL211-202D1W3 | 2.1250 | | | | | | | | | | | | | | | 3.02 |
| $2\frac{3}{16}$ | UEL211-203D1W3 | 2.1875 | | | | | | | | | | | | | | | 2.90 |
| 60 | UEL212D1W3 | 60 | 110 | 77.8 | 61.9 | 27 | 2 | 30.95 | 46.8 | 8 | M10×1.25 | 84 | 22.3 | 6.2 | 52 500 | 36 000 | 1.79 |
| $2\frac{1}{4}$ | UEL212-204D1W3 | 2.2500 | | | | | | | | | | | | | | | 4.38 |
| $2\frac{5}{16}$ | UEL212-205D1W3 | 2.3125 | 4.3307 | 3.063 | 2.4370 | 1.0630 | 0.079 | 1.219 | 1.843 | 0.315 | $\frac{3}{8}$-24UNF | 3.307 | 0.878 | 0.244 | 11 800 | 8 150 | 4.22 |
| $2\frac{3}{8}$ | UEL212-206D1W3 | 2.3750 | | | | | | | | | | | | | | | 4.05 |
| $2\frac{7}{16}$ | UEL212-207D1W3 | 2.4375 | | | | | | | | | | | | | | | 3.88 |
| 65 | UEL213D1W3 | 65 | 120 | 85.7 | 68.3 | 32 | 2 | 34.15 | 51.55 | 8.7 | M10×1.25 | 97 | 23.8 | 8.7 | 57 500 | 40 000 | 2.54 |
| $2\frac{1}{2}$ | UEL213-208D1W3 | 2.5000 | 4.7244 | 3.374 | 2.6890 | 1.2598 | 0.079 | 1.344 | 2.030 | 0.343 | $\frac{3}{8}$-24UNF | 3.819 | 0.937 | 0.343 | 12 900 | 9 000 | 5.47 |
| $2\frac{9}{16}$ | UEL213-209D1W3 | 2.5625 | | | | | | | | | | | | | | | 5.30 |
| 70 | UEL214D1W3 | 70 | 125 | 85.7 | 68.3 | 33 | 2 | 34.15 | 51.55 | 8.7 | M10×1.25 | 97 | 23.8 | 8.8 | 62 000 | 44 000 | 2.47 |
| $2\frac{5}{8}$ | UEL214-210D1W3 | 2.6250 | | | | | | | | | | | | | | | 5.67 |
| $2\frac{11}{16}$ | UEL214-211D1W3 | 2.6875 | 4.9213 | 3.374 | 2.6890 | 1.2992 | 0.079 | 1.344 | 2.030 | 0.343 | $\frac{3}{8}$-24UNF | 3.819 | 0.937 | 0.346 | 14 000 | 9 900 | 5.45 |
| $2\frac{3}{4}$ | UEL214-212D1W3 | 2.7500 | | | | | | | | | | | | | | | 5.18 |
| 75 | UEL215D1W3 | 75 | 130 | 92 | 74.6 | 34 | 2 | 37.3 | 54.7 | 8.7 | M10×1.25 | 102 | 23.8 | 9.0 | 66 000 | 49 500 | 2.68 |
| $2\frac{13}{16}$ | UEL215-213D1W3 | 2.8125 | | | | | | | | | | | | | | | 6.39 |
| $2\frac{7}{8}$ | UEL215-214D1W3 | 2.8750 | 5.1181 | 3.622 | 2.9370 | 1.3386 | 0.079 | 1.469 | 2.154 | 0.343 | $\frac{3}{8}$-24UNF | 4.016 | 0.937 | 0.354 | 14 900 | 11 100 | 6.15 |
| $2\frac{15}{16}$ | UEL215-215D1W3 | 2.9375 | | | | | | | | | | | | | | | 5.91 |
| 3 | UEL215-300D1W3 | 3.0000 | | | | | | | | | | | | | | | 5.60 |

**Note** (1) These numbers indicate relubricatable type. If maintenance free type is needed, please order without suffix "D1".

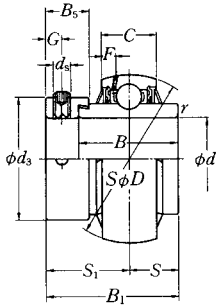
## Ball bearings
## Eccentric locking collar type




| Shaft dia. mm / inch | Bearing (1) number | Nominal dimensions mm / inch | | | | | | | | | | | Nominal dimensions mm / inch | | Basic load ratings N / lbf | | Mass kg / lb |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | $d$ | $D$ | $B_1$ | $B$ | $C$ | $r$ min. | $S$ | $S_1$ | $G$ | $d_s$ | $d_3$ | $B_5$ | $F$ | dynamic $C_r$ | static $C_{or}$ | |
| 25 | UEL305D1W3 | 25 | 62 | 46.8 | 34.9 | 20 | 1.5 | 16.7 | 30.1 | 6 | M8×1 | 42.8 | 15.9 | 5.0 | 21 200 | 10 900 | 0.43 |
| 13/16 | UEL305-013D1W3 | 0.8125 | | | | | | | | | | | | | | | 1.09 |
| 7/8 | UEL305-014D1W3 | 0.8750 | 2.4409 | 1.843 | 1.3740 | 0.7874 | 0.059 | 0.657 | 1.185 | 0.236 | 5/16-24UNF | 1.685 | 0.626 | 0.197 | 4 750 | 2 460 | 1.05 |
| 15/16 | UEL305-015D1W3 | 0.9375 | | | | | | | | | | | | | | | 1.01 |
| 1 | UEL305-100D1W3 | 1.0000 | | | | | | | | | | | | | | | 0.96 |
| 30 | UEL306D1W3 | 30 | 72 | 50 | 36.5 | 23 | 1.5 | 17.5 | 32.5 | 6.7 | M8×1 | 50 | 17.5 | 5.9 | 26 700 | 15 000 | 0.69 |
| 1 1/16 | UEL306-101D1W3 | 1.0625 | | | | | | | | | | | | | | | 1.57 |
| 1 1/8 | UEL306-102D1W3 | 1.1250 | 2.8346 | 1.969 | 1.4370 | 0.9055 | 0.059 | 0.689 | 1.280 | 0.264 | 5/16-24UNF | 1.969 | 0.689 | 0.232 | 6 000 | 3 400 | 1.51 |
| 1 3/16 | UEL306-103D1W3 | 1.1875 | | | | | | | | | | | | | | | 1.45 |
| 35 | UEL307D1W3 | 35 | 80 | 51.6 | 38.1 | 25 | 2 | 18.3 | 33.3 | 6.7 | M8×1 | 55 | 17.5 | 6.8 | 33 500 | 19 100 | 0.78 |
| 1 1/4 | UEL307-104D1W3 | 1.2500 | | | | | | | | | | | | | | | 1.92 |
| 1 5/16 | UEL307-105D1W3 | 1.3125 | 3.1496 | 2.031 | 1.5000 | 0.9843 | 0.079 | 0.720 | 1.311 | 0.264 | 5/16-24UNF | 2.165 | 0.689 | 0.268 | 7 500 | 4 300 | 1.84 |
| 1 3/8 | UEL307-106D1W3 | 1.3750 | | | | | | | | | | | | | | | 1.77 |
| 1 7/16 | UEL307-107D1W3 | 1.4375 | | | | | | | | | | | | | | | 1.69 |
| 40 | UEL308D1W3 | 40 | 90 | 57.1 | 41.3 | 27 | 2 | 19.8 | 37.3 | 8 | M10×1.25 | 63.5 | 20.6 | 7.4 | 40 500 | 24 000 | 1.08 |
| 1 1/2 | UEL308-108D1W3 | 1.5000 | 3.5433 | 2.248 | 1.6260 | 1.0630 | 0.079 | 0.780 | 1.469 | 0.315 | 3/8-24UNF | 2.500 | 0.811 | 0.291 | 9 150 | 5 400 | 2.58 |
| 1 9/16 | UEL308-109D1W3 | 1.5625 | | | | | | | | | | | | | | | 2.49 |
| 45 | UEL309D1W3 | 45 | 100 | 58.7 | 42.9 | 29 | 2 | 19.8 | 38.9 | 8 | M10×1.25 | 70 | 20.6 | 7.4 | 53 000 | 32 000 | 1.40 |
| 1 5/8 | UEL309-110D1W3 | 1.6250 | | | | | | | | | | | | | | | 3.36 |
| 1 11/16 | UEL309-111D1W3 | 1.6875 | 3.9370 | 2.311 | 1.6890 | 1.1417 | 0.079 | 0.780 | 1.531 | 0.315 | 3/8-24UNF | 2.756 | 0.811 | 0.291 | 11 900 | 7 200 | 3.26 |
| 1 3/4 | UEL309-112D1W3 | 1.7500 | | | | | | | | | | | | | | | 3.15 |
| 50 | UEL310D1W3 | 50 | 110 | 66.6 | 49.2 | 32 | 2.5 | 24.6 | 42 | 8.7 | M10×1.25 | 76.2 | 22.2 | 8.1 | 62 000 | 38 500 | 1.84 |
| 1 13/16 | UEL310-113D1W3 | 1.8125 | | | | | | | | | | | | | | | 4.40 |
| 1 7/8 | UEL310-114D1W3 | 1.8750 | 4.3307 | 2.622 | 1.9370 | 1.2598 | 0.098 | 0.969 | 1.654 | 0.343 | 3/8-24UNF | 3.000 | 0.874 | 0.319 | 13 900 | 8 600 | 4.29 |
| 1 15/16 | UEL310-115D1W3 | 1.9375 | | | | | | | | | | | | | | | 4.15 |

**Note** (1) These numbers indicate relubricatable type. If maintenance free type is needed, please order without suffix "D1".

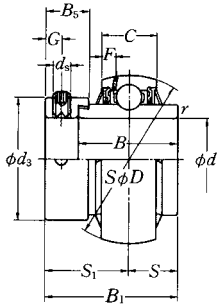
## Ball bearings
## Eccentric locking collar type




| Shaft dia. mm / inch | Bearing (1) number | Nominal dimensions mm / inch $d$ | $D$ | $B_1$ | $B$ | $C$ | $r$ min. | $S$ | $S_1$ | $G$ | $d_s$ | $d_3$ | Nominal dimensions mm / inch $B_5$ | $F$ | Basic load ratings N / lbf dynamic $C_r$ | static $C_{or}$ | Mass kg / lb |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 55 | UEL311D1W3 | 55 | 120 | 73 | 55.6 | 34 | 2.5 | 27.8 | 45.2 | 8.7 | M10×1.25 | 83 | 22.2 | 8.5 | 71 500 | 45 000 | 2.36 |
| 2 | UEL311-200D1W3 | 2.0000 | | | | | | | | | | | | | | | 5.58 |
| 2 1/16 | UEL311-201D1W3 | 2.0625 | | | | | | | | | | | | | | | 5.39 |
| 2 1/8 | UEL311-202D1W3 | 2.1250 | 4.7244 | 2.874 | 2.1890 | 1.3386 | 0.098 | 1.094 | 1.780 | 0.343 | 3/8-24UNF | 3.268 | 0.874 | 0.335 | 16 100 | 10 100 | 5.25 |
| 2 3/16 | UEL311-203D1W3 | 2.1875 | | | | | | | | | | | | | | | 5.08 |
| 60 | UEL312D1W3 | 60 | 130 | 79.4 | 61.9 | 36 | 2.5 | 30.95 | 48.45 | 8.7 | M10×1.25 | 89 | 23.9 | 9.0 | 82 000 | 52 000 | 2.94 |
| 2 1/4 | UEL312-204D1W3 | 2.2500 | | | | | | | | | | | | | | | 6.80 |
| 2 5/16 | UEL312-205D1W3 | 2.3125 | | | | | | | | | | | | | | | 6.65 |
| 2 3/8 | UEL312-206D1W3 | 2.3750 | 5.1181 | 3.126 | 2.4370 | 1.1473 | 0.098 | 1.219 | 1.907 | 0.343 | 3/8-24UNF | 3.504 | 0.941 | 0.354 | 18 400 | 11 700 | 6.48 |
| 2 7/16 | UEL312-207D1W3 | 2.4375 | | | | | | | | | | | | | | | 6.19 |
| 65 | UEL313D1W3 | 65 | 140 | 85.7 | 65.1 | 39 | 2.5 | 32.55 | 53.15 | 10.3 | M12×1.5 | 97 | 27 | 10.1 | 92 500 | 60 000 | 3.67 |
| 2 1/2 | UEL313-208D1W3 | 2.5000 | | | | | | | | | | | | | | | 8.49 |
| 2 9/16 | UEL313-209D1W3 | 2.5625 | 5.5118 | 3.374 | 2.5630 | 1.5354 | 0.098 | 1.281 | 2.093 | 0.406 | 1/2-20UNF | 3.819 | 1.063 | 0.398 | 20 800 | 13 400 | 8.27 |
| 70 | UEL314D1W3 | 70 | 150 | 92.1 | 68.3 | 41 | 2.5 | 34.15 | 57.95 | 10.3 | M12×1.5 | 102 | 30.2 | 10.5 | 104 000 | 68 000 | 4.40 |
| 2 5/8 | UEL314-210D1W3 | 2.6250 | | | | | | | | | | | | | | | 10.4 |
| 2 11/16 | UEL314-211D1W3 | 2.6875 | 5.9055 | 3.626 | 2.6890 | 1.6142 | 0.098 | 1.344 | 2.281 | 0.406 | 1/2-20UNF | 4.016 | 1.189 | 0.413 | 23 400 | 15 300 | 10.2 |
| 2 3/4 | UEL314-212D1W3 | 2.7500 | | | | | | | | | | | | | | | 9.96 |
| 75 | UEL315D1W3 | 75 | 160 | 100 | 74.6 | 43 | 2.5 | 37.3 | 62.7 | 12.7 | M16×1.5 | 113 | 31.8 | 11.0 | 113 000 | 77 000 | 5.34 |
| 2 13/16 | UEL315-213D1W3 | 2.8125 | | | | | | | | | | | | | | | 13.2 |
| 2 7/8 | UEL315-214D1W3 | 2.8750 | | | | | | | | | | | | | | | 12.9 |
| 2 15/16 | UEL315-215D1W3 | 2.9375 | 6.2992 | 3.937 | 2.9370 | 1.6929 | 0.098 | 1.469 | 2.469 | 0.500 | 5/8-18UNF | 4.449 | 1.252 | 0.433 | 25 500 | 17 400 | 12.7 |
| 3 | UEL315-300D1W3 | 3.0000 | | | | | | | | | | | | | | | 12.5 |
| 80 | UEL316D1W3 | 80 | 170 | 106.4 | 81 | 45 | 2.5 | 40.5 | 65.9 | 12.7 | M16×1.5 | 119 | 31.8 | 11.4 | 123 000 | 86 500 | 6.70 |
| 3 1/16 | UEL316-301D1W3 | 3.0625 | | | | | | | | | | | | | | | 14.9 |
| 3 1/8 | UEL316-302D1W3 | 3.1250 | 6.6929 | 4.189 | 3.1890 | 1.7717 | 0.098 | 1.594 | 2.594 | 0.500 | 5/8-18UNF | 4.685 | 1.252 | 0.449 | 27 600 | 19 500 | 14.8 |
| 3 3/16 | UEL316-303D1W3 | 3.1875 | | | | | | | | | | | | | | | 14.6 |

**Note** (1) These numbers indicate relubricatable type. If maintenance free type is needed, please order without suffix "D1".

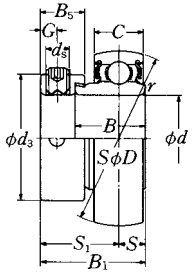
## Ball bearings
## Eccentric locking collar type




| Shaft dia. | Bearing (1) number | Nominal dimensions | | | | | | | | | | | Nominal dimensions | | Basic load ratings | | Mass |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | mm / inch | | | | | | | | | | | mm / inch | | N / lbf | | kg / lb |
| mm / inch | | $d$ | $D$ | $B_1$ | $B$ | $C$ | $r$ min. | $S$ | $S_1$ | $G$ | $d_s$ | $d_3$ | $B_5$ | $F$ | dynamic $C_r$ | static $C_{or}$ | |
| 85 | UEL317D1W3 | 85 | 180 | 109.5 | 84.1 | 47 | 3 | 42.05 | 67.45 | 12.7 | M16×1.5 | 127 | 31.8 | 12.0 | 133 000 | 97 000 | 8.00 |
| 3 1/4 | UEL317-304D1W3 | 3.2500 | | | | | | | | | | | | | | | 18.0 |
| 3 5/16 | UEL317-305D1W3 | 3.3125 | 7.0866 | 4.311 | 3.3110 | 1.8504 | 0.118 | 1.656 | 2.656 | 0.500 | 5/8-18UNF | 5.000 | 1.252 | 0.472 | 29 800 | 21 800 | 17.7 |
| 3 7/16 | UEL317-307D1W3 | 3.4375 | | | | | | | | | | | | | | | 17.0 |
| 90 | UEL318D1W3 | 90 | 190 | 115.9 | 87.3 | 49 | 3 | 43.65 | 72.25 | 14.3 | M20×1.5 | 133 | 36.5 | 12.3 | 143 000 | 107 000 | 9.10 |
| 3 7/16 | UEL318-307D1W3 | 3.4375 | 7.4803 | 4.563 | 3.4370 | 1.9291 | 0.118 | 1.719 | 2.844 | 0.563 | 3/4-16UNF | 5.236 | 1.437 | 0.484 | 32 000 | 24 100 | 20.7 |
| 3 1/2 | UEL318-308D1W3 | 3.5000 | | | | | | | | | | | | | | | 20.2 |
| 95 | UEL319D1W3 | 95 | 200 | 122.3 | 93.7 | 51 | 3 | 38.9 | 83.4 | 14.3 | M20×1.5 | 140 | 36.5 | 12.8 | 153 000 | 119 000 | 10.4 |
| 3 5/8 | UEL319-310D1W3 | 3.6250 | | | | | | | | | | | | | | | 23.4 |
| 3 11/16 | UEL319-311D1W3 | 3.6875 | 7.8740 | 4.815 | 3.6890 | 2.0079 | 0.118 | 1.531 | 3.283 | 0.563 | 3/4-16UNF | 5.512 | 1.437 | 0.504 | 34 500 | 26 600 | 23.0 |
| 3 3/4 | UEL319-312D1W3 | 3.7500 | | | | | | | | | | | | | | | 22.6 |
| 100 | UEL320D1W3 | 100 | 215 | 128.6 | 100 | 55 | 3 | 50 | 78.6 | 14.3 | M20×1.5 | 146 | 36.5 | 13.5 | 173 000 | 141 000 | 13.0 |
| 3 13/16 | UEL320-313D1W3 | 3.8125 | | | | | | | | | | | | | | | 28.5 |
| 3 7/8 | UEL320-314D1W3 | 3.8750 | 8.4646 | 5.063 | 3.9370 | 2.1654 | 0.118 | 1.969 | 3.094 | 0.563 | 3/4-16UNF | 5.748 | 1.437 | 0.531 | 39 000 | 31 500 | 28.0 |
| 3 15/16 | UEL320-315D1W3 | 3.9375 | | | | | | | | | | | | | | | 27.6 |
| 4 | UEL320-400D1W3 | 4.0000 | | | | | | | | | | | | | | | 27.0 |
| 105 | UEL321D1W3 | 105 | 225 | 139.7 | 104.8 | 57 | 3 | 48.4 | 91.3 | 17.5 | M20×1.5 | 157 | 42.8 | 13.9 | 184 000 | 153 000 | 14.6 |
| 110 | UEL322D1W3 | 110 | 240 | 141.3 | 106.4 | 59 | 3 | 49.2 | 92.1 | 17.5 | M20×1.5 | 168 | 42.8 | 13.9 | 205 000 | 179 000 | 17.2 |

**Note** (1) These numbers indicate relubricatable type. If maintenance free type is needed, please order without suffix "D1".

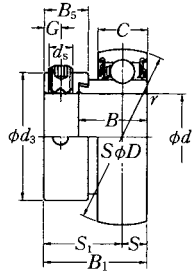
## Ball bearings
## Eccentric locking collar type




| Shaft dia. mm / inch | Bearing (1) number | Nominal dimensions mm / inch | | | | | | | | | | | Nominal dimensions mm / inch | Basic load ratings N / lbf | | Mass kg / lb |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | $d$ | $D$ | $B_1$ | $B$ | $C$ | $r$ min. | $S$ | $S_1$ | $G$ | $d_s$ | $d_3$ | $B_5$ | dynamic $C_r$ | static $C_{or}$ | |
| 12 | AEL201W3 | 12 | 40 | 28.6 | 19 | 12 | 0.6 | 6.5 | 22.1 | 4.8 | M6×0.75 | 29 | 13.6 | 9 600 | 4 600 | 0.12 |
| 1/2 | AEL201-008W3 | 0.5000 | 1.5748 | 1.126 | 0.7480 | 0.4724 | 0.024 | 0.256 | 0.870 | 0.189 | 1/4-28UNF | 1.142 | 0.535 | 2 160 | 1 030 | 0.26 |
| 15 | AEL202W3 | 15 | 40 | 28.6 | 19 | 12 | 0.6 | 6.5 | 22.1 | 4.8 | M6×0.75 | 29 | 13.6 | 9 600 | 4 600 | 0.11 |
| 9/16 | AEL202-009W3 | 0.5625 | 1.5748 | 1.126 | 0.7480 | 0.4724 | 0.024 | 0.256 | 0.870 | 0.189 | 1/4-28UNF | 1.142 | 0.535 | 2 160 | 1 030 | 0.26 |
| 5/8 | AEL202-010W3 | 0.6250 | | | | | | | | | | | | | | 0.24 |
| 17 | AEL203W3 | 17 | 40 | 28.6 | 19 | 12 | 0.6 | 6.5 | 22.1 | 4.8 | M6×0.75 | 29 | 13.6 | 9 600 | 4 600 | 0.10 |
| 11/16 | AEL203-011W3 | 0.6875 | 1.5748 | 1.126 | 0.7480 | 0.4724 | 0.024 | 0.256 | 0.870 | 0.189 | 1/4-28UNF | 1.142 | 0.535 | 2 160 | 1 030 | 0.23 |
| 20 | AEL204W3 | 20 | 47 | 31 | 21.5 | 14 | 1 | 7.5 | 23.5 | 4.8 | M6×0.75 | 33 | 13.5 | 12 800 | 6 650 | 0.17 |
| 3/4 | AEL204-012W3 | 0.7500 | 1.8504 | 1.220 | 0.8465 | 0.5512 | 0.039 | 0.295 | 0.925 | 0.189 | 1/4-28UNF | 1.299 | 0.531 | 2 890 | 1 500 | 0.35 |
| 25 | AEL205W3 | 25 | 52 | 31 | 21.5 | 15 | 1 | 7.5 | 23.5 | 4.8 | M6×0.75 | 38 | 13.5 | 14 000 | 7 850 | 0.22 |
| 13/16 | AEL205-013W3 | 0.8125 | | | | | | | | | | | | | | 0.51 |
| 7/8 | AEL205-014W3 | 0.8750 | 2.0472 | 1.220 | 0.8465 | 0.5906 | 0.039 | 0.295 | 0.925 | 0.189 | 1/4-28UNF | 1.496 | 0.531 | 3 150 | 1 770 | 0.48 |
| 15/16 | AEL205-015W3 | 0.9375 | | | | | | | | | | | | | | 0.45 |
| 1 | AEL205-100W3 | 1.0000 | | | | | | | | | | | | | | 0.42 |
| 30 | AEL206W3 | 30 | 62 | 35.7 | 23.8 | 16 | 1 | 9 | 26.7 | 6 | M8×1 | 44.5 | 15.9 | 19 500 | 11 300 | 0.31 |
| 1 1/16 | AEL206-101W3 | 1.0625 | | | | | | | | | | | | | | 0.74 |
| 1 1/8 | AEL206-102W3 | 1.1250 | 2.4409 | 1.406 | 0.9370 | 0.6299 | 0.039 | 0.354 | 1.051 | 0.236 | 5/16-24UNF | 1.752 | 0.626 | 4 400 | 2 540 | 0.73 |
| 1 3/16 | AEL206-103W3 | 1.1875 | | | | | | | | | | | | | | 0.66 |
| 1 1/4 | AEL206-104W3 | 1.2500 | | | | | | | | | | | | | | 0.61 |
| 35 | AEL207W3 | 35 | 72 | 38.9 | 25.4 | 17 | 1.5 | 9.5 | 29.4 | 6.8 | M10×1.25 | 55.5 | 17.5 | 25 700 | 15 300 | 0.50 |
| 1 1/4 | AEL207-104W3 | 1.2500 | | | | | | | | | | | | | | 1.15 |
| 1 5/16 | AEL207-105W3 | 1.3125 | 2.8346 | 1.531 | 1.0000 | 0.6693 | 0.059 | 0.374 | 1.157 | 0.268 | 3/8-24UNF | 2.185 | 0.689 | 5 750 | 3 450 | 1.10 |
| 1 3/8 | AEL207-106W3 | 1.3750 | | | | | | | | | | | | | | 1.04 |
| 1 7/16 | AEL207-107W3 | 1.4375 | | | | | | | | | | | | | | 0.98 |
| 40 | AEL208W3 | 40 | 80 | 43.7 | 30.2 | 18 | 1.5 | 11 | 32.7 | 6.8 | M10×1.25 | 60 | 18.3 | 29 100 | 17 800 | 0.66 |
| 1 1/2 | AEL208-108W3 | 1.5000 | 3.1496 | 1.720 | 1.1890 | 0.7087 | 0.059 | 0.433 | 1.287 | 0.268 | 3/8-24UNF | 2.362 | 0.720 | 6 550 | 4 000 | 1.41 |
| 1 9/16 | AEL208-109W3 | 1.5625 | | | | | | | | | | | | | | 1.34 |

**Note** (1) If relubricatable type is needed, please order with suffix "D1".

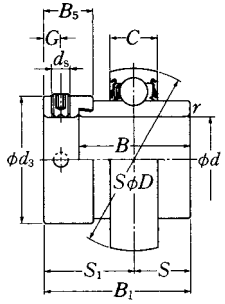
## Ball bearings
## Eccentric locking collar type




| Shaft dia. mm / inch | Bearing (1) number | Nominal dimensions mm / inch $d$ | $D$ | $B_1$ | $B$ | $C$ | $r$ min. | $S$ | $S_1$ | $G$ | $d_s$ | $d_3$ | Nominal dimensions mm / inch $B_5$ | Basic load ratings N / lbf dynamic $C_r$ | static $C_{or}$ | Mass kg / lb |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 12 | JEL201W3 | 12 | 40 | 28.6 | 19 | 13 | 0.6 | 6.5 | 22.1 | 4.8 | M6×0.75 | 29 | 13.6 | 9 600 | 4 600 | 0.12 |
| 1/2 | JEL201-008W3 | 0.5000 | 1.5748 | 1.126 | 0.7480 | 0.5118 | 0.024 | 0.256 | 0.870 | 0.189 | 1/4-28UNF | 1.142 | 0.535 | 2 160 | 1 030 | 0.25 |
| 15 | JEL202W3 | 15 | 40 | 28.6 | 19 | 13 | 0.6 | 6.5 | 22.1 | 4.8 | M6×0.75 | 29 | 13.6 | 9 600 | 4 600 | 0.10 |
| 9/16 | JEL202-009W3 | 0.5625 | 1.5748 | 1.126 | 0.7480 | 0.5118 | 0.024 | 0.256 | 0.870 | 0.189 | 1/4-28UNF | 1.142 | 0.535 | 2 160 | 1 030 | 0.24 |
| 5/8 | JEL202-010W3 | 0.6250 | | | | | | | | | | | | | | 0.22 |
| 17 | JEL203W3 | 17 | 40 | 28.6 | 19 | 13 | 0.6 | 6.5 | 22.1 | 4.8 | M6×0.75 | 29 | 13.6 | 9 600 | 4 600 | 0.09 |
| 11/16 | JEL203-011W3 | 0.6875 | 1.5748 | 1.126 | 0.7480 | 0.5118 | 0.024 | 0.256 | 0.870 | 0.189 | 1/4-28UNF | 1.142 | 0.535 | 2 160 | 1 030 | 0.20 |
| 20 | JEL204W3 | 20 | 47 | 31 | 21.5 | 15 | 1 | 7.5 | 23.5 | 4.8 | M6×0.75 | 33 | 13.5 | 12 800 | 6 650 | 0.16 |
| 3/4 | JEL204-012W3 | 0.7500 | 1.8504 | 1.220 | 0.8465 | 0.5906 | 0.039 | 0.295 | 0.925 | 0.189 | 1/4-28UNF | 1.299 | 0.531 | 2 890 | 1 500 | 0.37 |
| 25 | JEL205W3 | 25 | 52 | 31 | 21.5 | 15 | 1 | 7.5 | 23.5 | 4.8 | M6×0.75 | 38 | 13.5 | 14 000 | 7 850 | 0.19 |
| 13/16 | JEL205-013W3 | 0.8125 | | | | | | | | | | | | | | 0.50 |
| 7/8 | JEL205-014W3 | 0.8750 | 2.0472 | 1.220 | 0.8465 | 0.5906 | 0.039 | 0.295 | 0.925 | 0.189 | 1/4-28UNF | 1.496 | 0.531 | 3 150 | 1 770 | 0.47 |
| 15/16 | JEL205-015W3 | 0.9375 | | | | | | | | | | | | | | 0.44 |
| 1 | JEL205-100W3 | 1.0000 | | | | | | | | | | | | | | 0.41 |
| 30 | JEL206W3 | 30 | 62 | 35.7 | 23.8 | 18 | 1 | 9 | 26.7 | 6 | M8×1 | 44.5 | 15.9 | 19 500 | 11 300 | 0.33 |
| 1 1/16 | JEL206-101W3 | 1.0625 | | | | | | | | | | | | | | 0.78 |
| 1 1/8 | JEL206-102W3 | 1.1250 | 2.4409 | 1.406 | 0.9370 | 0.7087 | 0.039 | 0.354 | 1.051 | 0.236 | 5/16-24UNF | 1.752 | 0.626 | 4 400 | 2 540 | 0.73 |
| 1 3/16 | JEL206-103W3 | 1.1875 | | | | | | | | | | | | | | 0.69 |
| 1 1/4 | JEL206-104W3 | 1.2500 | | | | | | | | | | | | | | 0.64 |
| 35 | JEL207W3 | 35 | 72 | 38.9 | 25.4 | 19 | 1.5 | 9.5 | 29.4 | 6.8 | M10×1.25 | 55.5 | 17.5 | 25 700 | 15 300 | 0.50 |
| 1 1/4 | JEL207-104W3 | 1.2500 | | | | | | | | | | | | | | 1.22 |
| 1 5/16 | JEL207-105W3 | 1.3125 | 2.8346 | 1.531 | 1.0000 | 0.7480 | 0.059 | 0.374 | 1.157 | 0.268 | 3/8-24UNF | 2.185 | 0.689 | 5 750 | 3 450 | 1.16 |
| 1 3/8 | JEL207-106W3 | 1.3750 | | | | | | | | | | | | | | 1.11 |
| 1 7/16 | JEL207-107W3 | 1.4375 | | | | | | | | | | | | | | 1.05 |
| 40 | JEL208W3 | 40 | 80 | 43.7 | 30.2 | 22 | 1.5 | 11 | 32.7 | 6.8 | M10×1.25 | 60 | 18.3 | 29 100 | 17 800 | 0.65 |
| 1 1/2 | JEL208-108W3 | 1.5000 | 3.1496 | 1.720 | 1.1890 | 0.8661 | 0.059 | 0.433 | 1.287 | 0.268 | 3/8-24UNF | 2.362 | 0.720 | 6 550 | 4 000 | 1.53 |
| 1 9/16 | JEL208-109W3 | 1.5625 | | | | | | | | | | | | | | 1.46 |

**Note** (1) If relubricatable type is needed, please order with suffix "D1".

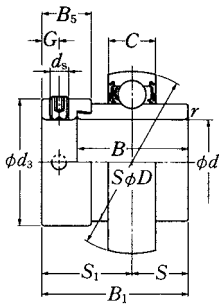
## Ball bearings
## Eccentric locking collar type




| Shaft dia. mm inch | Bearing (1) number | Nominal dimensions mm inch | | | | | | | | | | | Nominal dimensions mm inch | Basic load ratings N lbf | | Mass kg lb |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | $d$ | $D$ | $B_1$ | $B$ | $C$ | $r$ min. | $S$ | $S_1$ | $G$ | $d_s$ | $d_3$ | $B_5$ | dynamic $C_r$ | static $C_{or}$ | |
| 20 | REL204W3 | 20 | 47 | 43.7 | 34.2 | 15 | 1 | 17.1 | 26.6 | 4.8 | M6×0.75 | 33.0 | 13.5 | 12 800 | 6 650 | 0.22 |
| 3/4 | REL204-012W3 | 0.7500 | 1.8504 | 1.720 | 1.3465 | 0.5906 | 0.039 | 0.673 | 1.047 | 0.189 | 1/4-28UNF | 1.299 | 0.531 | 2 890 | 1 500 | 0.43 |
| 25 | REL205W3 | 25 | 52 | 44.4 | 34.9 | 15 | 1 | 17.45 | 26.9 | 4.8 | M6×0.75 | 38.0 | 13.5 | 14 000 | 7 850 | 0.26 |
| 13/16 | REL205-013W3 | 0.8125 | | | | | | | | | | | | | | 0.59 |
| 7/8 | REL205-014W3 | 0.8750 | 2.0472 | 1.748 | 1.3740 | 0.5906 | 0.039 | 0.687 | 1.059 | 0.189 | 1/4-28UNF | 1.496 | 0.531 | 3 150 | 1 770 | 0.56 |
| 15/16 | REL205-015W3 | 0.9375 | | | | | | | | | | | | | | 0.53 |
| 1 | REL205-100W3 | 1.0000 | | | | | | | | | | | | | | 0.49 |
| 30 | REL206W3 | 30 | 62 | 48.4 | 36.5 | 18 | 1 | 18.25 | 30.1 | 6 | M8×1 | 44.5 | 15.9 | 19 500 | 11 300 | 0.39 |
| 1 1/16 | REL206-101W3 | 1.0625 | | | | | | | | | | | | | | 0.92 |
| 1 1/8 | REL206-102W3 | 1.1250 | 2.4409 | 1.906 | 1.4370 | 0.7087 | 0.039 | 0.719 | 1.185 | 0.236 | 5/16-24UNF | 1.752 | 0.626 | 4 400 | 2 540 | 0.87 |
| 1 3/16 | REL206-103W3 | 1.1875 | | | | | | | | | | | | | | 0.82 |
| 1 1/4 | REL206-104W3 | 1.2500 | | | | | | | | | | | | | | 0.78 |
| 35 | REL207W3 | 35 | 72 | 51.1 | 37.6 | 19 | 1.5 | 18.8 | 32.3 | 6.8 | M10×1.25 | 55.5 | 17.5 | 25 700 | 15 300 | 0.59 |
| 1 1/4 | REL207-104W3 | 1.2500 | | | | | | | | | | | | | | 1.41 |
| 1 5/16 | REL207-105W3 | 1.3125 | 2.8346 | 2.012 | 1.4803 | 0.7480 | 0.059 | 0.740 | 1.272 | 0.268 | 3/8-24UNF | 2.185 | 0.689 | 5 750 | 3 450 | 1.36 |
| 1 3/8 | REL207-106W3 | 1.3750 | | | | | | | | | | | | | | 1.31 |
| 1 7/16 | REL207-107W3 | 1.4375 | | | | | | | | | | | | | | 1.24 |
| 40 | REL208W3 | 40 | 80 | 56.3 | 42.8 | 22 | 1.5 | 21.4 | 34.9 | 6.8 | M10×1.25 | 60.0 | 18.3 | 29 100 | 17 800 | 0.76 |
| 1 1/2 | REL208-108W3 | 1.5000 | 3.1496 | 2.217 | 1.6850 | 0.8661 | 0.059 | 0.843 | 1.374 | 0.268 | 3/8-24UNF | 2.362 | 0.720 | 6 550 | 4 000 | 1.88 |
| 1 9/16 | REL208-109W3 | 1.5625 | | | | | | | | | | | | | | 1.80 |
| 45 | REL209W3 | 45 | 85 | 56.3 | 42.8 | 22 | 1.5 | 21.4 | 34.9 | 6.8 | M10×1.25 | 63.5 | 18.3 | 32 500 | 20 400 | 0.78 |
| 1 5/8 | REL209-110W3 | 1.6250 | | | | | | | | | | | | | | 2.01 |
| 1 11/16 | REL209-111W3 | 1.6875 | 3.3465 | 2.217 | 1.6850 | 0.8661 | 0.059 | 0.843 | 1.374 | 0.268 | 3/8-24UNF | 2.500 | 0.720 | 7 350 | 4 600 | 1.93 |
| 1 3/4 | REL209-112W3 | 1.7500 | | | | | | | | | | | | | | 1.84 |

**Note** (1) If relubricatable type is needed, please order with suffix "D1".

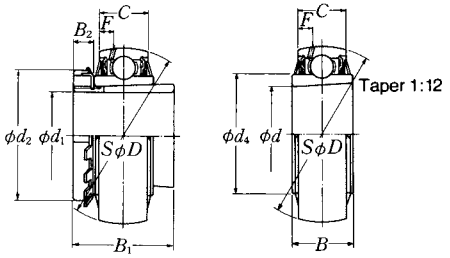
## Ball bearings
## Eccentric locking collar type




| Shaft dia. mm / inch | Bearing (1) number | Nominal dimensions mm / inch | | | | | | | | | | | Nominal dimensions mm / inch | Basic load ratings N / lbf | | Mass kg / lb |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | $d$ | $D$ | $B_1$ | $B$ | $C$ | $r$ min. | $S$ | $S_1$ | $G$ | $d_s$ | $d_3$ | $B_5$ | dynamic $C_r$ | static $C_{or}$ | |
| 50 | REL210W3 | 50 | 90 | 62.7 | 49.2 | 22 | 1.5 | 24.6 | 38.1 | 6.8 | M10×1.25 | 69.5 | 18.3 | 35 000 | 23 200 | 0.96 |
| $1\frac{13}{16}$ | REL210-113W3 | 1.8125 | | | | | | | | | | | | | | 2.42 |
| $1\frac{7}{8}$ | REL210-114W3 | 1.8750 | 3.5433 | 2.469 | 1.9370 | 0.8661 | 0.059 | 0.969 | 1.500 | 0.268 | $\frac{3}{8}$-24UNF | 2.736 | 0.720 | 7 900 | 5 200 | 2.32 |
| $1\frac{15}{16}$ | REL210-115W3 | 1.9375 | | | | | | | | | | | | | | 2.21 |
| 2 | REL210-200W3 | 2.0000 | | | | | | | | | | | | | | 2.05 |
| 55 | REL211W3 | 55 | 100 | 71.4 | 55.5 | 24 | 2 | 27.75 | 43.6 | 8 | M10×1.25 | 76 | 20.7 | 43 500 | 29 200 | 1.28 |
| 2 | REL211-200W3 | 2.0000 | | | | | | | | | | | | | | 3.21 |
| $2\frac{1}{16}$ | REL211-201W3 | 2.0625 | 3.9370 | 2.811 | 2.1850 | 0.9449 | 0.079 | 1.093 | 1.717 | 0.315 | $\frac{3}{8}$-24UNF | 2.992 | 0.815 | 9 750 | 6 550 | 3.05 |
| $2\frac{1}{8}$ | REL211-202W3 | 2.1250 | | | | | | | | | | | | | | 2.95 |
| $2\frac{3}{16}$ | REL211-203W3 | 2.1875 | | | | | | | | | | | | | | 2.83 |
| 60 | REL212W3 | 60 | 110 | 77.8 | 61.9 | 27 | 2 | 30.95 | 46.8 | 8 | M10×1.25 | 84 | 22.3 | 52 500 | 36 000 | 1.83 |
| $2\frac{1}{4}$ | REL212-204W3 | 2.2500 | | | | | | | | | | | | | | 4.29 |
| $2\frac{5}{16}$ | REL212-205W3 | 2.3125 | 4.3307 | 3.063 | 2.4370 | 1.0630 | 0.079 | 1.219 | 1.843 | 0.315 | $\frac{3}{8}$-24UNF | 3.307 | 0.878 | 11 800 | 8 150 | 4.13 |
| $2\frac{3}{8}$ | REL212-206W3 | 2.3750 | | | | | | | | | | | | | | 3.96 |
| $2\frac{7}{16}$ | REL212-207W3 | 2.4375 | | | | | | | | | | | | | | 3.79 |

**Note** (1) If relubricatable type is needed, please order with suffix "D1".

## Ball bearings
## Adapter type

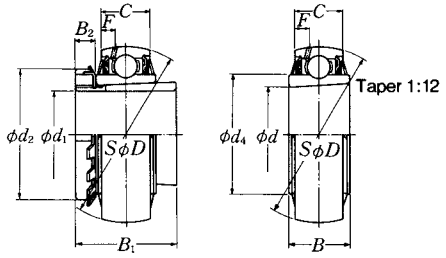



**UK2···D1;H, HA, HE, HS** **UK2···D1**

| Shaft dia. mm inch | Bearing (1)(2)(3) number | Nominal dimensions mm inch $d$ | $D$ | $B$ | $C$ | $d_4$ | $d_1$ | $B_1$ | $B_2$ | $d_2$ | $F$ | Basic load ratings N lbf dynamic $C_r$ | static $C_{or}$ | Mass kg lb |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 20 | UK205D1;H2305X | 25 | 52 | 23 | 17 | 33.9 | 20 | 35 | 8 | 38 | 4.5 | 14 000 | 7 850 | 0.23 |
| 3/4 | UK205D1;HE2305 | 0.9843 | 2.0472 | 0.9055 | 0.6693 | 1.335 | 3/4 | 1.378 | 0.315 | 1.496 | 0.177 | 3 150 | 1 770 | 0.57 |
| 25 | UK206D1;H2306X | 30 | 62 | 26 | 19 | 40.8 | 25 | 38 | 8 | 45 | 4.6 | 19 500 | 11 300 | 0.36 |
| 7/8 | UK206D1;HS2306 | 1.1811 | 2.4409 | 1.0236 | 0.7480 | 1.606 | 7/8 | 1.496 | 0.315 | 1.772 | 0.181 | 4 400 | 2 540 | 0.86 |
| 1 | UK206D1;HE2306X | | | | | | 1 | | | | | | | 0.78 |
| 30 | UK207D1;H2307X | 35 | 72 | 29 | 20 | 46.8 | 30 | 43 | 9 | 52 | 4.6 | 25 700 | 15 300 | 0.55 |
| 1 1/8 | UK207D1;HS2307 | 1.3780 | 2.8346 | 1.1417 | 0.7874 | 1.843 | 1 1/8 | 1.693 | 0.354 | 2.047 | 0.181 | 5 750 | 3 450 | 1.30 |
| 35 | UK208D1;H2308X | 40 | 80 | 31 | 21 | 53 | 35 | 46 | 10 | 58 | 4.5 | 29 100 | 17 800 | 0.74 |
| 1 1/4 | UK208D1;HE2308X | 1.5748 | 3.1496 | 1.2205 | 0.8268 | 2.087 | 1 1/4 | 1.811 | 0.394 | 2.283 | 0.177 | 6 550 | 4 000 | 1.77 |
| 1 3/8 | UK208D1;HS2308X | | | | | | 1 3/8 | | | | | | | 1.63 |
| 40 | UK209D1;H2309X | 45 | 85 | 31 | 22 | 57.5 | 40 | 50 | 11 | 65 | 4.9 | 32 500 | 20 400 | 0.80 |
| 1 7/16 | UK209D1;HA2309 | | | | | | 1 7/16 | | | | | | | 2.01 |
| 1 1/2 | UK209D1;HE2309X | 1.7717 | 3.3465 | 1.2205 | 0.8661 | 2.264 | 1 1/2 | 1.969 | 0.433 | 2.559 | 0.193 | 7 350 | 4 600 | 1.93 |
| 1 5/8 | UK209D1;HS2309X | | | | | | 1 5/8 | | | | | | | 1.76 |
| 45 | UK210D1;H2310X | 50 | 90 | 32 | 24 | 62.4 | 45 | 55 | 12 | 70 | 5.9 | 35 000 | 23 200 | 0.94 |
| 1 5/8 | UK210D1;HS2310 | | | | | | 1 5/8 | | | | | | | 2.38 |
| 1 11/16 | UK210D1;HA2310 | 1.9685 | 3.5433 | 1.2598 | 0.9449 | 2.457 | 1 11/16 | 2.165 | 0.472 | 2.756 | 0.232 | 7 900 | 5 200 | 2.28 |
| 1 3/4 | UK210D1;HE2310X | | | | | | 1 3/4 | | | | | | | 2.18 |
| 50 | UK211D1;H2311X | 55 | 100 | 35 | 25 | 69 | 50 | 59 | 12 | 75 | 6.0 | 43 500 | 29 200 | 1.22 |
| 1 7/8 | UK211D1;HS2311 | | | | | | 1 7/8 | | | | | | | 2.96 |
| 1 15/16 | UK211D1;HA2311 | 2.1654 | 3.9370 | 1.3780 | 0.9843 | 2.717 | 1 15/16 | 2.323 | 0.472 | 2.953 | 0.236 | 9 750 | 6 550 | 2.84 |
| 2 | UK211D1;HE2311XY | | | | | | 2 | | | | | | | 2.70 |
| 55 | UK212D1;H2312X | 60 | 110 | 38 | 27 | 77 | 55 | 62 | 13 | 80 | 6.2 | 52 500 | 36 000 | 1.54 |
| 2 1/8 | UK212D1;HS2312 | 2.3622 | 4.3307 | 1.4961 | 1.0630 | 3.031 | 2 1/8 | 2.441 | 0.512 | 3.150 | 0.244 | 11 800 | 8 150 | 3.60 |

**Notes** (1) These numbers indicate relubricatable type. If maintenance free type is needed, please order without suffix "D1".
(2) Adapter number with suffix "X" means a narrow slot type adapter sleeve.
In this case the lock washer with the straight inner prong should be used.
(3) For HE2311XY, screw thread pitch different from the standard is applied, because of the thin thread section of sleeve.
To distinguish it, a suffix "Y" is added.

## Ball bearings
## Adapter type

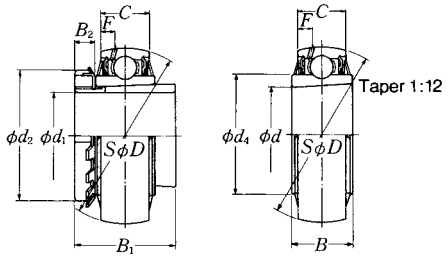



**UK2···D1;H, HA, HE, HS** **UK2···D1**

| Shaft dia. mm / inch | Bearing (1)(2) number | Nominal dimensions mm / inch | | | | | | | | | | Basic load ratings N / lbf | | Mass kg / lb |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | $d$ | $D$ | $B$ | $C$ | $d_4$ | $d_1$ | $B_1$ | $B_2$ | $d_2$ | $F$ | dynamic $C_r$ | static $C_{or}$ | |
| 60 | **UK213D1;H2313X** | 65 | 120 | 40 | 32 | 82.5 | 60 | 65 | 14 | 85 | 8.7 | 57 500 | 40 000 | 2.00 |
| $2\frac{3}{16}$ | **UK213D1;HA2313** | | | | | | $2\frac{3}{16}$ | | | | | | | 4.86 |
| $2\frac{1}{4}$ | **UK213D1;HE2313X** | 2.5591 | 4.7244 | 1.5748 | 1.2598 | 3.248 | $2\frac{1}{4}$ | 2.559 | 0.551 | 3.346 | 0.343 | 12 900 | 9 000 | 4.70 |
| $2\frac{3}{8}$ | **UK213D1;HS2313X** | | | | | | $2\frac{3}{8}$ | | | | | | | 4.38 |
| 65 | **UK215D1;H2315X** | 75 | 130 | 44 | 34 | 93 | 65 | 73 | 15 | 98 | 9.0 | 66 000 | 49 500 | 2.56 |
| $2\frac{7}{16}$ | **UK215D1;HA2315** | 2.9528 | 5.1181 | 1.7323 | 1.3386 | 3.661 | $2\frac{7}{16}$ | 2.874 | 0.591 | 3.858 | 0.354 | 14 900 | 11 100 | 6.04 |
| $2\frac{1}{2}$ | **UK215D1;HE2315X** | | | | | | $2\frac{1}{2}$ | | | | | | | 5.84 |
| 70 | **UK216D1;H2316X** | 80 | 140 | 45 | 35 | 98.1 | 70 | 78 | 17 | 105 | 9.5 | 72 500 | 53 000 | 3.23 |
| $2\frac{11}{16}$ | **UK216D1;HA2316** | 3.1496 | 5.5118 | 1.7717 | 1.3780 | 3.862 | $2\frac{11}{16}$ | 3.071 | 0.669 | 4.134 | 0.374 | 16 300 | 11 900 | 7.38 |
| $2\frac{3}{4}$ | **UK216D1;HE2316X** | | | | | | $2\frac{3}{4}$ | | | | | | | 7.14 |
| 75 | **UK217D1;H2317X** | 85 | 150 | 46 | 36 | 106.4 | 75 | 82 | 18 | 110 | 10.1 | 83 500 | 64 000 | 3.93 |
| $2\frac{15}{16}$ | **UK217D1;HA2317X** | 3.3465 | 5.9055 | 1.8110 | 1.4173 | 4.189 | $2\frac{15}{16}$ | 3.228 | 0.709 | 4.331 | 0.398 | 18 700 | 14 300 | 8.73 |
| 3 | **UK217D1;HE2317X** | | | | | | 3 | | | | | | | 8.46 |
| 80 | **UK218D1;H2318X** | 90 | 160 | 47 | 37 | 111.6 | 80 | 86 | 18 | 120 | 9.8 | 96 000 | 71 500 | 4.51 |
| $3\frac{3}{16}$ | **UK218D1;HA2318X** | 3.5433 | 6.2992 | 1.8504 | 1.4567 | 4.394 | $3\frac{3}{16}$ | 3.386 | 0.709 | 4.724 | 0.386 | 21 600 | 16 100 | 11.0 |

**Notes** (1) These numbers indicate relubricatable type. If maintenance free type is needed, please order without suffix "D1".
(2) Adapter number with suffix "X" means a narrow slot type adapter sleeve.
In this case the lock washer with the straight inner prong should be used.

## Ball bearings
## Adapter type

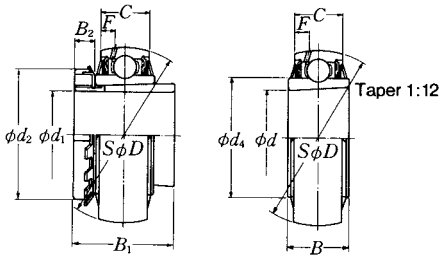



**UK3···D1;H, HA, HE, HS** **UK3···D1**

| Shaft dia. mm inch | Bearing (1)(2)(3) number | Nominal dimensions mm inch | | | | | | | | | | Basic load ratings N lbf | | Mass kg lb |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | $d$ | $D$ | $B$ | $C$ | $d_4$ | $d_1$ | $B_1$ | $B_2$ | $d_2$ | $F$ | dynamic $C_r$ | static $C_{or}$ | |
| 20 | UK305D1;H2305X | 25 | 62 | 26 | 20 | 36.8 | 20 | 35 | 8 | 38 | 5.0 | 21 200 | 10 900 | 0.36 |
| 3/4 | UK305D1;HE2305 | 0.9843 | 2.4409 | 1.0236 | 0.7874 | 1.449 | 3/4 | 1.378 | 0.315 | 1.496 | 0.197 | 4 750 | 2 460 | 0.81 |
| 25 | UK306D1;H2306X | 30 | 72 | 29 | 23 | 44.9 | 25 | 38 | 8 | 45 | 5.9 | 26 700 | 15 000 | 0.59 |
| 7/8 | UK306D1;HS2306 | 1.1811 | 2.8346 | 1.1417 | 0.9055 | 1.768 | 7/8 | 1.496 | 0.315 | 1.772 | 0.232 | 6 000 | 3 400 | 1.37 |
| 1 | UK306D1;HE2306X | | | | | | 1 | | | | | | | 1.29 |
| 30 | UK307D1;H2307X | 35 | 80 | 33 | 25 | 49.4 | 30 | 43 | 9 | 52 | 6.8 | 33 500 | 19 100 | 0.75 |
| 1 1/8 | UK307D1;HS2307 | 1.3780 | 3.1496 | 1.2992 | 0.9843 | 1.945 | 1 1/8 | 1.693 | 0.354 | 2.047 | 0.268 | 7 500 | 4 300 | 1.70 |
| 35 | UK308D1;H2308X | 40 | 90 | 34 | 27 | 56 | 35 | 46 | 10 | 58 | 7.4 | 40 500 | 24 000 | 1.00 |
| 1 1/4 | UK308D1;HE2308X | 1.5748 | 3.5433 | 1.3386 | 1.0630 | 2.205 | 1 1/4 | 1.811 | 0.394 | 2.283 | 0.291 | 9 150 | 5 400 | 2.38 |
| 1 3/8 | UK308D1;HS2308X | | | | | | 1 3/8 | | | | | | | 2.25 |
| 40 | UK309D1;H2309X | 45 | 100 | 37 | 29 | 63.5 | 40 | 50 | 11 | 65 | 7.4 | 53 000 | 32 000 | 1.28 |
| 1 7/16 | UK309D1;HA2309 | | | | | | 1 7/16 | | | | | | | 3.22 |
| 1 1/2 | UK309D1;HE2309X | 1.7717 | 3.9370 | 1.4567 | 1.1417 | 2.500 | 1 1/2 | 1.969 | 0.433 | 2.559 | 0.291 | 11 900 | 7 200 | 3.14 |
| 1 5/8 | UK309D1;HS2309X | | | | | | 1 5/8 | | | | | | | 2.97 |
| 45 | UK310D1;H2310X | 50 | 110 | 41 | 32 | 70.6 | 45 | 55 | 12 | 70 | 8.1 | 62 000 | 38 500 | 1.72 |
| 1 5/8 | UK310D1;HS2310 | | | | | | 1 5/8 | | | | | | | 3.95 |
| 1 11/16 | UK310D1;HA2310 | 1.9685 | 4.3307 | 1.6142 | 1.2598 | 2.780 | 1 11/16 | 2.165 | 0.472 | 2.756 | 0.319 | 13 900 | 8 600 | 3.85 |
| 1 3/4 | UK310D1;HE2310X | | | | | | 1 3/4 | | | | | | | 3.74 |
| 50 | UK311D1;H2311X | 55 | 120 | 44 | 34 | 76.6 | 50 | 59 | 12 | 75 | 8.5 | 71 500 | 45 000 | 2.06 |
| 1 7/8 | UK311D1;HS2311 | | | | | | 1 7/8 | | | | | | | 4.73 |
| 1 15/16 | UK311D1;HA2311 | 2.1654 | 4.7244 | 1.7323 | 1.3386 | 3.016 | 1 15/16 | 2.323 | 0.472 | 2.953 | 0.335 | 16 100 | 10 100 | 4.60 |
| 2 | UK311D1;HE2311XY | | | | | | 2 | | | | | | | 4.46 |
| 55 | UK312D1;H2312X | 60 | 130 | 47 | 36 | 82.7 | 55 | 62 | 13 | 80 | 9.0 | 82 000 | 52 000 | 2.58 |
| 2 1/8 | UK312D1;HS2312 | 2.3622 | 5.1181 | 1.8504 | 1.4173 | 3.256 | 2 1/8 | 2.441 | 0.512 | 3.150 | 0.354 | 18 400 | 11 700 | 5.67 |

**Notes** (1) These numbers indicate relubricatable type. If maintenance free type is needed, please order without suffix "D1".
(2) Adapter number with suffix "X" means a narrow slot type adapter sleeve.
In this case the lock washer with the straight inner prong should be used.
(3) For HE2311XY, screw thread pitch different from the standard is applied, because of the thin thread section of sleeve.
To distinguish it, a suffix "Y" is added.

## Ball bearings
## Adapter type

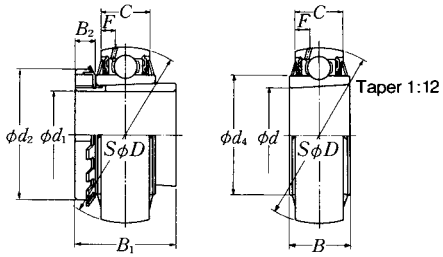



**UK3···D1;H, HA, HE, HS** **UK3···D1**

| Shaft dia. mm / inch | Bearing (1)(2) number | Nominal dimensions mm / inch | | | | | | | | | | Basic load ratings N / lbf | | Mass kg / lb |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | $d$ | $D$ | $B$ | $C$ | $d_4$ | $d_1$ | $B_1$ | $B_2$ | $d_2$ | $F$ | dynamic $C_r$ | static $C_{or}$ | |
| 60 | **UK313D1;H2313X** | 65 | 140 | 49 | 39 | 88.2 | 60 | 65 | 14 | 85 | 10.1 | 92 500 | 60 000 | 3.08 |
| $2\frac{3}{16}$ | **UK313D1;HA2313** | | | | | | $2\frac{3}{16}$ | | | | | | | 7.24 |
| $2\frac{1}{4}$ | **UK313D1;HE2313X** | 2.5591 | 5.5118 | 1.9291 | 1.5354 | 3.472 | $2\frac{1}{4}$ | 2.559 | 0.551 | 3.346 | 0.398 | 20 800 | 13 400 | 7.08 |
| $2\frac{3}{8}$ | **UK313D1;HS2313X** | | | | | | $2\frac{3}{8}$ | | | | | | | 6.76 |
| 65 | **UK315D1;H2315X** | 75 | 160 | 55 | 43 | 101.3 | 65 | 73 | 15 | 98 | 11.0 | 113 000 | 77 000 | 4.75 |
| $2\frac{7}{16}$ | **UK315D1;HA2315** | 2.9528 | 6.2992 | 2.1654 | 1.6929 | 3.988 | $2\frac{7}{16}$ | 2.874 | 0.591 | 3.858 | 0.433 | 25 500 | 17 400 | 11.1 |
| $2\frac{1}{2}$ | **UK315D1;HE2315X** | | | | | | $2\frac{1}{2}$ | | | | | | | 10.9 |
| 70 | **UK316D1;H2316X** | 80 | 170 | 58 | 45 | 107.9 | 70 | 78 | 17 | 105 | 11.4 | 123 000 | 86 500 | 5.75 |
| $2\frac{11}{16}$ | **UK316D1;HA2316** | 3.1496 | 6.6929 | 2.2835 | 1.7717 | 4.248 | $2\frac{11}{16}$ | 3.071 | 0.669 | 4.134 | 0.449 | 27 600 | 19 500 | 12.9 |
| $2\frac{3}{4}$ | **UK316D1;HE2316X** | | | | | | $2\frac{3}{4}$ | | | | | | | 12.7 |
| 75 | **UK317D1;H2317X** | 85 | 180 | 60 | 47 | 114.4 | 75 | 82 | 18 | 110 | 12.0 | 133 000 | 97 000 | 6.72 |
| $2\frac{15}{16}$ | **UK317D1;HA2317X** | 3.3465 | 7.0866 | 2.3622 | 1.8504 | 4.504 | $2\frac{15}{16}$ | 3.228 | 0.709 | 4.331 | 0.472 | 29 800 | 21 800 | 14.9 |
| 3 | **UK317D1;HE2317X** | | | | | | 3 | | | | | | | 14.6 |
| 80 | **UK318D1;H2318X** | 90 | 190 | 64 | 49 | 120.9 | 80 | 86 | 18 | 120 | 12.3 | 143 000 | 107 000 | 7.75 |
| $3\frac{3}{16}$ | **UK318D1;HA2318X** | 3.5433 | 7.4803 | 2.5197 | 1.9291 | 4.760 | $3\frac{3}{16}$ | 3.386 | 0.709 | 4.724 | 0.484 | 32 000 | 24 100 | 17.2 |
| 85 | **UK319D1;H2319X** | 95 | 200 | 67 | 51 | 127.5 | 85 | 90 | 19 | 125 | 12.8 | 153 000 | 119 000 | 9.02 |
| $3\frac{1}{4}$ | **UK319D1;HE2319X** | 3.7402 | 7.8740 | 2.6378 | 2.0079 | 5.020 | $3\frac{1}{4}$ | 3.543 | 0.748 | 4.921 | 0.504 | 34 500 | 26 600 | 20.4 |
| 90 | **UK320D1;H2320X** | 100 | 215 | 73 | 55 | 135.6 | 90 | 97 | 20 | 130 | 13.5 | 173 000 | 141 000 | 11.0 |
| $3\frac{7}{16}$ | **UK320D1;HA2320** | 3.9370 | 8.4646 | 2.8740 | 2.1654 | 5.339 | $3\frac{7}{16}$ | 3.819 | 0.787 | 5.118 | 0.531 | 39 000 | 31 500 | 24.7 |
| $3\frac{1}{2}$ | **UK320D1;HE2320X** | | | | | | $3\frac{1}{2}$ | | | | | | | 25.1 |
| 100 | **UK322D1;H2322X** | 110 | 240 | 80 | 59 | 151.7 | 100 | 105 | 21 | 145 | 13.9 | 205 000 | 179 000 | 14.9 |
| 110 | **UK324D1;H2324** | 120 | 260 | 86 | 63 | 165.2 | 110 | 112 | 22 | 155 | 16.0 | 207 000 | 185 000 | 18.0 |
| 115 | **UK326D1;H2326** | 130 | 280 | 90 | 67 | 178.3 | 115 | 121 | 23 | 165 | 16.9 | 229 000 | 214 000 | 23.3 |
| 125 | **UK328D1;H2328** | 140 | 300 | 95 | 71 | 190.4 | 125 | 131 | 24 | 180 | 17.7 | 253 000 | 246 000 | 28.6 |

**Notes** (1) These numbers indicate relubricatable type. If maintenance free type is needed, please order without suffix "D1".
(2) Adapter number with suffix "X" means a narrow slot type adapter sleeve.
In this case the lock washer with the straight inner prong should be used.

## Ball bearings
## Adapter type

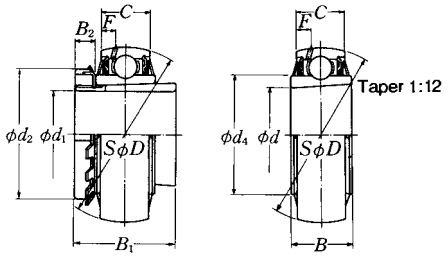



**UKX···D1;H, HA, HE, HS** **UKX···D1**

| Shaft dia. mm inch | Bearing (1)(2)(3) number | Nominal dimensions mm inch | | | | | | | | | | Basic load ratings N lbf | | Mass kg lb |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | $d$ | $D$ | $B$ | $C$ | $d_4$ | $d_1$ | $B_1$ | $B_2$ | $d_2$ | $F$ | dynamic $C_r$ | static $C_{or}$ | |
| 20 | UKX05D1;H2305X | 25 | 62 | 26 | 19 | 40.8 | 20 | 35 | 8 | 38 | 4.6 | 19 500 | 11 300 | 0.38 |
| 3/4 | UKX05D1;HE2305 | 0.9843 | 2.4409 | 1.0236 | 0.7480 | 1.606 | 3/4 | 1.378 | 0.315 | 1.496 | 0.181 | 4 400 | 2 540 | 0.85 |
| 25 | UKX06D1;H2306X | 30 | 72 | 29 | 20 | 46.8 | 25 | 38 | 8 | 45 | 4.6 | 25 700 | 15 300 | 0.53 |
| 7/8 | UKX06D1;HS2306 | 1.1811 | 2.8346 | 1.1417 | 0.7874 | 1.843 | 7/8 | 1.496 | 0.315 | 1.772 | 0.181 | 5 750 | 3 450 | 1.24 |
| 1 | UKX06D1;HE2306X | | | | | | 1 | | | | | | | 1.16 |
| 30 | UKX07D1;H2307X | 35 | 80 | 31 | 21 | 53 | 30 | 43 | 9 | 52 | 4.5 | 29 100 | 17 800 | 0.75 |
| 1 1/8 | UKX07D1;HS2307 | 1.3780 | 3.1496 | 1.2205 | 0.8268 | 2.087 | 1 1/8 | 1.693 | 0.354 | 2.047 | 0.177 | 6 550 | 4 000 | 1.70 |
| 35 | UKX08D1;H2308X | 40 | 85 | 31 | 22 | 57.5 | 35 | 46 | 10 | 58 | 4.9 | 32 500 | 20 400 | 0.85 |
| 1 1/4 | UKX08D1;HE2308X | 1.5748 | 3.3465 | 1.2205 | 0.8661 | 2.264 | 1 1/4 | 1.811 | 0.394 | 2.283 | 0.193 | 7 350 | 4 600 | 2.01 |
| 1 3/8 | UKX08D1;HS2308X | | | | | | 1 3/8 | | | | | | | 1.88 |
| 40 | UKX09D1;H2309X | 45 | 90 | 32 | 24 | 62.4 | 40 | 50 | 11 | 65 | 5.9 | 35 000 | 23 200 | 0.97 |
| 1 7/16 | UKX09D1;HA2309 | | | | | | 1 7/16 | | | | | | | 2.32 |
| 1 1/2 | UKX09D1;HE2309X | 1.7717 | 3.5433 | 1.2598 | 0.9449 | 2.457 | 1 1/2 | 1.969 | 0.433 | 2.559 | 0.232 | 7 900 | 5 200 | 2.24 |
| 1 5/8 | UKX09D1;HS2309X | | | | | | 1 5/8 | | | | | | | 2.07 |
| 45 | UKX10D1;H2310X | 50 | 100 | 35 | 25 | 69 | 45 | 55 | 12 | 70 | 6.0 | 43 500 | 29 200 | 1.26 |
| 1 5/8 | UKX10D1;HS2310 | | | | | | 1 5/8 | | | | | | | 3.09 |
| 1 11/16 | UKX10D1;HA2310 | 1.9685 | 3.9370 | 1.3780 | 0.9843 | 2.717 | 1 11/16 | 2.165 | 0.472 | 2.756 | 0.236 | 9 750 | 6 550 | 2.99 |
| 1 3/4 | UKX10D1;HE2310X | | | | | | 1 3/4 | | | | | | | 2.88 |
| 50 | UKX11D1;H2311X | 55 | 110 | 38 | 27 | 77 | 50 | 59 | 12 | 75 | 6.2 | 52 500 | 36 000 | 1.62 |
| 1 7/8 | UKX11D1;HS2311 | | | | | | 1 7/8 | | | | | | | 3.84 |
| 1 15/16 | UKX11D1;HA2311 | 2.1654 | 4.3307 | 1.4961 | 1.0630 | 3.031 | 1 15/16 | 2.323 | 0.472 | 2.953 | 0.244 | 11 800 | 8 150 | 3.72 |
| 2 | UKX11D1;HE2311XY | | | | | | 2 | | | | | | | 3.58 |
| 55 | UKX12D1;H2312X | 60 | 120 | 40 | 32 | 82.5 | 55 | 62 | 13 | 80 | 8.7 | 57 500 | 40 000 | 2.07 |
| 2 1/8 | UKX12D1;HS2312 | 2.3622 | 4.7244 | 1.5748 | 1.2598 | 3.248 | 2 1/8 | 2.441 | 0.512 | 3.150 | 0.343 | 12 900 | 9 000 | 4.66 |

**Notes** (1) These numbers indicate relubricatable type. If maintenance free type is needed, please order without suffix "D1".
(2) Adapter number with suffix "X" means a narrow slot type adapter sleeve.
In this case the lock washer with the straight inner prong should be used.
(3) For HE2311XY, screw thread pitch different from the standard is applied, because of the thin thread section of sleeve.
To distinguish it, a suffix "Y" is added.

## Ball bearings
## Adapter type

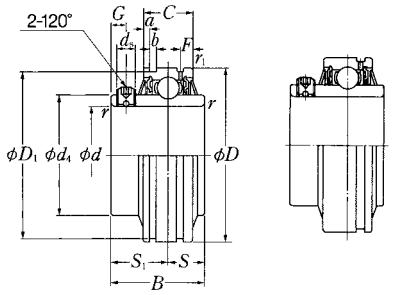



**UKX···D1;H, HA, HE, HS** **UKX···D1**

| Shaft dia. mm inch | Bearing (1)(2) number | Nominal dimensions mm inch $d$ | $D$ | $B$ | $C$ | $d_4$ | $d_1$ | $B_1$ | $B_2$ | $d_2$ | $F$ | Basic load ratings N lbf dynamic $C_r$ | static $C_{or}$ | Mass kg lb |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 60 | UKX13D1;H2313X | 65 | 125 | 42 | 33 | 87 | 60 | 65 | 14 | 85 | 8.8 | 62 000 | 44 000 | 2.19 |
| 2 3/16 | UKX13D1;HA2313 | | | | | | 2 3/16 | | | | | | | 5.28 |
| 2 1/4 | UKX13D1;HE2313X | 2.5591 | 4.9213 | 1.6535 | 1.2992 | 3.425 | 2 1/4 | 2.559 | 0.551 | 3.346 | 0.346 | 14 000 | 9 900 | 5.12 |
| 2 3/8 | UKX13D1;HS2313X | | | | | | 2 3/8 | | | | | | | 4.79 |
| 65 | UKX15D1;H2315X | 75 | 140 | 45 | 35 | 98.1 | 65 | 73 | 15 | 98 | 9.5 | 72 500 | 53 000 | 3.25 |
| 2 7/16 | UKX15D1;HA2315 | 2.9528 | 5.5118 | 1.7717 | 1.3780 | 3.862 | 2 7/16 | 2.874 | 0.591 | 3.858 | 0.374 | 16 300 | 11 900 | 7.47 |
| 2 1/2 | UKX15D1;HE2315X | | | | | | 2 1/2 | | | | | | | 7.27 |
| 70 | UKX16D1;H2316X | 80 | 150 | 46 | 36 | 106.4 | 70 | 78 | 17 | 105 | 10.1 | 83 500 | 64 000 | 3.87 |
| 2 11/16 | UKX16D1;HA2316 | 3.1496 | 5.9055 | 1.8110 | 1.4173 | 4.189 | 2 11/16 | 3.071 | 0.669 | 4.134 | 0.398 | 18 700 | 14 300 | 8.79 |
| 2 3/4 | UKX16D1;HE2316X | | | | | | 2 3/4 | | | | | | | 8.56 |
| 75 | UKX17D1;H2317X | 85 | 160 | 47 | 37 | 111.6 | 75 | 82 | 18 | 110 | 9.8 | 96 000 | 71 500 | 4.53 |
| 2 15/16 | UKX17D1;HA2317X | 3.3465 | 6.2992 | 1.8504 | 1.4567 | 4.394 | 2 15/16 | 3.228 | 0.709 | 4.331 | 0.386 | 21 600 | 16 100 | 10.6 |
| 3 | UKX17D1;HE2317X | | | | | | 3 | | | | | | | 10.3 |
| 80 | UKX18D1;H2318X | 90 | 170 | 49 | 39 | 118.2 | 80 | 86 | 18 | 120 | 10.5 | 109 000 | 82 000 | 5.17 |
| 3 3/16 | UKX18D1;HA2318X | 3.5433 | 6.6929 | 1.9291 | 1.5354 | 4.654 | 3 3/16 | 3.386 | 0.709 | 4.724 | 0.413 | 24 500 | 18 400 | 11.2 |
| 90 | UKX20D1;H2320X | 100 | 190 | 57 | 44 | 131.3 | 90 | 97 | 20 | 130 | 11.3 | 133 000 | 105 000 | 7.39 |

**Notes** (1) These numbers indicate relubricatable type. If maintenance free type is needed, please order without suffix "D1".
(2) Adapter number with suffix "X" means a narrow slot type adapter sleeve.
In this case the lock washer with the straight inner prong should be used.

## Ball bearings
## Set screw type




UCS···D1N

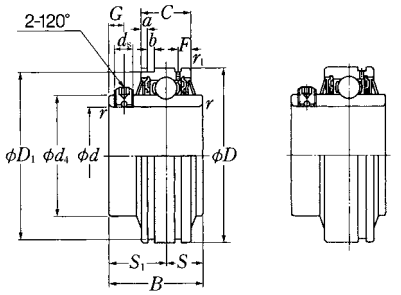


UCS···D1

| Shaft dia. mm inch | Bearing (1) number | Nominal dimensions mm inch d | D | B | C | r min. | r1 min. | S | S1 | G | ds | d4 | D1 | a | b | F | Basic load ratings N lbf dynamic Cr | static Cor | Mass kg lb |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 12 | UCS201LD1N | 12 | 47 | 31 | 17 | 0.6 | 0.6 | 12.7 | 18.3 | 4.5 | M5×0.8 | 29.6 | 44.6 | 3.1 | 1.5 | 4 | 12 800 | 6 650 | 0.21 |
| 1/2 | UCS201-008LD1N | 0.5000 | 1.8504 | 1.2205 | 0.6693 | 0.024 | 0.024 | 0.500 | 0.720 | 0.177 | No.10-32UNNF | 1.1654 | 1.756 | 0.122 | 0.059 | 0.157 | 2 890 | 1 500 | 0.46 |
| 15 | UCS202LD1N | 15 | 47 | 31 | 17 | 0.6 | 0.6 | 12.7 | 18.3 | 4.5 | M5×0.8 | 29.6 | 44.6 | 3.1 | 1.5 | 4 | 12 800 | 6 650 | 0.20 |
| 9/16 | UCS202-009LD1N | 0.5625 | 1.8504 | 1.2205 | 0.6693 | 0.024 | 0.024 | 0.500 | 0.720 | 0.177 | No.10-32UNNF | 1.1654 | 1.756 | 0.122 | 0.059 | 0.157 | 2 890 | 1 500 | 0.44 |
| 5/8 | UCS202-010LD1N | 0.6250 | | | | | | | | | | | | | | | | | 0.42 |
| 17 | UCS203LD1N | 17 | 47 | 31 | 17 | 0.6 | 0.6 | 12.7 | 18.3 | 4.5 | M5×0.8 | 29.6 | 44.6 | 3.1 | 1.5 | 4 | 12 800 | 6 650 | 0.18 |
| 11/16 | UCS203-011LD1N | 0.6875 | 1.8504 | 1.2205 | 0.6693 | 0.024 | 0.024 | 0.500 | 0.720 | 0.177 | No.10-32UNNF | 1.1654 | 1.756 | 0.122 | 0.059 | 0.157 | 2 890 | 1 500 | 0.39 |
| 20 | UCS204LD1N | 20 | 47 | 31 | 17 | 1 | 0.6 | 12.7 | 18.3 | 4.5 | M5×0.8 | 29.6 | 44.6 | 3.1 | 1.5 | 4 | 12 800 | 6 650 | 0.17 |
| 3/4 | UCS204-012LD1N | 0.7500 | 1.8504 | 1.2205 | 0.6693 | 0.039 | 0.024 | 0.500 | 0.720 | 0.177 | No.10-32UNNF | 1.1654 | 1.756 | 0.122 | 0.059 | 0.157 | 2 890 | 1 500 | 0.39 |
| 25 | UCS205LD1N | 25 | 52 | 34.1 | 17 | 1 | 0.6 | 14.3 | 19.8 | 5 | M5×0.8 | 33.9 | 49.73 | 3.2 | 1.5 | 4.1 | 14 000 | 7 850 | 0.20 |
| 13/16 | UCS205-013LD1N | 0.8125 | | | | | | | | | | | | | | | | | 0.53 |
| 7/8 | UCS205-014LD1N | 0.8750 | 2.0472 | 1.3425 | 0.6693 | 0.039 | 0.024 | 0.563 | 0.780 | 0.197 | No.10-32UNNF | 1.3346 | 1.958 | 0.126 | 0.059 | 0.161 | 3 150 | 1 770 | 0.51 |
| 15/16 | UCS205-015LD1N | 0.9375 | | | | | | | | | | | | | | | | | 0.46 |
| 1 | UCS205-100LD1N | 1.0000 | | | | | | | | | | | | | | | | | 0.44 |
| 30 | UCS206LD1N | 30 | 62 | 38.1 | 19 | 1 | 1 | 15.9 | 22.2 | 5 | M6×0.75 | 40.8 | 59.61 | 3.2 | 2.05 | 4.2 | 19 500 | 11 300 | 0.34 |
| 1 1/16 | UCS206-101LD1N | 1.0625 | | | | | | | | | | | | | | | | | 0.82 |
| 1 1/8 | UCS206-102LD1N | 1.1250 | 2.4409 | 1.5000 | 0.7480 | 0.039 | 0.039 | 0.626 | 0.874 | 0.197 | 1/4-28UNF | 1.6063 | 2.347 | 0.126 | 0.081 | 0.165 | 4 400 | 2 540 | 0.77 |
| 1 3/16 | UCS206-103LD1N | 1.1875 | | | | | | | | | | | | | | | | | 0.73 |
| 1 1/4 | UCS206-104LD1N | 1.2500 | | | | | | | | | | | | | | | | | 0.66 |
| 35 | UCS207LD1N | 35 | 72 | 42.9 | 20 | 1.5 | 1.5 | 17.5 | 25.4 | 6 | M6×0.75 | 46.8 | 68.81 | 3.3 | 2.05 | 5 | 25 700 | 15 300 | 0.48 |
| 1 1/4 | UCS207-104LD1N | 1.2500 | | | | | | | | | | | | | | | | | 1.21 |
| 1 5/16 | UCS207-105LD1N | 1.3125 | 2.8346 | 1.6890 | 0.7874 | 0.059 | 0.059 | 0.689 | 1.000 | 0.236 | 1/4-28UNF | 1.8425 | 2.709 | 0.130 | 0.081 | 0.197 | 5 750 | 3 450 | 1.15 |
| 1 3/8 | UCS207-106LD1N | 1.3750 | | | | | | | | | | | | | | | | | 1.08 |
| 1 7/16 | UCS207-107LD1N | 1.4375 | | | | | | | | | | | | | | | | | 1.01 |
| 40 | UCS208LD1N | 40 | 80 | 49.2 | 21 | 1.5 | 1.5 | 19 | 30.2 | 8 | M8×1 | 53 | 76.81 | 3.4 | 2.05 | 5 | 29 100 | 17 800 | 0.65 |
| 1 1/2 | UCS208-108LD1N | 1.5000 | 3.1496 | 1.9370 | 0.8268 | 0.059 | 0.059 | 0.748 | 1.189 | 0.315 | 5/16-24UNF | 2.0866 | 3.024 | 0.134 | 0.081 | 0.197 | 6 550 | 4 000 | 1.52 |
| 1 9/16 | UCS208-109LD1N | 1.5625 | | | | | | | | | | | | | | | | | 1.46 |
| 45 | UCS209LD1N | 45 | 85 | 49.2 | 22 | 1.5 | 1.5 | 19 | 30.2 | 8 | M8×1 | 57.5 | 81.81 | 3.5 | 2.05 | 5.1 | 32 500 | 20 400 | 0.70 |
| 1 5/8 | UCS209-110LD1N | 1.6250 | | | | | | | | | | | | | | | | | 1.76 |
| 1 11/16 | UCS209-111LD1N | 1.6875 | 3.3465 | 1.9370 | 0.8661 | 0.059 | 0.059 | 0.748 | 1.189 | 0.315 | 5/16-24UNF | 2.2638 | 3.221 | 0.138 | 0.081 | 0.201 | 7 350 | 4 600 | 1.68 |
| 1 3/4 | UCS209-112LD1N | 1.7500 | | | | | | | | | | | | | | | | | 1.57 |

**Note** (1) These numbers indicate relubricatable type. If maintenance free type is needed, please order without suffix "D1".

## Ball bearings
## Set screw type




UCS···D1N

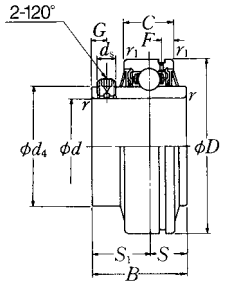


UCS···D1

| Shaft dia. | Bearing (1) number | Nominal dimensions | | | | | | | | | | Nominal dimensions | | | | | Basic load ratings | | Mass | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | mm inch | | | | | mm inch | | | | | | | mm inch | | | N lbf | | kg | lb |
| mm inch | | $d$ | $D$ | $B$ | $C$ | $r$ min. | $r_1$ min. | $S$ | $S_1$ | $G$ | $d_s$ | $d_4$ | $D_1$ | $a$ | $b$ | $F$ | dynamic $C_r$ | static $C_{or}$ | | |
| 50 | UCS210LD1N | 50 | 90 | 51.6 | 24 | 1.5 | 1.5 | 19 | 32.6 | 9 | M8×1 | 62.4 | 86.79 | 3.7 | 2.85 | 5.6 | 35 000 | 23 200 | 0.78 | |
| 1 13/16 | UCS210-113LD1N | 1.8125 | | | | | | | | | | | | | | | | | | 2.03 |
| 1 7/8 | UCS210-114LD1N | 1.8750 | 3.5433 | 2.0315 | 0.9449 | 0.059 | 0.059 | 0.748 | 1.283 | 0.354 | 5/16-24UNF | 2.4567 | 3.417 | 0.146 | 0.112 | 0.220 | 7 900 | 5 200 | | 1.92 |
| 1 15/16 | UCS210-115LD1N | 1.9375 | | | | | | | | | | | | | | | | | | 1.81 |
| 2 | UCS210-200LD1N | 2.0000 | | | | | | | | | | | | | | | | | | 1.69 |
| 55 | UCS211LD1N | 55 | 100 | 55.6 | 25 | 2 | 2 | 22.2 | 33.4 | 9 | M8×1 | 69 | 96.80 | 4.4 | 2.85 | 5.9 | 43 500 | 29 200 | 1.06 | |
| 2 | UCS211-200LD1N | 2.0000 | | | | | | | | | | | | | | | | | | 2.71 |
| 2 1/16 | UCS211-201LD1N | 2.0625 | | | | | | | | | | | | | | | | | | 2.60 |
| 2 1/8 | UCS211-202LD1N | 2.1250 | 3.9370 | 2.1890 | 0.9843 | 0.079 | 0.079 | 0.874 | 1.315 | 0.354 | 5/16-24UNF | 2.7165 | 3.811 | 0.173 | 0.112 | 0.232 | 9 750 | 6 550 | | 2.46 |
| 2 3/16 | UCS211-203LD1N | 2.1875 | | | | | | | | | | | | | | | | | | 2.34 |
| 60 | UCS212LD1N | 60 | 110 | 65.1 | 27 | 2 | 2 | 25.4 | 39.7 | 10 | M10×1.25 | 77 | 106.81 | 4.4 | 2.85 | 6 | 52 500 | 36 000 | 1.48 | |
| 2 1/4 | UCS212-204LD1N | 2.2500 | | | | | | | | | | | | | | | | | | 3.78 |
| 2 5/16 | UCS212-205LD1N | 2.3125 | | | | | | | | | | | | | | | | | | 3.62 |
| 2 3/8 | UCS212-206LD1N | 2.3750 | 4.3307 | 2.5630 | 1.0630 | 0.079 | 0.079 | 1.000 | 1.563 | 0.394 | 3/8-24UNF | 3.0315 | 4.205 | 0.173 | 0.112 | 0.236 | 11 800 | 8 150 | | 3.45 |
| 2 7/16 | UCS212-207LD1N | 2.4375 | | | | | | | | | | | | | | | | | | 3.29 |
| 65 | UCS213D1 | 65 | 120 | 65.1 | 32 | 2 | 2 | 25.4 | 39.7 | 10 | M10×1.25 | 82.5 | — | — | — | 6.8 | 57 500 | 40 000 | 1.88 | |
| 2 1/2 | UCS213-208D1 | 2.5000 | | | | | | | | | | | | | | | | | | 4.41 |
| 2 9/16 | UCS213-209D1 | 2.5625 | 4.7244 | 2.5630 | 1.2598 | 0.079 | 0.079 | 1.000 | 1.563 | 0.394 | 3/8-24UNF | 3.2480 | — | — | — | 0.268 | 12 900 | 9 000 | | 4.24 |
| 70 | UCS214D1 | 70 | 125 | 74.6 | 33 | 2 | 2 | 30.2 | 44.4 | 12 | M10×1.25 | 87 | — | — | — | 7 | 62 000 | 44 000 | 2.17 | |
| 75 | UCS215D1 | 75 | 130 | 77.8 | 34 | 2 | 2 | 33.3 | 44.5 | 12 | M10×1.25 | 93 | — | — | — | 7 | 66 000 | 49 500 | 2.43 | |
| 80 | UCS216D1 | 80 | 140 | 82.6 | 35 | 2.5 | 2.5 | 33.3 | 49.3 | 12 | M10×1.25 | 98.1 | — | — | — | 7.5 | 72 500 | 53 000 | 2.89 | |
| 85 | UCS217D1 | 85 | 150 | 85.7 | 36 | 2.5 | 2.5 | 34.1 | 51.6 | 12 | M12×1.5 | 106.4 | — | — | — | 7.5 | 83 500 | 64 000 | 3.47 | |
| 90 | UCS218D1 | 90 | 160 | 96 | 37 | 2.5 | 2.5 | 39.7 | 56.3 | 12 | M12×1.5 | 111.6 | — | — | — | 7 | 96 000 | 71 500 | 4.24 | |

**Note** (1) These numbers indicate relubricatable type. If maintenance free type is needed, please order without suffix "D1".

## Ball bearings
## Set screw type

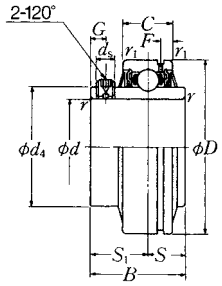



| Shaft dia. mm / inch | Bearing (1) number | Nominal dimensions mm / inch | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | $d$ | $D$ | $B$ | $C$ | $r$ min. | $r_1$ min. | $S$ | $S_1$ | $G$ | $d_s$ |
| 25 | UCS305D1 | 25 | 62 | 38 | 20 | 1.5 | 0.6 | 15 | 23 | 6 | M6×0.75 |
| 13/16 | UCS305-013D1 | 0.8125 | | | | | | | | | |
| 7/8 | UCS305-014D1 | 0.8750 | 2.4409 | 1.4961 | 0.7874 | 0.059 | 0.024 | 0.591 | 0.906 | 0.236 | 1/4-28UNF |
| 15/16 | UCS305-015D1 | 0.9375 | | | | | | | | | |
| 1 | UCS305-100D1 | 1.0000 | | | | | | | | | |
| 30 | UCS306D1 | 30 | 72 | 43 | 23 | 1.5 | 1 | 17 | 26 | 6 | M6×0.75 |
| 1 1/16 | UCS306-101D1 | 1.0625 | | | | | | | | | |
| 1 1/8 | UCS306-102D1 | 1.1250 | 2.8346 | 1.6929 | 0.9055 | 0.059 | 0.039 | 0.669 | 1.024 | 0.236 | 1/4-28UNF |
| 1 3/16 | UCS306-103D1 | 1.1875 | | | | | | | | | |
| 35 | UCS307D1 | 35 | 80 | 48 | 25 | 2 | 1 | 19 | 29 | 8 | M8×1 |
| 1 1/4 | UCS307-104D1 | 1.2500 | | | | | | | | | |
| 1 5/16 | UCS307-105D1 | 1.3125 | 3.1496 | 1.8898 | 0.9843 | 0.079 | 0.039 | 0.748 | 1.142 | 0.315 | 5/16-24UNF |
| 1 3/8 | UCS307-106D1 | 1.3750 | | | | | | | | | |
| 1 7/16 | UCS307-107D1 | 1.4375 | | | | | | | | | |
| 40 | UCS308D1 | 40 | 90 | 52 | 27 | 2 | 1 | 19 | 33 | 10 | M10×1.25 |
| 1 1/2 | UCS308-108D1 | 1.5000 | 3.5433 | 2.0472 | 1.0630 | 0.079 | 0.039 | 0.748 | 1.299 | 0.394 | 3/8-24UNF |
| 1 9/16 | UCS308-109D1 | 1.5625 | | | | | | | | | |
| 45 | UCS309D1 | 45 | 100 | 57 | 29 | 2 | 1 | 22 | 35 | 10 | M10×1.25 |
| 1 5/8 | UCS309-110D1 | 1.6250 | | | | | | | | | |
| 1 11/16 | UCS309-111D1 | 1.6875 | 3.9370 | 2.2441 | 1.1417 | 0.079 | 0.039 | 0.866 | 1.378 | 0.394 | 3/8-24UNF |
| 1 3/4 | UCS309-112D1 | 1.7500 | | | | | | | | | |
| 50 | UCS310D1 | 50 | 110 | 61 | 32 | 2.5 | 1.5 | 22 | 39 | 12 | M12×1.5 |
| 1 13/16 | UCS310-113D1 | 1.8125 | | | | | | | | | |
| 1 7/8 | UCS310-114D1 | 1.8750 | 4.3307 | 2.4016 | 1.2598 | 0.098 | 0.059 | 0.866 | 1.535 | 0.472 | 1/2-20UNF |
| 1 15/16 | UCS310-115D1 | 1.9375 | | | | | | | | | |
| 55 | UCS311D1 | 55 | 120 | 66 | 34 | 2.5 | 1.5 | 25 | 41 | 12 | M12×1.5 |
| 2 | UCS311-200D1 | 2.0000 | | | | | | | | | |
| 2 1/16 | UCS311-201D1 | 2.0625 | | | | | | | | | |
| 2 1/8 | UCS311-202D1 | 2.1250 | 4.7244 | 2.5984 | 1.3386 | 0.098 | 0.059 | 0.984 | 1.614 | 0.472 | 1/2-20UNF |
| 2 3/16 | UCS311-203D1 | 2.1875 | | | | | | | | | |

| Nominal dimensions mm / inch | | Basic load ratings N / lbf | | Mass kg / lb |
|---|---|---|---|---|
| $d_4$ | $F$ | dynamic $C_r$ | static $C_{or}$ | |
| 36.8 | 4.3 | 21 200 | 10 900 | 0.37 |
| | | | | 0.94 |
| | | | | 0.90 |
| 1.4488 | 0.169 | 4 750 | 2 460 | |
| | | | | 0.83 |
| | | | | 0.81 |
| 44.9 | 5.1 | 26 700 | 15 000 | 0.58 |
| | | | | 1.39 |
| 1.7677 | 0.201 | 6 000 | 3 400 | 1.33 |
| | | | | 1.28 |
| 49.4 | 5.3 | 33 500 | 19 100 | 0.74 |
| | | | | 1.77 |
| | | | | 1.70 |
| 1.9449 | 0.209 | 7 500 | 4 300 | |
| | | | | 1.64 |
| | | | | 1.57 |
| 56 | 5.6 | 40 500 | 24 000 | 1.00 |
| | | | | 2.32 |
| 2.2047 | 0.220 | 9 150 | 5 400 | |
| | | | | 2.23 |
| 63.5 | 5.8 | 53 000 | 32 000 | 1.33 |
| | | | | 3.17 |
| 2.5000 | 0.228 | 11 900 | 7 200 | 3.09 |
| | | | | 2.98 |
| 70.6 | 6.3 | 62 000 | 38 500 | 1.72 |
| | | | | 4.10 |
| 2.7795 | 0.248 | 13 900 | 8 600 | 3.99 |
| | | | | 3.85 |
| 76.6 | 6.5 | 71 500 | 45 000 | 2.15 |
| | | | | 5.14 |
| | | | | 4.99 |
| 3.0157 | 0.256 | 16 100 | 10 100 | |
| | | | | 4.85 |
| | | | | 4.68 |

**Note** (1) These numbers indicate relubricatable type. If maintenance free type is needed, please order without suffix "D1".

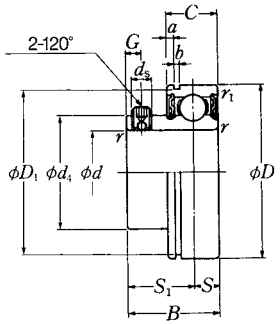
## Ball bearings
## Set screw type




| Shaft dia. mm / inch | Bearing (1) number | Nominal dimensions mm / inch | | | | | | | | | | Nominal dimensions mm / inch | | Basic load ratings N / lbf | | Mass kg / lb |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | $d$ | $D$ | $B$ | $C$ | $r$ min. | $r_1$ min. | $S$ | $S_1$ | $G$ | $d_s$ | $d_4$ | $F$ | dynamic $C_r$ | static $C_{or}$ | |
| 60 | UCS312D1 | 60 | 130 | 71 | 36 | 2.5 | 1.5 | 26 | 45 | 12 | M12×1.5 | 82.7 | 6.7 | 82 000 | 52 000 | 2.70 |
| 2 1/4 | UCS312-204D1 | 2.2500 | | | | | | | | | | | | | | 6.27 |
| 2 5/16 | UCS312-205D1 | 2.3125 | 5.1181 | 2.7953 | 1.4173 | 0.098 | 0.059 | 1.024 | 1.772 | 0.472 | 1/2-20UNF | 3.2559 | 0.264 | 18 400 | 11 700 | 6.10 |
| 2 3/8 | UCS312-206D1 | 2.3750 | | | | | | | | | | | | | | 5.89 |
| 2 7/16 | UCS312-207D1 | 2.4375 | | | | | | | | | | | | | | 5.72 |
| 65 | UCS313D1 | 65 | 140 | 75 | 39 | 2.5 | 2 | 30 | 45 | 12 | M12×1.5 | 88.2 | 7.5 | 92 500 | 60 000 | 3.37 |
| 2 1/2 | UCS313-208D1 | 2.5000 | 5.5118 | 2.9528 | 1.5354 | 0.098 | 0.079 | 1.181 | 1.772 | 0.472 | 1/2-20UNF | 3.4724 | 0.295 | 20 800 | 13 400 | 7.63 |
| 2 9/16 | UCS313-209D1 | 2.5625 | | | | | | | | | | | | | | 7.41 |
| 70 | UCS314D1 | 70 | 150 | 78 | 41 | 2.5 | 2 | 33 | 45 | 12 | M12×1.5 | 94.8 | 7.5 | 104 000 | 68 000 | 4.03 |
| 2 5/8 | UCS314-210D1 | 2.6250 | | | | | | | | | | | | | | 9.37 |
| 2 11/16 | UCS314-211D1 | 2.6875 | 5.9055 | 3.0709 | 1.6142 | 0.098 | 0.079 | 1.299 | 1.772 | 0.472 | 1/2-20UNF | 3.7323 | 0.295 | 23 400 | 15 300 | 9.13 |
| 2 3/4 | UCS314-212D1 | 2.7500 | | | | | | | | | | | | | | 8.91 |
| 75 | UCS315D1 | 75 | 160 | 82 | 43 | 2.5 | 2 | 32 | 50 | 14 | M14×1.5 | 101.3 | 7.7 | 113 000 | 77 000 | 4.88 |
| 2 13/16 | UCS315-213D1 | 2.8125 | | | | | | | | | | | | | | 11.4 |
| 2 7/8 | UCS315-214D1 | 2.8750 | 6.2992 | 3.2283 | 1.6929 | 0.098 | 0.079 | 1.260 | 1.969 | 0.551 | 9/16-18UNF | 3.9882 | 0.303 | 25 500 | 17 400 | 11.1 |
| 2 15/16 | UCS315-215D1 | 2.9375 | | | | | | | | | | | | | | 10.9 |
| 3 | UCS315-300D1 | 3.0000 | | | | | | | | | | | | | | 10.6 |
| 80 | UCS316D1 | 80 | 170 | 86 | 45 | 2.5 | 2 | 34 | 52 | 14 | M14×1.5 | 107.9 | 7.8 | 123 000 | 86 500 | 5.74 |
| 3 1/16 | UCS316-301D1 | 3.0625 | | | | | | | | | | | | | | 13.0 |
| 3 1/8 | UCS316-302D1 | 3.1250 | 6.6929 | 3.3858 | 1.7717 | 0.098 | 0.079 | 1.339 | 2.047 | 0.551 | 9/16-18UNF | 4.2480 | 0.307 | 27 600 | 19 500 | 12.7 |
| 3 3/16 | UCS316-303D1 | 3.1875 | | | | | | | | | | | | | | 12.5 |
| 85 | UCS317D1 | 85 | 180 | 96 | 47 | 3 | 2.5 | 40 | 56 | 16 | M16×1.5 | 114.4 | 8.2 | 133 000 | 97 000 | 6.88 |
| 3 1/4 | UCS317-304D1 | 3.2500 | | | | | | | | | | | | | | 15.7 |
| 3 5/16 | UCS317-305D1 | 3.3125 | 7.0866 | 3.7795 | 1.8504 | 0.118 | 0.098 | 1.575 | 2.205 | 0.630 | 5/8-18UNF | 4.5039 | 0.323 | 29 800 | 21 800 | 15.4 |
| 3 7/16 | UCS317-307D1 | 3.4375 | | | | | | | | | | | | | | 14.7 |
| 90 | UCS318D1 | 90 | 190 | 96 | 49 | 3 | 2.5 | 40 | 56 | 16 | M16×1.5 | 120.9 | 8.5 | 143 000 | 107 000 | 7.80 |
| 3 7/16 | UCS318-307D1 | 3.4375 | 7.4803 | 3.7795 | 1.9291 | 0.118 | 0.098 | 1.575 | 2.205 | 0.630 | 5/8-18UNF | 4.7598 | 0.335 | 32 000 | 24 100 | 17.8 |
| 3 1/2 | UCS318-308D1 | 3.5000 | | | | | | | | | | | | | | 17.4 |

**Note** (1) These numbers indicate relubricatable type. If maintenance free type is needed, please order without suffix "D1".

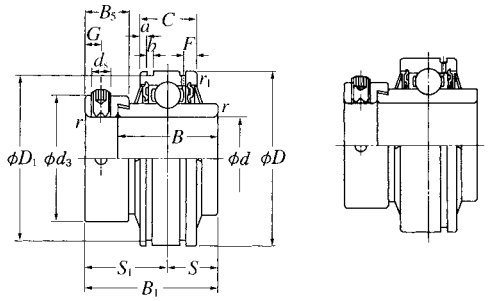
## Ball bearings
## Set screw type




| Shaft dia. mm / inch | Bearing number | Nominal dimensions mm / inch: $d$ | $D$ | $B$ | $C$ | $r$ min. | $r_1$ min. | $S$ | $S_1$ | $G$ | $d_s$ | $d_4$ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 12 | **ASS201N** | 12 | 40 | 22 | 12 | 0.6 | 0.6 | 6 | 16 | 4.2 | M5×0.8 | 24.3 |
| 1/2 | **ASS201-008N** | 0.5000 | 1.5748 | 0.8661 | 0.4724 | 0.024 | 0.024 | 0.236 | 0.630 | 0.165 | No.10-32UNF | 0.957 |
| 15 | **ASS202N** | 15 | 40 | 22 | 12 | 0.6 | 0.6 | 6 | 16 | 4.2 | M5×0.8 | 24.3 |
| 9/16 | **ASS202-009N** | 0.5625 | 1.5748 | 0.8661 | 0.4724 | 0.024 | 0.024 | 0.236 | 0.630 | 0.165 | No.10-32UNF | 0.957 |
| 5/8 | **ASS202-010N** | 0.6250 | | | | | | | | | | |
| 17 | **ASS203N** | 17 | 40 | 22 | 12 | 0.6 | 0.6 | 6 | 16 | 4.2 | M5×0.8 | 24.3 |
| 11/16 | **ASS203-011N** | 0.6875 | 1.5748 | 0.8661 | 0.4724 | 0.024 | 0.024 | 0.236 | 0.630 | 0.165 | No.10-32UNF | 0.957 |
| 20 | **ASS204N** | 20 | 47 | 25 | 14 | 1 | 0.6 | 7 | 18 | 4.2 | M5×0.8 | 29.6 |
| 3/4 | **ASS204-012N** | 0.7500 | 1.8504 | 0.9843 | 0.5512 | 0.039 | 0.024 | 0.276 | 0.709 | 0.165 | No.10-32UNF | 1.165 |
| 25 | **ASS205N** | 25 | 52 | 27 | 15 | 1 | 0.6 | 7.5 | 19.5 | 5 | M5×0.8 | 33.9 |
| 13/16 | **ASS205-013N** | 0.8125 | 2.0472 | 1.0630 | 0.5906 | 0.039 | 0.024 | 0.295 | 0.768 | 0.197 | No.10-32UNF | 1.335 |
| 7/8 | **ASS205-014N** | 0.8750 | | | | | | | | | | |
| 15/16 | **ASS205-015N** | 0.9375 | | | | | | | | | | |
| 1 | **ASS205-100N** | 1.0000 | | | | | | | | | | |
| 30 | **ASS206N** | 30 | 62 | 29 | 16 | 1 | 0.6 | 8 | 21 | 5 | M6×0.75 | 40.8 |
| 1 1/16 | **ASS206-101N** | 1.0625 | 2.4409 | 1.1417 | 0.6299 | 0.039 | 0.024 | 0.315 | 0.827 | 0.197 | 1/4-28UNF | 1.606 |
| 1 1/8 | **ASS206-102N** | 1.1250 | | | | | | | | | | |
| 1 3/16 | **ASS206-103N** | 1.1875 | | | | | | | | | | |
| 1 1/4 | **ASS206-104N** | 1.2500 | | | | | | | | | | |
| 35 | **ASS207N** | 35 | 72 | 34 | 17 | 1.5 | 0.6 | 8.5 | 25.5 | 6 | M6×0.75 | 46.8 |
| 1 1/4 | **ASS207-104N** | 1.2500 | 2.8346 | 1.3386 | 0.6693 | 0.059 | 0.024 | 0.335 | 1.004 | 0.236 | 1/4-28UNF | 1.843 |
| 1 5/16 | **ASS207-105N** | 1.3125 | | | | | | | | | | |
| 1 3/8 | **ASS207-106N** | 1.3750 | | | | | | | | | | |
| 1 7/16 | **ASS207-107N** | 1.4375 | | | | | | | | | | |
| 40 | **ASS208N** | 40 | 80 | 38 | 18 | 1.5 | 0.6 | 9 | 29 | 8 | M8×1 | 53 |
| 1 1/2 | **ASS208-108N** | 1.5000 | 3.1496 | 1.4961 | 0.7087 | 0.059 | 0.024 | 0.354 | 1.142 | 0.315 | 5/16-24UNF | 2.087 |
| 1 9/16 | **ASS208-109N** | 1.5625 | | | | | | | | | | |

| Nominal dimensions mm / inch: $D_1$ | $a$ | $b$ | Basic load ratings N / lbf: dynamic $C_r$ | static $C_{or}$ | Mass kg / lb |
|---|---|---|---|---|---|
| 38.1 | 1.98 | 1.5 | 9 600 | 4 600 | 0.12 |
| 1.500 | 0.078 | 0.059 | 2 160 | 1 030 | 0.24 |
| 38.1 | 1.98 | 1.5 | 9 600 | 4 600 | 0.11 |
| 1.500 | 0.078 | 0.059 | 2 160 | 1 030 | 0.23 / 0.22 |
| 38.1 | 1.98 | 1.5 | 9 600 | 4 600 | 0.10 |
| 1.500 | 0.078 | 0.059 | 2 160 | 1 030 | 0.20 |
| 44.6 | 2.38 | 1.5 | 12 800 | 6 650 | 0.17 |
| 1.756 | 0.094 | 0.059 | 2 890 | 1 500 | 0.33 |
| 49.73 | 2.38 | 1.5 | 14 000 | 7 850 | 0.20 / 0.46 / 0.44 / 0.42 / 0.39 |
| 1.958 | 0.094 | 0.059 | 3 150 | 1 770 | |
| 59.61 | 3.18 | 2.05 | 19 500 | 11 300 | 0.31 / 0.67 / 0.65 / 0.63 / 0.61 |
| 2.347 | 0.125 | 0.081 | 4 400 | 2 540 | |
| 68.81 | 3.18 | 2.05 | 25 700 | 15 300 | 0.49 / 1.18 / 1.05 / 0.93 / 0.81 |
| 2.709 | 0.125 | 0.081 | 5 750 | 3 450 | |
| 76.81 | 3.18 | 2.05 | 29 100 | 17 800 | 0.50 / 1.15 / 1.06 |
| 3.024 | 0.125 | 0.081 | 6 550 | 4 000 | |

## Ball bearings
## Eccentric locking collar type




**UELS···D1N**



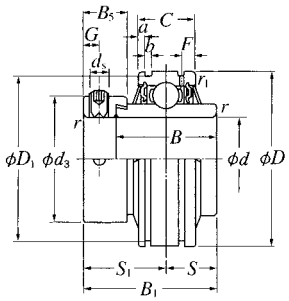
**UELS···D1**

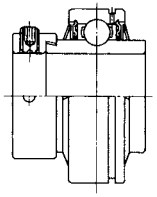
| Shaft dia. mm / inch | Bearing (1) number | Nominal dimensions mm / inch $d$ | $D$ | $B_1$ | $B$ | $C$ | $r$ min. | $r_1$ min. | $S$ | $S_1$ | $G$ |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 20 | UELS204LD1NW3 | 20 | 47 | 43.7 | 34.2 | 17 | 1 | 0.6 | 17.1 | 26.6 | 4.8 |
| 3/4 | UELS204-012LD1NW3 | 0.7500 | 1.8504 | 1.720 | 1.3465 | 0.6693 | 0.039 | 0.024 | 0.673 | 1.047 | 0.189 |
| 25 | UELS205LD1NW3 | 25 | 52 | 44.4 | 34.9 | 17 | 1 | 0.6 | 17.45 | 26.9 | 4.8 |
| 13/16 | UELS205-013LD1NW3 | 0.8125 | | | | | | | | | |
| 7/8 | UELS205-014LD1NW3 | 0.8750 | 2.0472 | 1.748 | 1.3740 | 0.6693 | 0.039 | 0.024 | 0.687 | 1.059 | 0.189 |
| 15/16 | UELS205-015LD1NW3 | 0.9375 | | | | | | | | | |
| 1 | UELS205-100LD1NW3 | 1.0000 | | | | | | | | | |
| 30 | UELS206LD1NW3 | 30 | 62 | 48.4 | 36.5 | 19 | 1 | 1 | 18.25 | 30.1 | 6 |
| 1 1/16 | UELS206-101LD1NW3 | 1.0625 | | | | | | | | | |
| 1 1/8 | UELS206-102LD1NW3 | 1.1250 | 2.4409 | 1.906 | 1.4370 | 0.7480 | 0.039 | 0.039 | 0.719 | 1.185 | 0.236 |
| 1 3/16 | UELS206-103LD1NW3 | 1.1875 | | | | | | | | | |
| 1 1/4 | UELS206-104LD1NW3 | 1.2500 | | | | | | | | | |
| 35 | UELS207LD1NW3 | 35 | 72 | 51.1 | 37.6 | 20 | 1.5 | 1.5 | 18.8 | 32.3 | 6.8 |
| 1 1/4 | UELS207-104LD1NW3 | 1.2500 | | | | | | | | | |
| 1 5/16 | UELS207-105LD1NW3 | 1.3125 | 2.8346 | 2.012 | 1.4803 | 0.7874 | 0.059 | 0.059 | 0.740 | 1.272 | 0.268 |
| 1 3/8 | UELS207-106LD1NW3 | 1.3750 | | | | | | | | | |
| 1 7/16 | UELS207-107LD1NW3 | 1.4375 | | | | | | | | | |
| 40 | UELS208LD1NW3 | 40 | 80 | 56.3 | 42.8 | 21 | 1.5 | 1.5 | 21.4 | 34.9 | 6.8 |
| 1 1/2 | UELS208-108LD1NW3 | 1.5000 | 3.1496 | 2.217 | 1.6850 | 0.8268 | 0.059 | 0.059 | 0.843 | 1.374 | 0.268 |
| 1 9/16 | UELS208-109LD1NW3 | 1.5625 | | | | | | | | | |
| 45 | UELS209LD1NW3 | 45 | 85 | 56.3 | 42.8 | 22 | 1.5 | 1.5 | 21.4 | 34.9 | 6.8 |
| 1 5/8 | UELS209-110LD1NW3 | 1.6250 | | | | | | | | | |
| 1 11/16 | UELS209-111LD1NW3 | 1.6875 | 3.3465 | 2.217 | 1.6850 | 0.8661 | 0.059 | 0.059 | 0.843 | 1.374 | 0.268 |
| 1 3/4 | UELS209-112LD1NW3 | 1.7500 | | | | | | | | | |
| 50 | UCS210LD1NW3 | 50 | 90 | 62.7 | 49.2 | 24 | 1.5 | 1.5 | 24.6 | 38.1 | 6.8 |
| 1 13/16 | UCS210-113LD1NW3 | 1.8125 | | | | | | | | | |
| 1 7/8 | UCS210-114LD1NW3 | 1.8750 | 3.5433 | 2.469 | 1.9370 | 0.9449 | 0.059 | 0.059 | 0.969 | 1.500 | 0.268 |
| 1 15/16 | UCS210-115LD1NW3 | 1.9375 | | | | | | | | | |
| 2 | UCS210-200LD1NW3 | 2.0000 | | | | | | | | | |

**Note** (1) These numbers indicate relubricatable type. If maintenance free type is needed, please order without suffix "D1".

| Nominal dimensions mm / inch $d_s$ | $d_3$ | $B_5$ | $D_1$ | $a$ | $b$ | $F$ | Basic load ratings N / lbf dynamic $C_r$ | static $C_{or}$ | Mass kg / lb |
|---|---|---|---|---|---|---|---|---|---|
| M6×0.75 | 33 | 13.5 | 44.6 | 3.1 | 1.5 | 4 | 12 800 | 6 650 | 0.23 |
| 1/4-28UNF | 1.299 | 0.531 | 1.756 | 0.122 | 0.059 | 0.157 | 2 890 | 1 500 | 0.45 |
| M6×0.75 | 38 | 13.5 | 49.73 | 3.2 | 1.5 | 4.1 | 14 000 | 7 850 | 0.27 |
| | | | | | | | | | 0.61 |
| 1/4-28UNF | 1.496 | 0.531 | 1.958 | 0.126 | 0.059 | 0.161 | 3 150 | 1 770 | 0.58 |
| | | | | | | | | | 0.55 |
| | | | | | | | | | 0.51 |
| M8×1 | 44.5 | 15.9 | 59.61 | 3.2 | 2.05 | 4.2 | 19 500 | 11 300 | 0.41 |
| | | | | | | | | | 0.94 |
| 5/16-24UNF | 1.752 | 0.626 | 2.347 | 0.126 | 0.081 | 0.165 | 4 400 | 2 540 | 0.89 |
| | | | | | | | | | 0.84 |
| | | | | | | | | | 0.80 |
| M10×1.25 | 55.5 | 17.5 | 68.81 | 3.3 | 2.05 | 5 | 25 700 | 15 300 | 0.60 |
| | | | | | | | | | 1.45 |
| 3/8-24UNF | 2.185 | 0.689 | 2.709 | 0.130 | 0.081 | 0.197 | 5 750 | 3 450 | 1.40 |
| | | | | | | | | | 1.35 |
| | | | | | | | | | 1.28 |
| M10×1.25 | 60 | 18.3 | 76.81 | 3.4 | 2.05 | 5 | 29 100 | 17 800 | 0.79 |
| | | | | | | | | | 1.90 |
| 3/8-24UNF | 2.362 | 0.720 | 3.024 | 0.134 | 0.081 | 0.197 | 6 550 | 4 000 | 1.82 |
| M10×1.25 | 63.5 | 18.3 | 81.81 | 3.5 | 2.05 | 5.1 | 32 500 | 20 400 | 0.85 |
| | | | | | | | | | 2.05 |
| 3/8-24UNF | 2.500 | 0.720 | 3.221 | 0.138 | 0.081 | 0.201 | 7 350 | 4 600 | 1.97 |
| | | | | | | | | | 1.88 |
| M10×1.25 | 69.5 | 18.3 | 86.79 | 3.7 | 2.85 | 5.6 | 35 000 | 23 200 | 0.98 |
| | | | | | | | | | 2.46 |
| 3/8-24UNF | 2.736 | 0.720 | 3.417 | 0.146 | 0.112 | 0.220 | 7 900 | 5 200 | 2.36 |
| | | | | | | | | | 2.25 |
| | | | | | | | | | 2.09 |

## Ball bearings
## Eccentric locking collar type



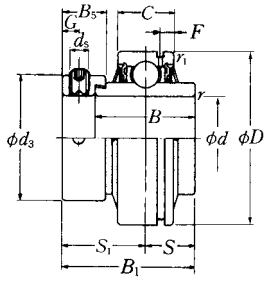
**UELS···D1N** **UELS···D1**

| Shaft dia. mm inch | Bearing (1) number | Nominal dimensions mm inch $d$ | $D$ | $B_1$ | $B$ | $C$ | $r$ min. | $r_1$ min. | $S$ | $S_1$ | $G$ |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 55 | UELS211LD1NW3 | 55 | 100 | 71.4 | 55.5 | 25 | 2 | 2 | 27.75 | 43.6 | 8 |
| 2 | UELS211-200LD1NW3 | 2.0000 | | | | | | | | | |
| $2\frac{1}{16}$ | UELS211-201LD1NW3 | 2.0625 | 3.9370 | 2.811 | 2.1850 | 0.9843 | 0.079 | 0.079 | 1.093 | 1.717 | 0.315 |
| $2\frac{1}{8}$ | UELS211-202LD1NW3 | 2.1250 | | | | | | | | | |
| $2\frac{3}{16}$ | UELS211-203LD1NW3 | 2.1875 | | | | | | | | | |
| 60 | UELS212LD1NW3 | 60 | 110 | 77.8 | 61.9 | 27 | 2 | 2 | 30.95 | 46.8 | 8 |
| $2\frac{1}{4}$ | UELS212-204LD1W3 | 2.2500 | | | | | | | | | |
| $2\frac{5}{16}$ | UELS212-205LD1W3 | 2.3125 | 4.3307 | 3.063 | 2.4370 | 1.0630 | 0.079 | 0.079 | 1.219 | 1.843 | 0.315 |
| $2\frac{3}{8}$ | UELS212-206LD1W3 | 2.3750 | | | | | | | | | |
| $2\frac{7}{16}$ | UELS212-207LD1W3 | 2.4375 | | | | | | | | | |

| Nominal dimensions mm inch $d_s$ | $d_3$ | $B_5$ | $D_1$ | $a$ | $b$ | $F$ | Basic load ratings N lbf dynamic $C_r$ | static $C_{or}$ | Mass kg lb |
|---|---|---|---|---|---|---|---|---|---|
| M10×1.25 | 76 | 20.7 | 96.80 | 4.4 | 2.85 | 5.9 | 43 500 | 29 200 | 1.32 |
| | | | | | | | | | 3.28 |
| $\frac{3}{8}$-24UNF | 2.992 | 0.815 | 3.811 | 0.173 | 0.112 | 0.232 | 9 750 | 6 550 | 3.12 |
| | | | | | | | | | 3.02 |
| | | | | | | | | | 2.90 |
| M10×1.25 | 84 | 22.3 | 106.81 | 4.4 | 2.85 | 6 | 52 500 | 36 000 | 1.93 |
| | | | | | | | | | 4.50 |
| $\frac{3}{8}$-24UNF | 3.307 | 0.878 | 4.205 | 0.173 | 0.112 | 0.236 | 11 800 | 8 150 | 4.34 |
| | | | | | | | | | 4.17 |
| | | | | | | | | | 4.00 |

**Note** (1) These numbers indicate relubricatable type. If maintenance free type is needed, please order without suffix "D1".

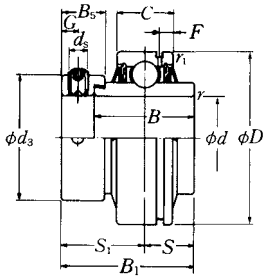
## Ball bearings
## Eccentric locking collar type




| Shaft dia. | Bearing (1) number | Nominal dimensions | | | | | | | | | | | Nominal dimensions | | | Basic load ratings | | Mass | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | mm inch | | | | | | | | | | | mm inch | | | N lbf | | kg lb | |
| mm inch | | $d$ | $D$ | $B_1$ | $B$ | $C$ | $r$ min. | $r_1$ min. | $S$ | $S_1$ | $G$ | $d_s$ | $d_3$ | $B_5$ | $F$ | dynamic $C_r$ | static $C_{or}$ | | |
| 25 | **UELS305D1W3** | 25 | 62 | 46.8 | 34.9 | 20 | 1.5 | 0.6 | 16.7 | 30.1 | 6 | M8×1 | 42.8 | 15.9 | 4.3 | 21 200 | 10 900 | 0.45 | |
| 13/16 | **UELS305-013D1W3** | 0.8125 | | | | | | | | | | | | | | | | 1.13 | |
| 7/8 | **UELS305-014D1W3** | 0.8750 | 2.4409 | 1.843 | 1.3740 | 0.7874 | 0.059 | 0.024 | 0.657 | 1.185 | 0.236 | 5/16-24UNF | 1.685 | 0.626 | 0.169 | 4 750 | 2 460 | 1.09 | |
| 15/16 | **UELS305-015D1W3** | 0.9375 | | | | | | | | | | | | | | | | 1.05 | |
| 1 | **UELS305-100D1W3** | 1.0000 | | | | | | | | | | | | | | | | 1.00 | |
| 30 | **UELS306D1W3** | 30 | 72 | 50 | 36.5 | 23 | 1.5 | 1 | 17.5 | 32.5 | 6.7 | M8×1 | 50 | 17.5 | 5.1 | 26 700 | 15 000 | 0.71 | |
| 1 1/16 | **UELS306-101D1W3** | 1.0625 | | | | | | | | | | | | | | | | 1.62 | |
| 1 1/8 | **UELS306-102D1W3** | 1.1250 | 2.8346 | 1.969 | 1.4370 | 0.9055 | 0.059 | 0.039 | 0.689 | 1.280 | 0.264 | 5/16-24UNF | 1.969 | 0.689 | 0.201 | 6 000 | 3 400 | 1.56 | |
| 1 3/16 | **UELS306-103D1W3** | 1.1875 | | | | | | | | | | | | | | | | 1.50 | |
| 35 | **UELS307D1W3** | 35 | 80 | 51.6 | 38.1 | 25 | 2 | 1 | 18.3 | 33.3 | 6.7 | M8×1 | 55 | 17.5 | 5.3 | 33 500 | 19 100 | 0.83 | |
| 1 1/4 | **UELS307-104D1W3** | 1.2500 | | | | | | | | | | | | | | | | 1.99 | |
| 1 5/16 | **UELS307-105D1W3** | 1.3125 | 3.1496 | 2.031 | 1.5000 | 0.9843 | 0.079 | 0.039 | 0.720 | 1.311 | 0.264 | 5/16-24UNF | 2.165 | 0.689 | 0.209 | 7 500 | 4 300 | 1.91 | |
| 1 3/8 | **UELS307-106D1W3** | 1.3750 | | | | | | | | | | | | | | | | 1.84 | |
| 1 7/16 | **UELS307-107D1W3** | 1.4375 | | | | | | | | | | | | | | | | 1.76 | |
| 40 | **UELS308D1W3** | 40 | 90 | 57.1 | 41.3 | 27 | 2 | 1 | 19.8 | 37.3 | 8 | M10×1.25 | 63.5 | 20.6 | 5.6 | 40 500 | 24 000 | 1.12 | |
| 1 1/2 | **UELS308-108D1W3** | 1.5000 | 3.5433 | 2.248 | 1.6260 | 1.0630 | 0.079 | 0.039 | 0.780 | 1.469 | 0.315 | 3/8-24UNF | 2.500 | 0.811 | 0.220 | 9 150 | 5 400 | 2.67 | |
| 1 9/16 | **UELS308-109D1W3** | 1.5625 | | | | | | | | | | | | | | | | 2.58 | |
| 45 | **UELS309D1W3** | 45 | 100 | 58.7 | 42.9 | 29 | 2 | 1 | 19.8 | 38.9 | 8 | M10×1.25 | 70 | 20.6 | 5.8 | 53 000 | 32 000 | 1.50 | |
| 1 5/8 | **UELS309-110D1W3** | 1.6250 | | | | | | | | | | | | | | | | 3.26 | |
| 1 11/16 | **UELS309-111D1W3** | 1.6875 | 3.9370 | 2.311 | 1.6890 | 1.1417 | 0.079 | 0.039 | 0.780 | 1.531 | 0.315 | 3/8-24UNF | 2.756 | 0.811 | 0.228 | 11 900 | 7 200 | 3.37 | |
| 1 3/4 | **UELS309-112D1W3** | 1.7500 | | | | | | | | | | | | | | | | 3.26 | |
| 50 | **UCS210D1W3** | 50 | 110 | 66.6 | 49.2 | 32 | 2.5 | 1.5 | 24.6 | 42 | 8.7 | M10×1.25 | 76.2 | 22.2 | 6.3 | 62 000 | 38 500 | 1.93 | |
| 1 13/16 | **UCS210-113D1W3** | 1.8125 | | | | | | | | | | | | | | | | 4.55 | |
| 1 7/8 | **UCS210-114D1W3** | 1.8750 | 4.3307 | 2.622 | 1.9370 | 1.2598 | 0.098 | 0.059 | 0.969 | 1.654 | 0.343 | 3/8-24UNF | 3.000 | 0.874 | 0.248 | 13 900 | 8 600 | 4.44 | |
| 1 15/16 | **UCS210-115D1W3** | 1.9375 | | | | | | | | | | | | | | | | 4.30 | |
| 55 | **UELS311D1W3** | 55 | 120 | 73 | 55.6 | 34 | 2.5 | 1.5 | 27.8 | 45.2 | 8.7 | M10×1.25 | 83 | 22.2 | 6.5 | 71 500 | 45 000 | 2.42 | |
| 2 | **UELS311-200D1W3** | 2.0000 | | | | | | | | | | | | | | | | 5.76 | |
| 2 1/16 | **UELS311-201D1W3** | 2.0625 | 4.7244 | 2.874 | 2.1890 | 1.3386 | 0.098 | 0.059 | 1.094 | 1.780 | 0.343 | 3/8-24UNF | 3.268 | 0.874 | 0.256 | 16 100 | 10 100 | 5.57 | |
| 2 1/8 | **UELS311-202D1W3** | 2.1250 | | | | | | | | | | | | | | | | 5.43 | |
| 2 3/16 | **UELS311-203D1W3** | 2.1875 | | | | | | | | | | | | | | | | 5.26 | |

**Note** (1) These numbers indicate relubricatable type. If maintenance free type is needed, please order without suffix "D1".

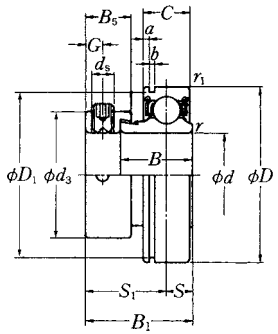
## Ball bearings
## Eccentric locking collar type




| Shaft dia. | Bearing (1) number | Nominal dimensions | | | | | | | | | | | Nominal dimensions | | | Basic load ratings | | Mass |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | mm inch | | | | | | | | | | | mm inch | | | N lbf | | kg lb |
| mm inch | | $d$ | $D$ | $B_1$ | $B$ | $C$ | $r$ min. | $r_1$ min. | $S$ | $S_1$ | $G$ | $d_s$ | $d_3$ | $B_5$ | $F$ | dynamic $C_r$ | static $C_{or}$ | |
| 60 | **UELS312D1W3** | 60 | 130 | 79.4 | 61.9 | 36 | 2.5 | 1.5 | 30.95 | 48.45 | 8.7 | M10×1.25 | 89 | 23.9 | 6.7 | 82 000 | 52 000 | 3.04 |
| 2 1/4 | **UELS312-204D1W3** | 2.2500 | | | | | | | | | | | | | | | | 7.01 |
| 2 5/16 | **UELS312-205D1W3** | 2.3125 | | | | | | | | | | | | | | | | 6.86 |
| 2 3/8 | **UELS312-206D1W3** | 2.3750 | 5.1181 | 3.126 | 2.4370 | 1.4173 | 0.098 | 0.059 | 1.219 | 1.907 | 0.343 | 3/8-24UNF | 3.504 | 0.941 | 0.264 | 18 400 | 11 700 | 6.69 |
| 2 7/16 | **UELS312-207D1W3** | 2.4375 | | | | | | | | | | | | | | | | 6.40 |
| 65 | **UELS313D1W3** | 65 | 140 | 85.7 | 65.1 | 39 | 2.5 | 2 | 32.55 | 53.15 | 10.3 | M12×1.5 | 97 | 27 | 7.5 | 92 500 | 60 000 | 3.79 |
| 2 1/2 | **UELS313-208D1W3** | 2.5000 | 5.5118 | 3.374 | 2.5630 | 1.5354 | 0.098 | 0.079 | 1.281 | 2.093 | 0.406 | 1/2-20UNF | 3.819 | 1.063 | 0.295 | 20 800 | 13 400 | 8.76 |
| 2 9/16 | **UELS313-209D1W3** | 2.5625 | | | | | | | | | | | | | | | | 8.55 |
| 70 | **UELS314D1W3** | 70 | 150 | 92.1 | 68.3 | 41 | 2.5 | 2 | 34.15 | 57.95 | 10.3 | M12×1.5 | 102 | 30.2 | 7.5 | 104 000 | 68 000 | 4.54 |
| 2 5/8 | **UELS314-210D1W3** | 2.6250 | | | | | | | | | | | | | | | | 10.7 |
| 2 11/16 | **UELS314-211D1W3** | 2.6875 | 5.9055 | 3.626 | 2.6890 | 1.6142 | 0.098 | 0.079 | 1.344 | 2.281 | 0.406 | 1/2-20UNF | 4.016 | 1.189 | 0.295 | 23 400 | 15 300 | 10.5 |
| 2 3/4 | **UELS314-212D1W3** | 2.7500 | | | | | | | | | | | | | | | | 10.2 |
| 75 | **UELS315D1W3** | 75 | 160 | 100 | 74.6 | 43 | 2.5 | 2 | 37.3 | 62.7 | 12.7 | M16×1.5 | 113 | 31.8 | 7.7 | 113 000 | 77 000 | 5.50 |
| 2 13/16 | **UELS315-213D1W3** | 2.8125 | | | | | | | | | | | | | | | | 13.5 |
| 2 7/8 | **UELS315-214D1W3** | 2.8750 | 6.2992 | 3.937 | 2.9370 | 1.6929 | 0.098 | 0.079 | 1.469 | 2.469 | 0.500 | 5/8-18UNF | 4.449 | 1.252 | 0.303 | 25 500 | 17 400 | 13.2 |
| 2 15/16 | **UELS315-215D1W3** | 2.9375 | | | | | | | | | | | | | | | | 13.0 |
| 3 | **UELS315-300D1W3** | 3.0000 | | | | | | | | | | | | | | | | 12.9 |
| 80 | **UELS316D1W3** | 80 | 170 | 106.4 | 81 | 45 | 2.5 | 2 | 40.5 | 65.9 | 12.7 | M16×1.5 | 119 | 31.8 | 7.8 | 123 000 | 86 500 | 6.89 |
| 3 1/16 | **UELS316-301D1W3** | 3.0625 | | | | | | | | | | | | | | | | 15.3 |
| 3 1/8 | **UELS316-302D1W3** | 3.1250 | 6.6929 | 4.189 | 3.1890 | 1.7717 | 0.098 | 0.079 | 1.594 | 2.594 | 0.500 | 5/8-18UNF | 4.685 | 1.252 | 0.307 | 27 600 | 19 500 | 15.0 |
| 3 3/16 | **UELS316-303D1W3** | 3.1875 | | | | | | | | | | | | | | | | 15.3 |
| 85 | **UELS317D1W3** | 85 | 180 | 109.5 | 84.1 | 47 | 3 | 2.5 | 42.05 | 67.45 | 12.7 | M16×1.5 | 127 | 31.8 | 8.2 | 133 000 | 97 000 | 8.21 |
| 3 1/4 | **UELS317-304D1W3** | 3.2500 | | | | | | | | | | | | | | | | 18.2 |
| 3 5/16 | **UELS317-305D1W3** | 3.3125 | 7.0866 | 4.311 | 3.3110 | 1.8504 | 0.118 | 0.098 | 1.656 | 2.656 | 0.500 | 5/8-18UNF | 5.000 | 1.252 | 0.323 | 29 800 | 21 800 | 17.9 |
| 3 7/16 | **UELS317-307D1W3** | 3.4375 | | | | | | | | | | | | | | | | 17.2 |
| 90 | **UELS318D1W3** | 90 | 190 | 115.9 | 87.3 | 49 | 3 | 2.5 | 43.65 | 72.25 | 14.3 | M20×1.5 | 133 | 36.5 | 8.5 | 143 000 | 107 000 | 9.34 |
| 3 7/16 | **UELS318-307D1W3** | 3.4375 | 7.4803 | 4.563 | 3.4370 | 1.9291 | 0.118 | 0.098 | 1.719 | 2.844 | 0.563 | 3/4-16UNF | 5.236 | 1.437 | 0.335 | 32 000 | 24 100 | 21.2 |
| 3 1/2 | **UELS318-308D1W3** | 3.5000 | | | | | | | | | | | | | | | | 20.7 |

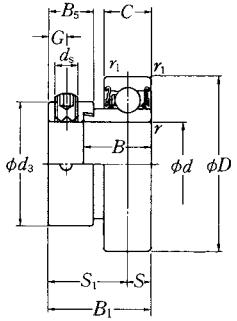
**Note** (1) These numbers indicate relubricatable type. If maintenance free type is needed, please order without suffix "D1".

## Ball bearings
## Eccentric locking collar type




| Shaft dia. | Bearing number | Nominal dimensions | | | | | | | | | | | Nominal dimensions | | | | | Basic load ratings | | Mass | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | mm inch | | | | | | | | | | | mm inch | | | | | N lbf | | kg lb | |
| mm inch | | $d$ | $D$ | $B_1$ | $B$ | $C$ | $r$ min. | $r_1$ min. | $S$ | $S_1$ | $G$ | $d_s$ | $d_3$ | $D_1$ | $a$ | $b$ | $B_5$ | dynamic $C_r$ | static $C_{or}$ | | |
| 12 | **AELS201NW3** | 12 | 40 | 28.6 | 19 | 12 | 0.6 | 0.6 | 6.5 | 22.1 | 4.8 | M6×0.75 | 29 | 38.1 | 1.98 | 1.5 | 13.6 | 9 600 | 4 600 | 0.12 | |
| 1/2 | **AELS201-008NW3** | 0.5000 | 1.5748 | 1.126 | 0.7480 | 0.4724 | 0.024 | 0.024 | 0.256 | 0.870 | 0.189 | 1/4-28UNF | 1.142 | 1.500 | 0.078 | 0.059 | 0.535 | 2 160 | 1 030 | 0.26 | |
| 15 | **AELS202NW3** | 15 | 40 | 28.6 | 19 | 12 | 0.6 | 0.6 | 6.5 | 22.1 | 4.8 | M6×0.75 | 29 | 38.1 | 1.98 | 1.5 | 13.6 | 9 600 | 4 600 | 0.11 | |
| 9/16 | **AELS202-009NW3** | 0.5625 | | | | | | | | | | | | | | | | | | 0.26 | |
| 5/8 | **AELS202-010NW3** | 0.6250 | 1.5748 | 1.126 | 0.7480 | 0.4724 | 0.024 | 0.024 | 0.256 | 0.870 | 0.189 | 1/4-28UNF | 1.142 | 1.500 | 0.078 | 0.059 | 0.535 | 2 160 | 1 030 | 0.24 | |
| 17 | **AELS203NW3** | 17 | 40 | 28.6 | 19 | 12 | 0.6 | 0.6 | 6.5 | 22.1 | 4.8 | M6×0.75 | 29 | 38.1 | 1.98 | 1.5 | 13.6 | 9 600 | 4 600 | 0.10 | |
| 11/16 | **AELS203-011NW3** | 0.6875 | 1.5748 | 1.126 | 0.7480 | 0.4724 | 0.024 | 0.024 | 0.256 | 0.870 | 0.189 | 1/4-28UNF | 1.142 | 1.500 | 0.078 | 0.059 | 0.535 | 2 160 | 1 030 | 0.23 | |
| 20 | **AELS204NW3** | 20 | 47 | 31 | 21.5 | 14 | 1 | 0.6 | 7.5 | 23.5 | 4.8 | M6×0.75 | 33 | 44.6 | 2.38 | 1.5 | 13.5 | 12 800 | 6 650 | 0.17 | |
| 3/4 | **AELS204-012NW3** | 0.7500 | 1.8504 | 1.220 | 0.8465 | 0.5512 | 0.039 | 0.024 | 0.295 | 0.925 | 0.189 | 1/4-28UNF | 1.299 | 1.756 | 0.094 | 0.059 | 0.531 | 2 890 | 1 500 | 0.35 | |
| 25 | **AELS205NW3** | 25 | 52 | 31 | 21.5 | 15 | 1 | 0.6 | 7.5 | 23.5 | 4.8 | M6×0.75 | 38 | 49.73 | 2.38 | 1.5 | 13.5 | 14 000 | 7 850 | 0.20 | |
| 13/16 | **AELS205-013NW3** | 0.8125 | | | | | | | | | | | | | | | | | | 0.51 | |
| 7/8 | **AELS205-014NW3** | 0.8750 | | | | | | | | | | | | | | | | | | 0.48 | |
| 15/16 | **AELS205-015NW3** | 0.9375 | 2.0472 | 1.220 | 0.8465 | 0.5906 | 0.039 | 0.024 | 0.295 | 0.925 | 0.189 | 1/4-28UNF | 1.496 | 1.958 | 0.094 | 0.059 | 0.531 | 3 150 | 1 770 | 0.45 | |
| 1 | **AELS205-100NW3** | 1.0000 | | | | | | | | | | | | | | | | | | 0.42 | |
| 30 | **AELS206NW3** | 30 | 62 | 35.7 | 23.8 | 16 | 1 | 0.6 | 9 | 26.7 | 6 | M8×1 | 44.5 | 59.61 | 3.18 | 2.05 | 15.9 | 19 500 | 11 300 | 0.31 | |
| 1 1/16 | **AELS206-101NW3** | 1.0625 | | | | | | | | | | | | | | | | | | 0.74 | |
| 1 1/8 | **AELS206-102NW3** | 1.1250 | | | | | | | | | | | | | | | | | | 0.73 | |
| 1 3/16 | **AELS206-103NW3** | 1.1875 | 2.4409 | 1.406 | 0.9370 | 0.6299 | 0.039 | 0.024 | 0.354 | 1.051 | 0.236 | 5/16-24UNF | 1.752 | 2.347 | 0.125 | 0.081 | 0.626 | 4 400 | 2 540 | 0.66 | |
| 1 1/4 | **AELS206-104NW3** | 1.2500 | | | | | | | | | | | | | | | | | | 0.61 | |
| 35 | **AELS207NW3** | 35 | 72 | 38.9 | 25.4 | 17 | 1.5 | 0.6 | 9.5 | 29.4 | 6.8 | M10×1.25 | 55.5 | 68.81 | 3.18 | 2.05 | 17.5 | 25 700 | 15 300 | 0.49 | |
| 1 1/4 | **AELS207-104NW3** | 1.2500 | | | | | | | | | | | | | | | | | | 1.15 | |
| 1 5/16 | **AELS207-105NW3** | 1.3125 | | | | | | | | | | | | | | | | | | 1.10 | |
| 1 3/8 | **AELS207-106NW3** | 1.3750 | 2.8346 | 1.531 | 1.0000 | 0.6693 | 0.059 | 0.024 | 0.374 | 1.157 | 0.268 | 3/8-24UNF | 2.185 | 2.709 | 0.125 | 0.081 | 0.689 | 5 750 | 3 450 | 1.04 | |
| 1 7/16 | **AELS207-107NW3** | 1.4375 | | | | | | | | | | | | | | | | | | 0.98 | |
| 40 | **AELS208NW3** | 40 | 80 | 43.7 | 30.2 | 18 | 1.5 | 0.6 | 11 | 32.7 | 6.8 | M10×1.25 | 60 | 76.81 | 3.18 | 2.05 | 18.3 | 29 100 | 17 800 | 0.66 | |
| 1 1/2 | **AELS208-108NW3** | 1.5000 | | | | | | | | | | | | | | | | | | 1.41 | |
| 1 9/16 | **AELS208-109NW3** | 1.5625 | 3.1496 | 1.720 | 1.1890 | 0.7087 | 0.059 | 0.024 | 0.433 | 1.287 | 0.268 | 3/8-24UNF | 2.362 | 3.024 | 0.125 | 0.081 | 0.720 | 6 550 | 4 000 | 1.34 | |

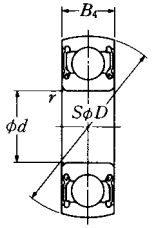
## Ball bearings
## Eccentric locking collar type




| Shaft dia. mm / inch | Bearing number | Nominal dimensions mm / inch $d$ | $D$ | $B_1$ | $B$ | $C$ | $r$ min. | $r_1$ min. | $S$ | $S_1$ | $G$ | $d_s$ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 12 | **JELS201W3** | 12 | 40 | 28.6 | 19 | 13 | 0.6 | 0.4 | 6.5 | 22.1 | 4.8 | M6×0.75 |
| 1/2 | **JELS201-008W3** | 0.5000 | 1.5748 | 1.126 | 0.7480 | 0.5118 | 0.024 | 0.016 | 0.256 | 0.870 | 0.189 | 1/4-28UNF |
| 15 | **JELS202W3** | 15 | 40 | 28.6 | 19 | 13 | 0.6 | 0.4 | 6.5 | 22.1 | 4.8 | M6×0.75 |
| 9/16 | **JELS202-009W3** | 0.5625 | | | | | | | | | | |
| 5/8 | **JELS202-010W3** | 0.6250 | 1.5748 | 1.126 | 0.7480 | 0.5118 | 0.024 | 0.016 | 0.256 | 0.870 | 0.189 | 1/4-28UNF |
| 17 | **JELS203W3** | 17 | 40 | 28.6 | 19 | 13 | 0.6 | 0.4 | 6.5 | 22.1 | 4.8 | M6×0.75 |
| 11/16 | **JELS203-011W3** | 0.6875 | 1.5748 | 1.126 | 0.7480 | 0.5118 | 0.024 | 0.016 | 0.256 | 0.870 | 0.189 | 1/4-28UNF |
| 20 | **JELS204W3** | 20 | 47 | 31 | 21.5 | 15 | 1 | 0.6 | 7.5 | 23.5 | 4.8 | M6×0.75 |
| 3/4 | **JELS204-012W3** | 0.7500 | 1.8504 | 1.220 | 0.8465 | 0.5906 | 0.039 | 0.024 | 0.295 | 0.925 | 0.189 | 1/4-28UNF |
| 25 | **JELS205W3** | 25 | 52 | 31 | 21.5 | 15 | 1 | 0.6 | 7.5 | 23.5 | 4.8 | M6×0.75 |
| 13/16 | **JELS205-013W3** | 0.8125 | | | | | | | | | | |
| 7/8 | **JELS205-014W3** | 0.8750 | | | | | | | | | | |
| 15/16 | **JELS205-015W3** | 0.9375 | 2.0472 | 1.220 | 0.8465 | 0.5906 | 0.039 | 0.024 | 0.295 | 0.925 | 0.189 | 1/4-28UNF |
| 1 | **JELS205-100W3** | 1.0000 | | | | | | | | | | |
| 30 | **JELS206W3** | 30 | 62 | 35.7 | 23.8 | 18 | 1 | 1 | 9 | 26.7 | 6 | M8×1 |
| 1 1/16 | **JELS206-101W3** | 1.0625 | | | | | | | | | | |
| 1 1/8 | **JELS206-102W3** | 1.1250 | | | | | | | | | | |
| 1 3/16 | **JELS206-103W3** | 1.1875 | 2.4409 | 1.406 | 0.9370 | 0.7087 | 0.039 | 0.039 | 0.354 | 1.051 | 0.236 | 5/16-24UNF |
| 1 1/4 | **JELS206-104W3** | 1.2500 | | | | | | | | | | |
| 35 | **JELS207W3** | 35 | 72 | 38.9 | 25.4 | 19 | 1.5 | 1.5 | 9.5 | 29.4 | 6.8 | M10×1.25 |
| 1 1/4 | **JELS207-104W3** | 1.2500 | | | | | | | | | | |
| 1 5/16 | **JELS207-105W3** | 1.3125 | | | | | | | | | | |
| 1 3/8 | **JELS207-106W3** | 1.3750 | 2.8346 | 1.531 | 1.0000 | 0.7480 | 0.059 | 0.059 | 0.374 | 1.157 | 0.268 | 3/8-24UNF |
| 1 7/16 | **JELS207-107W3** | 1.4375 | | | | | | | | | | |
| 40 | **JELS208W3** | 40 | 80 | 43.7 | 30.2 | 22 | 1.5 | 1.5 | 11 | 32.7 | 6.8 | M10×1.25 |
| 1 1/2 | **JELS208-108W3** | 1.5000 | | | | | | | | | | |
| 1 9/16 | **JELS208-109W3** | 1.5625 | 3.1496 | 1.720 | 1.1890 | 0.8661 | 0.059 | 0.059 | 0.433 | 1.287 | 0.268 | 3/8-24UNF |

| Nominal dimensions mm / inch $d_3$ | $B_5$ | Basic load ratings N / lbf dynamic $C_r$ | static $C_{or}$ | Mass kg / lb |
|---|---|---|---|---|
| 29 | 13.6 | 9 600 | 4 600 | 0.13 |
| 1.142 | 0.535 | 2 160 | 1 030 | 0.26 |
| 29 | 13.6 | 9 600 | 4 600 | 0.13 |
| 1.142 | 0.535 | 2 160 | 1 030 | 0.26 / 0.24 |
| 29 | 13.6 | 9 600 | 4 600 | 0.10 |
| 1.142 | 0.535 | 2 160 | 1 030 | 0.22 |
| 33 | 13.5 | 12 800 | 6 650 | 0.18 |
| 1.299 | 0.531 | 2 890 | 1 500 | 0.42 |
| 38 | 13.5 | 14 000 | 7 850 | 0.20 |
| | | | | 0.54 |
| | | | | 0.51 |
| 1.496 | 0.531 | 3 150 | 1 770 | 0.48 |
| | | | | 0.44 |
| 44.5 | 15.9 | 19 500 | 11 300 | 0.34 |
| | | | | 0.84 |
| | | | | 0.79 |
| 1.752 | 0.626 | 4 400 | 2 540 | 0.75 |
| | | | | 0.70 |
| 55.5 | 17.5 | 25 700 | 15 300 | 0.53 |
| | | | | 1.29 |
| | | | | 1.24 |
| 2.185 | 0.689 | 5 750 | 3 450 | 1.18 |
| | | | | 1.12 |
| 60 | 18.3 | 29 100 | 17 800 | 0.71 |
| | | | | 1.64 |
| 2.362 | 0.720 | 6 550 | 4 000 | 1.57 |

## Ball bearings




| Shaft dia. mm | Bearing number | Nominal dimensions mm inch $d$ | $D$ | $B_4$ | $r$ min. | Basic load ratings N lbf dynamic $C_r$ | static $C_{or}$ | Mass kg lb |
|---|---|---|---|---|---|---|---|---|
| 10 | CS200LLU | 10<br>0.3937 | 30<br>1.1811 | 9<br>0.3543 | 0.6<br>0.024 | 5 100<br>1 150 | 2 390<br>540 | 0.03<br>0.07 |
| 12 | CS201LLU | 12<br>0.4724 | 32<br>1.2598 | 10<br>0.3937 | 0.6<br>0.024 | 6 100<br>1 370 | 2 750<br>615 | 0.04<br>0.09 |
| 15 | CS202LLU | 15<br>0.5906 | 35<br>1.3780 | 11<br>0.4331 | 0.6<br>0.024 | 7 750<br>1 740 | 3 600<br>805 | 0.04<br>0.09 |
| 17 | CS203LLU | 17<br>0.6693 | 40<br>1.5748 | 12<br>0.4724 | 0.6<br>0.024 | 9 600<br>2 160 | 4 600<br>1 030 | 0.06<br>0.13 |
| 20 | CS204LLU | 20<br>0.7874 | 47<br>1.8504 | 14<br>0.5512 | 1<br>0.039 | 12 800<br>2 890 | 6 650<br>1 500 | 0.10<br>0.22 |
| 25 | CS205LLU | 25<br>0.9843 | 52<br>2.0472 | 15<br>0.5906 | 1<br>0.039 | 14 000<br>3 150 | 7 850<br>1 770 | 0.13<br>0.29 |
| 30 | CS206LLU | 30<br>1.1811 | 62<br>2.4409 | 16<br>0.6299 | 1<br>0.039 | 19 500<br>4 400 | 11 300<br>2 540 | 0.20<br>0.44 |
| 35 | CS207LLU | 35<br>1.3780 | 72<br>2.8346 | 17<br>0.6693 | 1.5<br>0.059 | 25 700<br>5 750 | 15 300<br>3 450 | 0.29<br>0.64 |
| 40 | CS208LLU | 40<br>1.5748 | 80<br>3.1496 | 18<br>0.7087 | 1.5<br>0.059 | 29 100<br>6 550 | 17 800<br>4 000 | 0.37<br>0.82 |

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