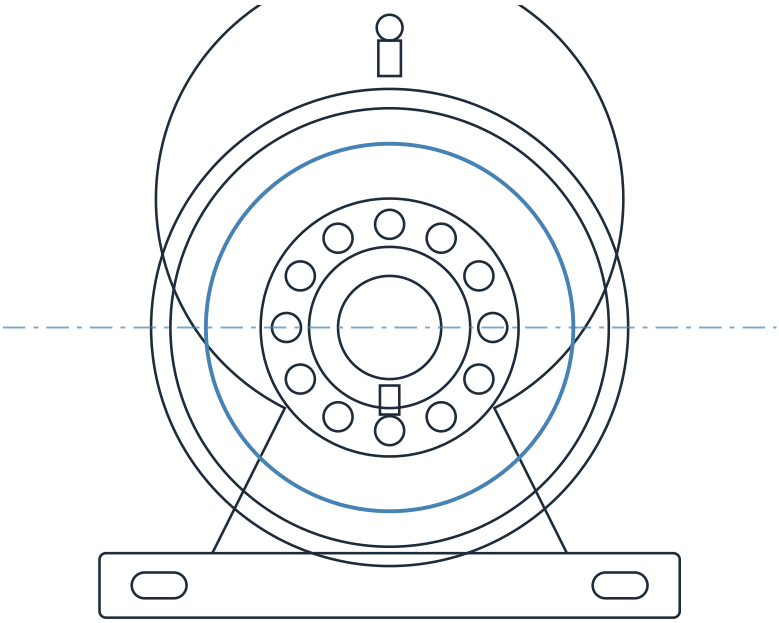


TIMKEN

# TIMKEN

## U Series Ball Bearing Housed Unit Catalog

## کاتالوگ یاتاقان سری U تیمکن (TIMKEN)

استعلام قیمت و خرید یاتاقان TIMKEN ←

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TIMKEN




# TIMKEN® U SERIES BALL BEARING HOUSED UNIT CATALOG

## ABOUT THE TIMKEN COMPANY

As a global leader in bearings and power transmission systems, Timken focuses on precise solution design, materials and craftsmanship to deliver reliable and efficient performance that improves productivity and uptime. Timken offers a full range of bearings, belts, chains, couplings, gears and lubricants, along with rebuild and repair services. Timken (NYSE; TKR; wwwtimken.com) applies its proven expertise in metallurgy, tribology and mechanical power transmission to create innovative approaches to customers' complex needs. Global availability of products and engineering talent, combined with exceptional service delivery across markets, makes Timken a preferred choice worldwide.

To view more Timken catalogs, go to **www.timken.com/catalogs** for interactive versions, or to download our catalog app to your smart phone or mobile device.



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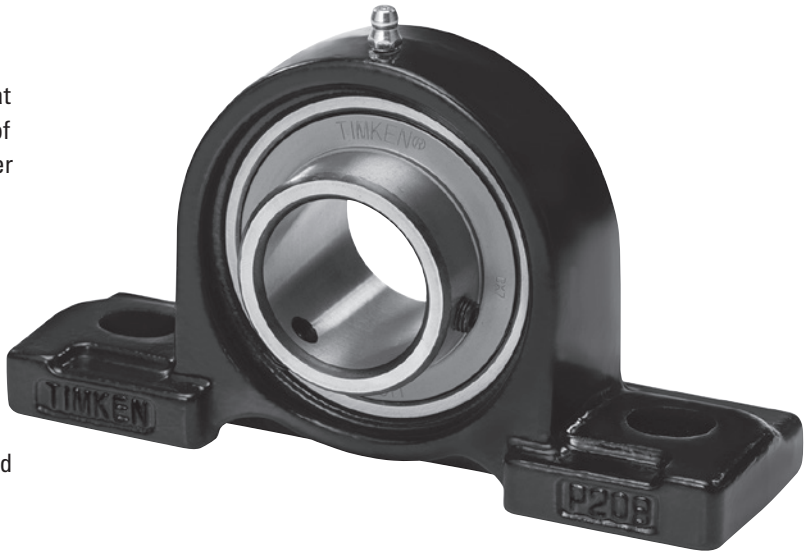
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# *TIMKEN® U SERIES BALL BEARING HOUSED UNITS - DESIGNED FOR OPTIMIZED PERFORMANCE*

For more than 110 years, Timken innovations continue to keep the world in motion, including the invention of the wide inner ring bearing and the ball bearing housed unit. We continue that innovation by applying our extensive engineering knowledge of bearings, metallurgy, seals and end-user applications to deliver optimized performance from our housed unit product line.




Timken ball bearing housed units help improve efficiencies through:

## Increased equipment uptime and reduced maintenance cost.

- Bearings with spherical outer rings and precision-machined cast-iron housings help prevent outer-ring rotation.
- Bearings withstand static misalignment of the shaft of +/– 3 degrees.
- Designed for normal operation between –20° C and 100° C (-4° F and 212° F).
- Wide inner ring ball bearings deliver greater shaft support.
- High-strength housings are suited for most industrial applications.
- Bearings are prelubricated and ready for immediate installation.
- Timken knowledge and support come standard.

## Robust sealing designed for the most demanding environments.

- Highly engineered sealing provides extended bearing life and reduced lubrication leakage.
- Bonded seal design with a steel flinger adds additional bearing protection.
- Effective grease retention and reduced debris and moisture ingress improve bearing performance.

## Wide range of ready-to-mount units.

- Five different housing designs plus replacement inserts are offered in metric and imperial sizes.
- Set screw locking, tapered bore for use with adapter sleeve and eccentric locking collar design allow for easy installation.
- Extensive range of sizes meets the needs of a wide range of applications.
- Interchangeable without modification in many applications.
- Local in-stock availability ensures the service levels you expect.

Timken supports your job sites with a team of service engineers available around the world. Their services help extend maintenance cycles and maximize uptime.

Timken is your single-source for friction management, with a full range of bearings and related accessories including greases, seals, tools, training and repair services.

## *HOW TO USE THIS CATALOG*

We designed this catalog to help you find the Timken bearings best suited to your equipment needs and specifications.

The product tables list many of the bearing types that are specifically used in thrust positions. For other bearing types, please refer to the respective Timken product catalog reference.

Timken offers an extensive range of bearings and accessories in both imperial and metric sizes. For your convenience, size ranges are indicated in millimeters and inches. Contact your Timken engineer to learn more about our complete line for the special needs of your application.

This publication contains dimensions, tolerances and load ratings, as well as engineering sections describing mounting and fitting practices for shafts and housings, internal clearances, materials and other bearing features. It provides valuable assistance in the initial consideration of the type and characteristics of the bearings that may best suit your particular needs.

ISO, as used in this publication, refers to the International Organization for Standardization and JIS refers to the Japanese Industrial Standards.

**Updates are made periodically to this catalog.**
**Visit www.timken.com/catalogs for the most recent version of the Timken® U Series Ball Bearing Housed Unit Catalog.**



# *SHELF LIFE AND STORAGE OF GREASE-LUBRICATED BEARINGS AND COMPONENTS*

To help you get the most value from our products, Timken provides guidelines for the shelf life of grease-lubricated ball and roller bearings, components and assemblies. Shelf life information is based on Timken and industry test data and experience.

## SHELF LIFE

Shelf life should be distinguished from lubricated bearing/component design life as follows:

Shelf life of the grease-lubricated bearing/component represents the period of time prior to use or installation.

The shelf life is a portion of the anticipated aggregate design life. It is impossible to accurately predict design life due to variations in lubricant bleed rates, oil migration, operating conditions, installation conditions, temperature, humidity and extended storage.

**TIMKEN IS NOT RESPONSIBLE FOR THE SHELF LIFE OF ANY BEARING/COMPONENT LUBRICATED BY ANOTHER PARTY.**

### European REACH compliance

Timken lubricants, greases and similar products sold in standalone containers or delivery systems are subject to the European REACH (Registration, Evaluation, Authorization and Restriction of Chemicals) directive. For import into the European Union, Timken can sell and provide only those lubricants and greases that are registered with ECHA (European Chemical Agency). For further information, please contact your Timken engineer.

## STORAGE

Timken suggests the following storage guidelines for our finished products (bearings, components and assemblies, referred to as “products”):

- Unless directed otherwise by Timken, products should be kept in their original packaging until they are ready to be placed into service.
- Do not remove or alter any labels or stencil markings on the packaging.
- Products should be stored in such a way that the packaging is not pierced, crushed or otherwise damaged.
- After a product is removed from its packaging, it should be placed into service as soon as possible.
- When removing a product that is not individually packaged from a bulk pack container, the container should be resealed immediately after the product is removed.
- The storage area temperature should be maintained between 0° C (32° F) and 40° C (104° F); temperature fluctuations should be minimized.
- The relative humidity should be maintained below 60 percent and the surfaces should be dry.
- The storage area should be kept free from airborne contaminants such as, but not limited to, dust, dirt, harmful vapors, etc.
- The storage area should be isolated from undue vibration.
- Extreme conditions of any kind should be avoided.

Due to the fact that Timken is not familiar with your particular storage conditions, we strongly suggest following these guidelines. However, you may be required by circumstances or applicable government requirements to adhere to stricter storage requirements.

Most bearing components typically ship protected with a corrosion-preventive compound that is not a lubricant. These components may be used in oil-lubricated applications without removal of the corrosion-preventive compound. When using some specialized grease lubrications, we advise you to remove the corrosion-preventive compound before packing the bearing components with suitable grease.

Be careful in selecting lubrication, however, since different lubricants are often incompatible.

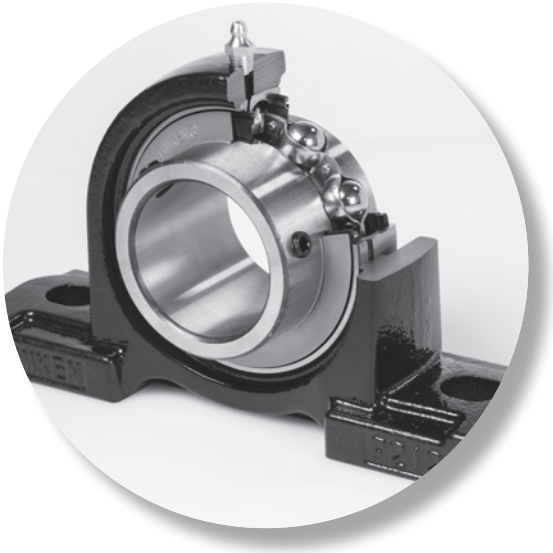
When you receive a bearing shipment, do not remove products from their packaging until they are ready for mounting so they do not become corroded or contaminated.

Store bearings and bearing housings in an appropriate atmosphere so they remain protected for the intended period.

# *ENGINEERING*

The following topics are covered within this section:

Housing Styles . . . . . 6
Nomenclature. . . . . 7
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# *HOUSING STYLES*

Timken offers you the full range of standard and heavy series ball bearing housed units with set screw locking (UC), tapered bore for use with adapter sleeve (UK) and eccentric locking collar (UEL) mechanisms in metric and imperial sizes:



## PILLOW BLOCK UNITS

UCP – 12 mm to 140 mm (½ in. to 4 in.)
UELP – 12 mm to 75 mm (½ in. to 3 in.)
UKP – 20 mm to 80 mm (¾ in. to 3 in.)



## FOUR-BOLT FLANGED UNITS

UCF – 12 mm to 140 mm (½ in. to 4 in.)
UELF – 12 mm to 75 mm (½ in. to 3 in.)
UKF – 20 mm to 80 mm (¾ in. to 3 in.)



## TWO-BOLT FLANGED UNITS

UCFL – 12 mm to 130 mm (½ in. to 4 in.)
UELFL – 12 mm to 75 mm (½ in. to 3 in.)
UKFL – 20 mm to 80 mm (¾ in. to 3 in.)



## PILOTED ROUND FLANGED UNITS

UCFC – 12 mm to 90 mm (½ in. to 3½ in.)
UELFC – 12 mm to 75 mm (½ in. to 3 in.)
UKFC – 20 mm to 80 mm (¾ in. to 3 in.)



## TAKE-UP UNITS

UCT – 12 mm to 140 mm (½ in. to 4 in.)
UELT – 12 mm to 75 mm (½ in. to 3 in.)
UKT – 20 mm to 75 mm (¾ in. to 3 in.)



## WIDE INNER RING BALL BEARINGS

UC – 12 mm to 140 mm (½ in. to 4 in.)
UEL – 12 mm to 75 mm (½ in. to 3 in.)
UK – 20 mm to 80 mm (¾ in. to 3 in.)



## TAPPED BASE PILLOW BLOCK UNITS

UCPA – 12mm to 50mm (½ in. to 2 in.)
UELPA – 12mm to 50mm (½ in. to 2 in.)
UKPA – 20mm to 45mm (¾ in. to 1¾ in.)
UCPW – 25mm to 40mm
UELPW – 25mm to 40mm

# *NOMENCLATURE*
# CONFIGURATIONS TO MEET YOUR NEEDS

## BALL HOUSED UNITS
Standard and heavy series – wide inner ring, set screw, tapered bore for use with adapter sleeve and eccentric locking collar mechanisms.

## HOUSING TYPES
Pillow block, two-bolt flange, four-bolt flange, piloted round flange and take-up, tapped base pillow block.

## METRIC BORE SIZES
12 mm – 140 mm

## INCH BORE SIZES
½ in. – 4 in.

**UC P 2 05 - 16**

**Bearing Insert Code**
UC – Set screw locking mechanism
UEL – Eccentric lockingcollar
UK – Tapered bore for use with adapter sleeve

**Housing Code**
P – Pillow block unit
F – Four-bolt flange unit
PA – Tapped base pillow block unit
PW – Y Series tapped base pillow block unit
FL – Two-bolt flanged unit
T – Take-up unit
FC – Piloted round flanged unit

**Series Code**
2 – standard industrial series
3 – heavy-duty series

**Metric Bore Diameter Code For Cylindrical Bore** (1)
01 – Nominal bore diameter = 12 mm
02 – Nominal bore diameter = 15 mm
03 – Nominal bore diameter = 17 mm
04 or higher – Bore diameter (mm) = bore diameter code x 5
(1)For adapter UK style - refer to catalog tables for shaft diameter.

*Example:*
UCF201 = 12 mm bore (Four-bolt flanged unit)
UELP211 = 55 mm bore (Pillow block unit)

**Inch Diameter Code**
-8 or higher – Bore diameter (in.) = bore diameter code/16

*Example:*
UCF201-8 = 8/16 in. or ½ in. bore (Four-bolt flanged unit)
UCP205-16 = 16/16 in. or 1 in. bore (Pillow block unit)

**TABLE 1. MODEL LIST**

| Model | | Bearing Bore Dia. Surface (Fixing to Shaft) | Model Code | Shaft Diameter | | | | Dimension Table Page Number |
|---|---|---|---|---|---|---|---|---|
| | | | | Min. | Max. | Min. | Max. | |
| | | | | in. | | mm | | |
|  | Ball bearing inserts | with set screw locking | UC | ½ | 4 | 12 | 140 | 30, 76 |
| | | with eccentric locking collar | UEL | ½ | 3 | 12 | 75 | 48 |
| | | tapered bore (adapter sleeve(1)) | UK | ¾ | 3 | 20 | 80 | 64 |
|  | Pillow block units | with set screw locking | UCP | ½ | 4 | 12 | 140 | 16, 68 |
| | | with eccentric locking collar | UELP | ½ | 3 | 12 | 75 | 34 |
| | | tapered bore (adapter sleeve(1)) | UKP | ¾ | 3 | 20 | 80 | 52 |
|  | Four-bolt flange units | with set screw locking | UCF | ½ | 4 | 12 | 140 | 22, 70 |
| | | with eccentric locking collar | UELF | ½ | 3 | 12 | 75 | 40 |
| | | tapered bore (adapter sleeve(1)) | UKF | ¾ | 3 | 20 | 80 | 56 |
|  | Two-bolt flange units | with set screw locking | UCFL | ½ | 4 | 12 | 130 | 24, 72 |
| | | with eccentric locking collar | UELFL | ½ | 3 | 12 | 75 | 42 |
| | | tapered bore (adapter sleeve(1)) | UKFL | ¾ | 3 | 20 | 80 | 58 |
|  | Take-up units | with set screw locking | UCT | ½ | 4 | 12 | 140 | 28, 74 |
| | | with eccentric locking collar | UELT | ½ | 3 | 12 | 75 | 46 |
| | | tapered bore (adapter sleeve(1)) | UKT | ¾ | 3 | 20 | 75 | 72 |
|  | Piloted round flanged units | with set screw locking | UCFC | ½ | 3 ½ | 12 | 90 | 26 |
| | | with eccentric locking collar | UELFC | ½ | 3 | 12 | 75 | 44 |
| | | tapered bore (adapter sleeve(1)) | UKFC | ¾ | 3 | 20 | 80 | 60 |
|  | Tapped base pillow block units | with set screw locking | UCPA | ½ | 2 | 12 | 50 | 18 |
| | | with eccentric locking collar | UELPA | ½ | 2 | 12 | 50 | 36 |
| | | tapered bore (with adapter (1)) | UKPA | ½ | 1 9/16 | 25 | 45 | 54 |
| | Y Series Tapped base pillow block units | with set screw locking | UCPW | | | 25 | 40 | 20 |
| | | with eccentric locking collar | UELPW | | | 25 | 40 | 38 |

(1) Note: Adapter sleeve of the desired size should be ordered separately.

# *PRODUCT INFO*

**Precision formed flinger**
Provides the first level of protection against contamination.

**High-performance seal**
Bonded nitrile rubber seal with an engineered interface to the inner ring.

**Hardened and ground seal land**
Helps protect against abrasive wear, extending seal life.

**Outer ring with spherical outside diameter**
Engineered fit between bearing and housing to improve bearing life.

**Lubrication delivery system**
Precision-machined lubrication groove and holes in the outer ring of the bearing.

**Engineered balls and cage**
Steel cage provides effective ball guidance and high-temperature service capability.

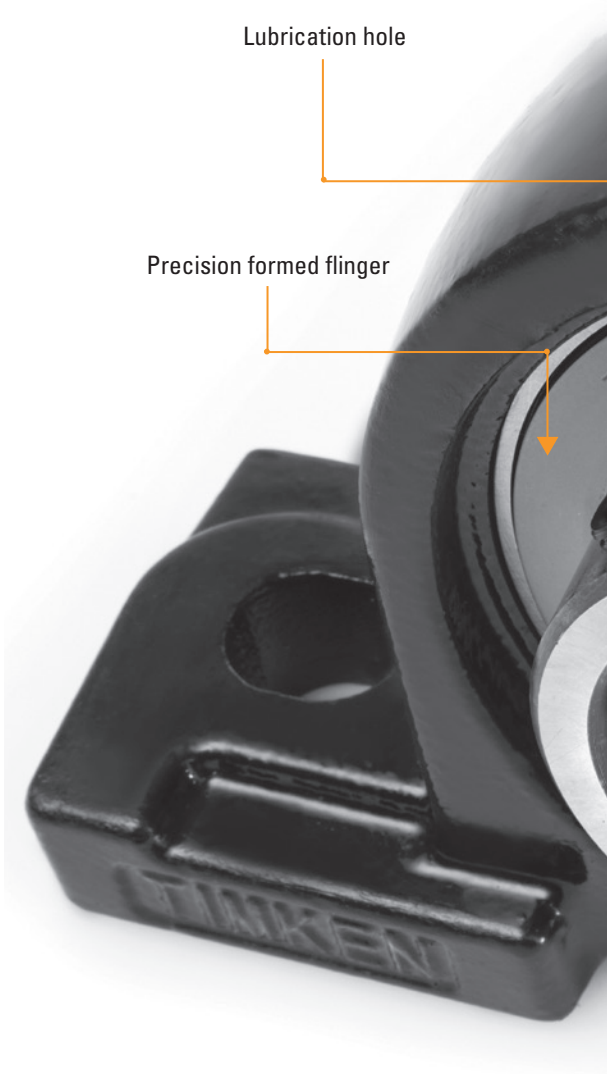
**Wide inner ring**
Improved shaft support over narrow rings, improving bearing life and reducing misalignment.

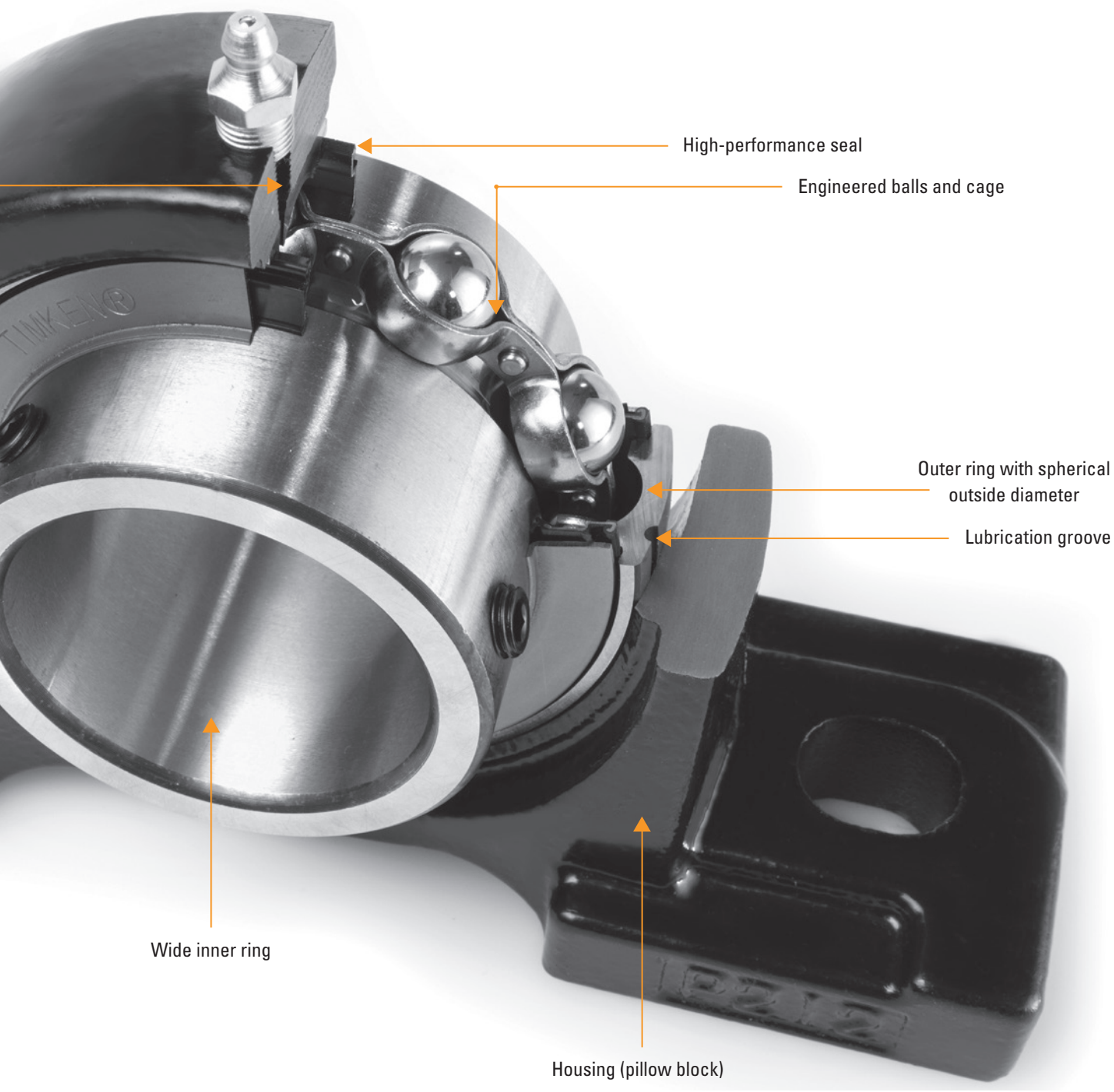
**Locking types**
Three effective locking styles available:

- Set screw locking
  - Simple installation
  - Ideal for reversing applications
  - Provides maximum holding power
- Eccentric locking
  - Easy installation
  - Reliable and provides secure grip to the shaft
  - Minimize shaft damage
- Adapter sleeve locking
  - Highly concentric and secure locking
  - Eliminates shaft damage
  - Prevent fretting corrosion even under adverse conditions

**Cast-iron housing**
Incorporates ISO 185 Grade 200 (ASTM A48 Grade No. 30) cast iron.

**Premium grease**
Prelubricated with high-quality lithium-based grease, compatible with most industrial greases.




High-performance seal
Engineered balls and cage
Outer ring with spherical outside diameter
Lubrication groove
Wide inner ring
Housing (pillow block)

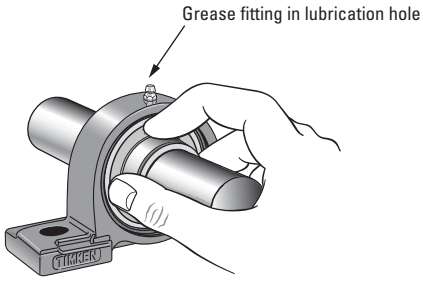
# *INSTALLATION*
# UC 200 AND UC 300 SERIES

## SET SCREW STYLE UNITS

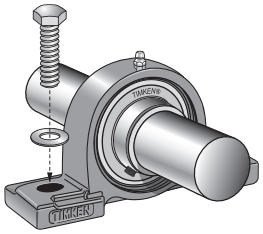
Set screw style units are mounted on the shaft with the help of two set screws in the inner ring located at 120 degrees to each other. The set screw locking mechanism provides ease in mounting and is suitable for applications where the shaft rotation is bidirectional.

**Installation procedures for set screw style units are shown below.**

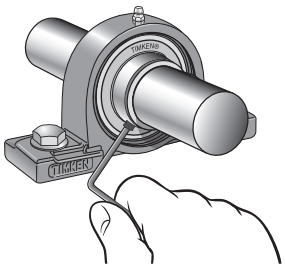
1. Ensure that the shaft is clean, free from burrs, straight and of proper diameter. The bearing should not be mounted on a worn section of the shaft. Using shafts with hardness greater than HRC 45 will reduce effectiveness of locking devices. See table 3 on page 12 for suggested shaft tolerances.
2. Install the supplied grease fitting into the threaded lubrication hole on the housing. Align the bearing in its housing and slide the unit into position on the shaft.




3. Bolt the housing tightly to its mounting supports using an appropriately sized fastener and suggested bolt torque (table 5 on page 12). Flat washers should be used when installing any kind of housed unit. Washers should be properly sized to bolt diameter.




4. Lock the bearing to the shaft by tightening each inner ring set screw incrementally to suggested torque levels (table 4 on page 12).



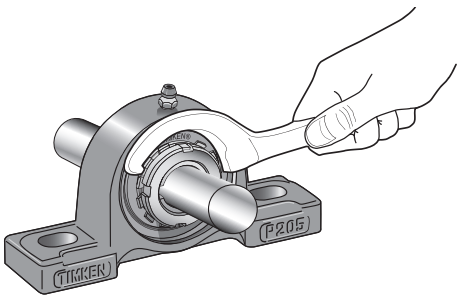

# UK SERIES

## ADAPTER STYLE UNITS

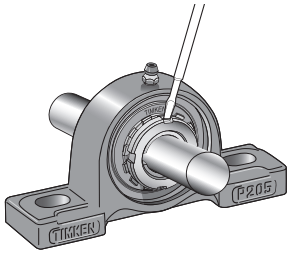
Adapter style units have a tapered bore bearing mounted to the shaft with adapter sleeve assembly, comprised of an adapter sleeve, locknut and lockwasher. This design offers the best shaft concentricity and highest capacity while having the ability to accommodate undersized shafting. These units are most suitable where they are exposed to excessive vibration and impact.

**Installation procedures for adapter style units are shown below.**

1. Ensure that the shaft is clean, free from burrs, straight and of proper diameter. The bearing should not be mounted on a worn section of the shaft. See table 6 on page 13 for suggested shaft tolerances.
2. Slide the adapter sleeve into position on the shaft. If the sleeve is too tight, expand the slot by using a screwdriver as required.
3. Slide the bearing unit over the adapter sleeve and loosely install the housed unit to its mounting supports using an appropriately sized fastener. Flat washers should be used when installing any kind of housed unit. Washers should be properly sized to bolt diameter.
4. Assemble the lockwasher on the sleeve and thread the locknut onto the adapter sleeve leaving approximately 6.35 mm (¼ in.) between the lockwasher and the inner ring of the bearing.
5. Use a large screwdriver or pry bar to lever the sleeve into position until there is no relative movement between the shaft, adapter sleeve and the bearing's inner ring.
6. Rotate the locknut until hand-tight. Use a spanner wrench to tighten the locknut to the suggested torque (see table 7 on page 13).



7. Bend a tang on the lockwasher into a slot on the locknut to prevent the locknut from loosening.




8. Rotate the shaft by hand while tightening the mounting bolts to make sure the shaft rotates freely. Tighten the housed unit mounting bolts to the recommended bolt tightening torque given in table 5 on page 12.

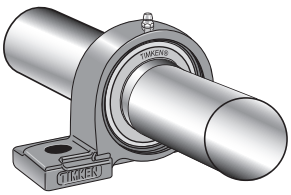
# UEL SERIES

## ECCENTRIC LOCKING COLLAR UNITS

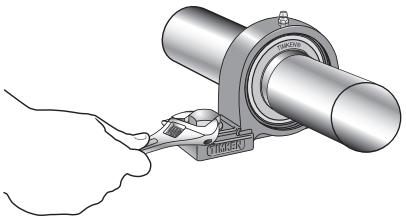
The self-locking collar eliminates the need for locknuts, lockwashers, shoulders, sleeves and adapters. For many agricultural and industrial applications, self-locking collars are the easiest housed units to install. The locking collar has a recessed cam made eccentric to the collar bore. When assembled on the shaft, the locking collar engages or mates with the eccentric cam end of a bearing's inner ring. This assembly grips the shaft tightly with a positive binding action that increases with use. No adjustments of any kind are necessary. The collar set screw provides supplementary locking.

**Installation procedures for eccentric locking collar style units are shown below.**

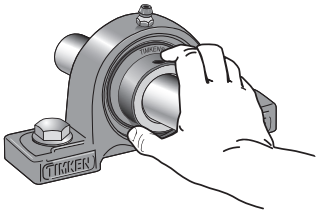
1. Ensure that the shaft is clean, free from burrs, straight and of proper diameter. The bearing should not be mounted on a worn section of the shaft. Using shafts with hardness greater than HRC 45 will reduce effectiveness of locking devices. See table 3 on page 12 for suggested shaft tolerances.
2. Install the supplied grease fitting into the threaded lubrication hole on the housing. Align the bearing in its housing and slide the unit into position on the shaft.



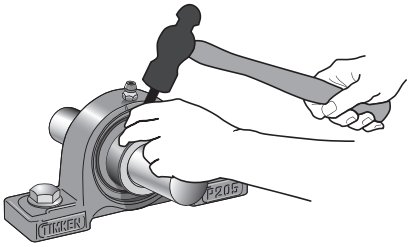

3. Bolt the housing tightly to its mounting supports using an appropriately sized fastener and suggested bolt torque (table 5 on page 12). Flat washers should be used when installing any kind of housed unit. Washers should be properly sized to bolt diameter.



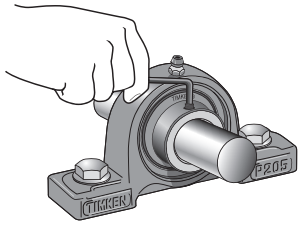

4. Place the eccentric locking collar on the shaft with its cam adjacent to the cam on the end of the bearing inner ring. The eccentric collar's recessed cam will engage the corresponding cam on the bearing inner ring. Turn the collar in the direction of shaft rotation.




5. Using a light weight hammer and a drift pin inserted in the blind hole, tap lightly in the direction of shaft rotation to positively engage the collar. The insert is now locked to the shaft.




6. Tighten the set screw to suggested torque level (see table 4 on page 12).



# RELUBRICATION

Timken ball bearing housed units are prelubricated. However, periodic relubrication is advisable in some applications for which these units are designed. Consult your equipment manufacturer's operating manual for the specific relubrication cycle. General guidelines are found in table 2 below.

**TABLE 2. GENERAL RELUBRICATION SUGGESTIONS FOR GREASED BEARINGS [1]**

| Condition | Relubrication Interval |
|---|---|
| Indoor service | Not required |
| Outdoor service | Two/three times per year |
| Severe outdoor exposure | Once a month |
| High contamination/washdown | Once a week |

[1] As a guideline, relubricate until the first indication of grease is observed purging from the bearing.

# TECHNICAL DATA

The following tables provide useful installation details related to shaft tolerance, recommended torque for set screws and mounting bolts, bearing internal clearances and the speed ratings.

**TABLE 3. SUGGESTED SHAFT TOLERANCE [1]**

| Shaft Size | | Shaft Tolerance | |
|---|---|---|---|
| Over | Incl. | Min. | Max. |
| **mm** in. | **mm** in. | **mm** in. | **mm** in. |
| **12** 0.500 | **18** 0.625 | **0** 0.000 | **– 0.011** – 0.0004 |
| **19** 0.750 | **30** 1.000 | **0** 0.000 | **– 0.013** – 0.0005 |
| **31** 1.125 | **50** 1.938 | **0** 0.000 | **– 0.016** – 0.0006 |
| **51** 2.000 | **80** 3.125 | **0** 0.000 | **– 0.019** – 0.0007 |
| **81** 3.250 | **120** 3.500 | **0** 0.000 | **– 0.022** – 0.0009 |
| **120** 3.50 | **140** 4.00 | **0** 0.000 | **– 0.025** – 0.0010 |

[1] These are for normal service; for heavy loads, high speeds or vertical shaft applications, consult your equipment manufacturer or your local Timken representative.

For shaft tolerance of taper sleeve inserts, see table 6 on page 13.

**TABLE 4. SUGGESTED SET SCREW TIGHTENING TORQUE**

| Set Screw Size | Tightening Torque | Applicable Bore Ranges | | |
|---|---|---|---|---|
| | | UC 200 Series | UEL 200 Series | UC 300 Series |
| **mm** in. | **N-m** in.-lbs. | | | |
| **M6 x 0.75** | **4** | 201 - 206 | 204 - 205 | 305 - 306 |
| ¼– 28 UNF | 35 | 201 - 206 | – | – |
| **M8 x 1** | **9** | 207 - 209 | 206 - 210 | 307 |
| 5⁄16 – 24 UNF | 75 | 207 - 209 | – | – |
| **M10 x 1.25** | **18** | 210 - 212 | 211 - 212 | 308 - 309 |
| ⅜ – 24 UNF | 155 | 210 - 212 | – | – |
| **M12 x 1.5** | **28** | 213 - 218 | – | 310 - 314 |
| 7⁄16 – 20 UNF | 248 | – | – | – |
| **M14 x 1.5** | **35** | – | – | 315 - 316 |
| ½ – 20 UNF | 248 | 213 - 218 | – | – |
| **M16 x 1.5** | **56** | – | – | 317 - 319 |
| ⅝ – 18 UNF | 496 | – | – | – |
| **M18 x 1.5** | **62** | – | – | 320 - 324 |
| ¾– 16 UNF | 549 | – | – | – |
| **M20 x 1.5** | **83** | – | – | 326 - 328 |
| – | – | – | – | – |

For tightening torques of adapter locknuts, see table 7 on page 13.

**TABLE 5. SUGGESTED MOUNTING BOLT TORQUE**

| Bolt Size | Tightening Torque | Bolt Size | Tightening Torque |
|---|---|---|---|
| **mm** | N-m | in. | ft.-lbs. |
| **M10** | **12 – 21** | ⅜ | 9 – 16 |
| **M12** | **21 – 37** | 7⁄16 | 16 – 27 |
| **M14** | **34 – 60** | ½ | 26 – 44 |
| **M16** | **53 – 93** | ⅝ | 39 - 69 |
| **M20** | **104 – 186** | ¾ | 77 – 137 |
| **M22** | **143 – 256** | ⅞ | 106 – 190 |
| **M27** | **266 – 478** | 1 | 196 – 353 |
| **M30** | **360 – 645** | 1 ⅛ | 265 – 476 |
| **M33** | **494 – 885** | 1 ¼ | 364 – 653 |
| **M36** | **631 – 1130** | 1 ⅜ | 465 – 833 |
| **M39** | **740 – 1320** | 1 ½ | 521 - 974 |
| **M42** | **858 – 1533** | 1 ⅝ | 609 - 1131 |

Since tapered bore bearings are fixed to the shaft with an adapter, a looser fit is allowable since the adapter sleeve provides excellent concentricity. This makes mounting of the bearing to the shaft much easier.

Table 6 on page 13 shows the dimensional tolerance of the shaft used with tapered bore bearings (with adapters).

### TABLE 6. DIMENSIONAL TOLERANCE OF SHAFT USED FOR TAPERED BORE BEARINGS (WITH ADAPTERS)

| Shaft Dia. | | Dimensional Tolerance of Shaft | | | |
|---|---|---|---|---|---|
| | | h8 | | h9 | |
| Over | Incl. | Min. | Max. | Min. | Max. |
| **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. |
| **18** | **30** | **–0.033** | **0** | **-0.052** | **0** |
| 5/8 | 1 ¼ | –0.0013 | 0 | –0.0020 | 0 |
| **30** | **50** | **–0.039** | **0** | **-0.062** | **0** |
| 1 ¼ | 2 | –0.0015 | 0 | –0.0024 | 0 |
| **50** | **80** | **–0.046** | **0** | **-0.074** | **0** |
| 2 | 3 ½ | –0.0018 | 0 | –0.0029 | 0 |

### TABLE 7. TIGHTENING TORQUES OF ADAPTER LOCKNUTS (REFERENCE)

| Bore Code | UK 200 Series | | |
|---|---|---|---|
| | Standard Load | | Heavy Load |
| | Min. | Max. | (Max. x 1.5) |
| | **N-m** ft.-lbs. | **N-m** ft.-lbs. | **N-m** ft.-lbs. |
| 5 | **25** 18 | **38** 28 | **56** 41 |
| 6 | **30** 22 | **45** 33 | **68** 50 |
| 7 | **40** 30 | **60** 44 | **90** 66 |
| 8 | **50** 37 | **75** 55 | **113** 83 |
| 9 | **60** 44 | **90** 66 | **135** 100 |
| 10 | **75** 55 | **113** 83 | **169** 125 |
| 11 | **100** 74 | **150** 111 | **225** 166 |
| 12 | **130** 76 | **195** 144 | **293** 216 |
| 13 | **150** 111 | **225** 166 | **338** 249 |
| 15 | **170** 125 | **255** 188 | **383** 282 |
| 16 | **200** 148 | **300** 221 | **450** 332 |

## *RADIAL INTERNAL CLEARANCE*

In the manufacture of ball bearings, it is standard practice to assemble rings and rolling elements with a specified internal clearance. This characteristic is necessary to absorb the loss of clearance due to press fitting the bearing rings at mounting or due to expansion of bearings, shafts and housings. Internal clearance in an application is an important factor that has a significant influence on bearing performance as well as characteristics of heat, noise and vibration.

Table 8 shows the applicable internal clearance for different series bearings and Table 9 shows the available options for internal clearance.

### TABLE 8. INTERNAL CLEARANCES - DIFFERENT SERIES

| Bearing Bore | Internal Clearance |
|---|---|
| Cylindrical (UC, UEL) | CN |
| Tapered (UK) | C3 |

### TABLE 9. INTERNAL CLEARANCE

| Nominal Bearing Bore Dia. d | | Radial Internal Clearance | | | |
|---|---|---|---|---|---|
| | | CN | | C3 | |
| Over | Incl. | Min. | Max. | Min. | Max. |
| **µm** | | | | | |
| **10** | **18** | **3** | **18** | **11** | **25** |
| **18** | **24** | **5** | **20** | **13** | **28** |
| **24** | **30** | **5** | **20** | **13** | **28** |
| **30** | **40** | **6** | **20** | **15** | **33** |
| **40** | **50** | **6** | **23** | **18** | **36** |
| **50** | **65** | **8** | **28** | **23** | **43** |
| **65** | **80** | **10** | **30** | **25** | **51** |
| **80** | **100** | **12** | **36** | **30** | **58** |
| **100** | **120** | **15** | **41** | **36** | **66** |
| **120** | **140** | **18** | **48** | **41** | **81** |

Remarks

1. Radial internal clearance given in the above table comply with JIS B 1558.
2. Increase in the internal clearance caused due to the applied measured load is given in the Table 10 below. The correction is applicable to the maximum clearance.

### TABLE 10. CORRECTION OF CLEARANCE

| Nominal Bearing Bore Dia. d | | Measured Load | Correction of Clearance | |
|---|---|---|---|---|
| Over | Incl. | | CN | C3 |
| **mm** | | **N** | **µm** | |
| **2.5** | **18** | **24.5** | **4** | **4** |
| **18** | **50** | **49** | **5** | **6** |
| **50** | **280** | **147** | **8** | **9** |

# SPEED RATINGS

There's no precise method for determining the maximum speed at which a ball bearing can operate. Bearing characteristics and features of surrounding parts, shafts, housings and other components, as well as basic service conditions, are all variables which are dependent upon each other for continued satisfactory high-speed performance.

The safe operating speed of a bearing is often limited by the temperature within the bearing, which in turn, dependent upon the temperature surrounding the application, accuracy of the bearing, shafts, housings, auxiliary parts, etc., and the type and amount of lubricant. Radial bearings with proper internal refinements will operate at high speeds for longer periods if properly installed and lubricated.

Below table shows the standard allowable rotating speeds of ball bearing units.

**TABLE 11. ALLOWABLE ROTATING SPEED FOR HOUSED UNITS**

| Bore Dia. Code | Diameter Series | |
|---|---|---|
| | 2 | 3 |
| | RPM | |
| 01 | 5800 | - |
| 02 | 5800 | - |
| 03 | 5800 | - |
| 04 | 5800 | - |
| 05 | 5100 | 4600 |
| 06 | 4300 | 3900 |
| 07 | 3700 | 3400 |
| 08 | 3300 | 3100 |
| 09 | 3100 | 2700 |
| 10 | 2800 | 2400 |
| 11 | 2500 | 2300 |
| 12 | 2300 | 2100 |
| 13 | 2200 | 1900 |
| 14 | 2100 | 1800 |
| 15 | 2000 | 1700 |
| 16 | 1800 | 1600 |
| 17 | 1700 | 1500 |
| 18 | 1600 | 1400 |
| 19 | - | 1400 |
| 20 | - | 1300 |
| 21 | - | 1200 |
| 22 | - | 1100 |
| 24 | - | 1100 |
| 26 | - | 1000 |
| 28 | - | 910 |

Remarks:

When a bearing unit is used with excessively loose fit, the allowable rotating speed must be calculated by multiplying it by the fitting factor $f_c$ shown in the below table.

**TABLE 12. FITTING FACTOR $f_c$ FOR HOUSED UNITS**

| Type of Ball Bearing Units | Fitting Factor $f_c$ | | | | | |
|---|---|---|---|---|---|---|
| | Shaft Tolerance Range Class | | | | | |
| | h5, j5 | j6 | h6 | h7 | h8 | h9 |
| Set screw locking, UC | - | 1 | 1 | 0.8 | 0.5 | 0.2 |
| Eccentric collar locking, UEL | 1 | - | - | - | - | - |
| Tapered bore for use with adapter sleeve, UK | - | - | - | - | 1 | 1 |

# *UC 200 INDUSTRIAL SET SCREW LOCKING SERIES*

The following topics are covered within this section:

UCP 200 Pillow Block Housed Units . . . . . .16
UCPA 200 Tapped Base Pillow Block Housed units . . . . . .18
UCPW 200 Y Series Tapped Base Pillow Block Housed units .20
UCF 200 Four-Bolt Flanged Housed Units . . . . . .22
UCFL 200 Two-Bolt Flanged Housed Units . . . . . .24
UCFC 200 Piloted Round Flanged Housed Units . . . . . .26
UCT 200 Take-Up Housed Units . . . . . .28
UC 200 Wide Inner Ring Ball Bearings . . . . . .30



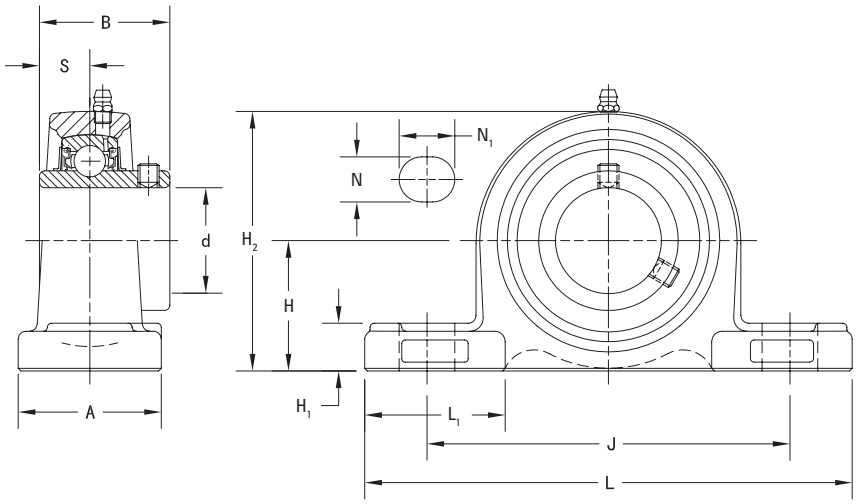
# *UCP 200 INDUSTRIAL SET SCREW LOCKING SERIES*
# CAST-IRON PILLOW BLOCK HOUSED UNITS

- UCP pillow blocks are suggested for industrial applications where normal loads are encountered.
- Compact, one-piece housing with two-bolt mounting can be installed in any position and makes bearing replacement easy.
- These units use wide inner ring ball bearings with self-aligning spherical outside diameters that compensate for shaft misalignment.
- Timken UCP series housed units feature the Timken set screw locking (UC) bearing insert.
- Bearing prelubricated and ready for immediate installation.
- Grease fitting supplied for relubrication[1].
- The bonded seal design is well-suited for applications involving wet or dirty environments.
- Bolt-hole spacing and base-to-center height dimensions are interchangeable with competitive units.
- Housing designed for ease of bearing replacement.

| Shaft Dia. d | | Pillow Block Designation | Bearing Designation | Basic Load Ratings | | Dimensions | | | | | | | | | | | Bolt Size | Wt. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Dynamic | Static | H | L | $L_1$ | A | $H_1$ | J | $H_2$ | S | B | N | $N_1$ | | |
| | | | | $C_r$ | $C_{0r}$ | | | | | | | | | | | | | |
| **mm** | in. | | | **kN** lbs | **kN** lbs | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **kg** lbs |
| **12** | | UCP201 | UC201 | | | | | | | | | | | | | | | |
| | ½ | UCP201-8 | UC201-8 | | | | | | | | | | | | | | | |
| **15** | | UCP202 | UC202 | **12.8** 2878 | **6.7** 1495 | **30.2** 1 3⁄16 | **127** 5 | **36** 1 13⁄32 | **38** 1 ½ | **16** ⅝ | **95** 3 ¾ | **60** 2 3⁄8 | **12.7** 0.500 | **31.0** 1.220 | **13** ½ | **18** 23⁄32 | **M10** 3⁄8 | **0.6** 1.3 |
| | ⅝ | UCP202-10 | UC202-10 | | | | | | | | | | | | | | | |
| **17** | | UCP203 | UC203 | | | | | | | | | | | | | | | |
| | ¾ | UCP204-12 | UC204-12 | **12.8** | **6.7** | **33.3** | **127** | **36** | **38** | **16** | **95** | **65** | **12.7** | **31.0** | **13** | **18** | **M10** | **0.7** |
| **20** | | UCP204 | UC204 | 2878 | 1495 | 1 5⁄16 | 5 | 1 13⁄32 | 1 ½ | ⅝ | 3 ¾ | 2 9⁄16 | 0.500 | 1.220 | ½ | 23⁄32 | 3⁄8 | 1.5 |
| | ⅞ | UCP205-14 | UC205-14 | | | | | | | | | | | | | | | |
| | 15⁄16 | UCP205-15 | UC205-15 | **14.0** | **7.9** | **36.5** | **140** | **38** | **38** | **16** | **105** | **70** | **14.3** | **34.1** | **13** | **18** | **M10** | **0.8** |
| **25** | | UCP205 | UC205 | 3147 | 1765 | 1 7⁄16 | 5 ½ | 1 ½ | 1 ½ | ⅝ | 4 1⁄8 | 2 49⁄64 | 0.563 | 1.343 | ½ | 23⁄32 | 3⁄8 | 1.8 |
| | 1 | UCP205-16 | UC205-16 | | | | | | | | | | | | | | | |
| | 1 1⁄8 | UCP206-18 | UC206-18 | | | | | | | | | | | | | | | |
| **30** | | UCP206 | UC206 | **19.5** | **11.3** | **42.9** | **165** | **48** | **48** | **17** | **121** | **84** | **15.9** | **38.1** | **17** | **21** | **M14** | **1.3** |
| | 1 3⁄16 | UCP206-19 | UC206-19 | 4384 | 2540 | 1 11⁄16 | 6 ½ | 1 7⁄8 | 1 7⁄8 | 21⁄32 | 4 ¾ | 3 5⁄16 | 0.626 | 1.500 | 21⁄32 | 13⁄16 | ½ | 2.9 |
| | 1 ¼ | UCP206-20 | UC206-20 | | | | | | | | | | | | | | | |
| | 1 ¼ | UCP207-20 | UC207-20 | | | | | | | | | | | | | | | |
| | 1 5⁄16 | UCP207-21 | UC207-21 | | | | | | | | | | | | | | | |
| | 1 3⁄8 | UCP207-22 | UC207-22 | **25.7** | **15.4** | **47.6** | **167** | **47** | **48** | **18** | **127** | **95** | **17.5** | **42.9** | **17** | **21** | **M14** | **1.6** |
| **35** | | UCP207 | UC207 | 5778 | 3462 | 1 7⁄8 | 6 9⁄16 | 1 27⁄32 | 1 7⁄8 | 23⁄32 | 5 | 3 ¾ | 0.689 | 1.689 | 21⁄32 | 13⁄16 | ½ | 3.5 |
| | 1 7⁄16 | UCP207-23 | UC207-23 | | | | | | | | | | | | | | | |
| | 1 ½ | UCP208-24 | UC208-24 | | | | | | | | | | | | | | | |
| | 1 9⁄16 | UCP208-25 | UC208-25 | **29.1** | **17.8** | **49.2** | **184** | **53** | **54** | **18** | **137** | **98** | **19.0** | **49.2** | **17** | **21** | **M14** | **2.0** |
| **40** | | UCP208 | UC208 | 6542 | 4002 | 1 15⁄16 | 7 ¼ | 2 3⁄32 | 2 1⁄8 | 23⁄32 | 5 13⁄32 | 3 27⁄32 | 0.748 | 1.937 | 21⁄32 | 13⁄16 | ½ | 4.4 |
| | 1 ⅝ | UCP209-26 | UC209-26 | | | | | | | | | | | | | | | |
| | 1 11⁄16 | UCP209-27 | UC209-27 | **34.1** | **21.3** | **54.0** | **190** | **55** | **54** | **20** | **146** | **106** | **19.0** | **49.2** | **17** | **21** | **M14** | **2.2** |
| | 1 ¾ | UCP209-28 | UC209-28 | 7666 | 4788 | 2 1⁄8 | 7 15⁄32 | 2 5⁄32 | 2 1⁄8 | 25⁄32 | 5 ¾ | 4 3⁄16 | 0.748 | 1.937 | 21⁄32 | 13⁄16 | ½ | 4.9 |
| **45** | | UCP209 | UC209 | | | | | | | | | | | | | | | |

[1] For bore sizes up to and including 210, a ¼-28 tapered thread fitting is used. For bore sizes greater than 211, a ⅛ BSPT fitting is used.

*Continued on next page.*




*Continued from previous page.*

| Shaft Dia. d | | Pillow Block Designation | Bearing Designation | Basic Load Ratings | | Dimensions | | | | | | | | | | | Bolt Size | Wt. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Dynamic | Static | H | L | $L_1$ | A | $H_1$ | J | $H_2$ | S | B | N | $N_1$ | | |
| | | | | $C_r$ | $C_{0r}$ | | | | | | | | | | | | | |
| **mm** | in. | | | **kN** lbs | **kN** lbs | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **kg** lbs |
| | 1 7/8 | UCP210-30 | UC210-30 | | | | | | | | | | | | | | | |
| | 1 15/16 | UCP210-31 | UC210-31 | **35.1** | **23.3** | **57.2** | **206** | **60** | **60** | **21** | **159** | **113** | **19.0** | **51.6** | **20** | **22** | **M16** | **2.9** |
| **50** | | UCP210 | UC210 | 7891 | 5238 | 2 1/4 | 8 1/8 | 2 3/8 | 2 3/8 | 13/16 | 6 1/4 | 4 7/16 | 0.748 | 2.031 | 25/32 | 7/8 | 5/8 | 6.4 |
| | 2 | UCP210-32 | UC210-32 | | | | | | | | | | | | | | | |
| | 2 | UCP211-32 | UC211-32 | | | | | | | | | | | | | | | |
| | 2 1/8 | UCP211-34 | UC211-34 | **43.4** | **29.4** | **63.5** | **219** | **65** | **60** | **23** | **171** | **125** | **22.2** | **55.6** | **20** | **22** | **M16** | **3.6** |
| **55** | | UCP211 | UC211 | 9757 | 6609 | 2 1/2 | 8 5/8 | 2 9/16 | 2 3/8 | 29/32 | 6 23/32 | 4 29/32 | 0.874 | 2.189 | 25/32 | 7/8 | 5/8 | 7.9 |
| | 2 3/16 | UCP211-35 | UC211-35 | | | | | | | | | | | | | | | |
| | 2 1/4 | UCP212-36 | UC212-36 | | | | | | | | | | | | | | | |
| **60** | | UCP212 | UC212 | **52.4** | **36.2** | **69.8** | **241** | **73** | **70** | **25** | **184** | **138** | **25.4** | **65.1** | **20** | **25** | **M16** | **4.9** |
| | 2 3/8 | UCP212-38 | UC212-38 | 11780 | 8138 | 2 3/4 | 9 1/2 | 2 7/8 | 2 3/4 | 31/32 | 7 1/4 | 5 7/16 | 1.000 | 2.563 | 25/32 | 31/32 | 5/8 | 10.8 |
| | 2 7/16 | UCP212-39 | UC212-39 | | | | | | | | | | | | | | | |
| | 2 1/2 | UCP213-40 | UC213-40 | **57.2** | **40.1** | **76.2** | **265** | **78** | **70** | **27** | **203** | **150** | **25.4** | **65.1** | **25** | **30** | **M20** | **5.9** |
| **65** | | UCP213 | UC213 | 12859 | 9015 | 3 | 10 7/16 | 3 1/16 | 2 3/4 | 1 1/16 | 8 | 5 29/32 | 1.000 | 2.563 | 31/32 | 1 3/16 | 3/4 | 13.0 |
| | 2 3/4 | UCP214-44 | UC214-44 | **62.2** | **44.1** | **79.4** | **266** | **75** | **72** | **27** | **210** | **157** | **30.2** | **74.6** | **25** | **30** | **M20** | **6.8** |
| **70** | | UCP214 | UC214 | 13983 | 9914 | 3 1/8 | 10 15/32 | 2 61/64 | 2 27/32 | 1 1/16 | 8 9/32 | 6 3/16 | 1.189 | 2.937 | 31/32 | 1 3/16 | 3/4 | 15.0 |
| | 2 15/16 | UCP215-47 | UC215-47 | | | | | | | | | | | | | | | |
| **75** | | UCP215 | UC215 | **67.4** | **48.3** | **82.6** | **275** | **78** | **74** | **28** | **217** | **162** | **33.3** | **77.8** | **25** | **30** | **M20** | **7.4** |
| | 3 | UCP215-48 | UC215-48 | 15152 | 10858 | 3 1/4 | 10 13/16 | 3 1/16 | 2 29/32 | 1 3/32 | 8 17/32 | 6 3/8 | 1.311 | 3.063 | 31/32 | 1 3/16 | 3/4 | 16.3 |
| | 3 1/8 | UCP216-50 | UC216-50 | **72.7** | **53.0** | **88.9** | **292** | **83** | **78** | **30** | **232** | **174** | **33.3** | **82.6** | **25** | **35** | **M20** | **9.0** |
| **80** | | UCP216 | UC216 | 16344 | 11915 | 3 1/2 | 11 1/2 | 3 9/32 | 3 1/16 | 1 3/16 | 9 1/8 | 6 27/32 | 1.311 | 3.252 | 31/32 | 1 3/8 | 3/4 | 19.8 |
| | 3 1/4 | UCP217-52 | UC217-52 | **84.0** | **61.9** | **95.2** | **310** | **87** | **83** | **32** | **247** | **185** | **34.1** | **85.7** | **25** | **35** | **M20** | **10.8** |
| **85** | | UCP217 | UC217 | 18884 | 13916 | 3 3/4 | 12 7/32 | 3 7/16 | 3 9/32 | 1 1/4 | 9 23/32 | 7 9/32 | 1.343 | 3.374 | 31/32 | 1 3/8 | 3/4 | 23.8 |
| | 3 1/2 | UCP218-56 | UC218-56 | **96.1** | **71.5** | **101.6** | **327** | **94** | **88** | **33** | **262** | **198** | **39.7** | **96.0** | **27** | **40** | **M22** | **13.9** |
| **90** | | UCP218 | UC218 | 21604 | 16074 | 4 | 12 7/8 | 3 11/16 | 3 15/32 | 1 5/16 | 10 5/16 | 7 25/32 | 1.563 | 3.780 | 1 1/16 | 1 9/16 | 7/8 | 30.6 |

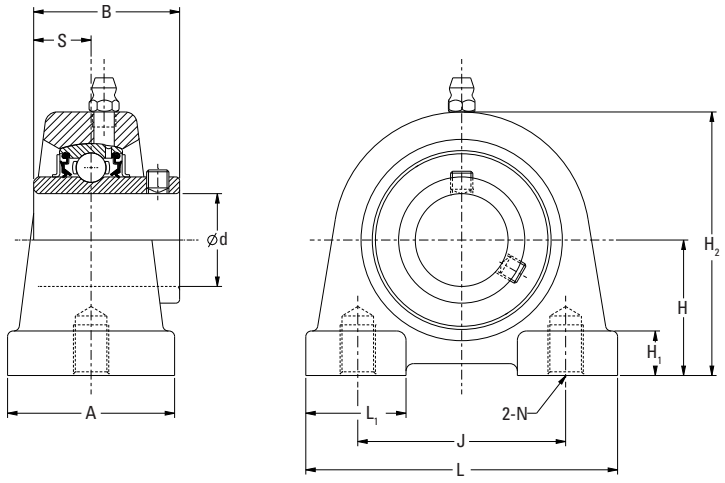
# *UCPA 200 INDUSTRIAL SET SCREW LOCKING SERIES*
# CAST-IRON TAPPED BASE PILLOW BLOCK HOUSED UNITS

- UCPA tapped base pillow blocks are suggested for industrial applications where normal loads are encountered.
- Compact, one-piece housing with two-bolt mounting can be installed in any position and makes bearing replacement easy.
- These units are primarily designed for applications where the mounting area is restricted, bolt screws are accessed from the bottom of the unit and reversing moments do not occur.
- These units use wide inner ring ball bearings with self-aligning spherical outside diameters that compensate for shaft misalignment.
- Timken UCPA series housed units feature the Timken set screw locking (UC) bearing insert.
- Bearing pre-lubricated and ready for immediate installation.
- Grease fitting supplied for re-lubrication[1].
- The bonded seal design is well-suited for applications involving wet or dirty environments.
- Bolt-hole spacing and base-to-center height dimensions are interchangeable with competitive units.
- Housing designed for ease of bearing replacement.

[1] For bore sizes up to and including 210, a 1/4-28 tapered thread fitting is used. For bore sizes greater than 211, a 1/8 BSPT fitting is used.

| Shaft Dia. d | | Pillow block Designation | Bearing Designation | Basic Load Ratings | | Dimensions | | | | | | | | | | Wt. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Dynamic | Static | H | L | A | J | N | $H_1$ | $H_2$ | $L_1$ | B | S | |
| | | | | $C_r$ | $C_{0r}$ | | | | | | | | | | | |
| **mm** | in. | | | **kN** lbs | **kN** lbs | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **kg** lbs |
| **12** | | UCPA201 | UC201 | **12.8** 2878 | **6.7** 1495 | **30.2** 1 3⁄16 | **76** 3 | **40** 1 9⁄16 | **52** 2 3⁄64 | **M10x1.5** | **11** 7⁄16 | **60** 2 3⁄8 | **25** 63⁄64 | **31.0** 1.220 | **12.7** 0.500 | **0.6** 1.3 |
| | ½ | UCPA201-8 | UC201-8 | | | | | | | | | | | | | |
| **15** | | UCPA202 | UC202 | | | | | | | | | | | | | |
| | ⅝ | UCPA202-10 | UC202-10 | | | | | | | | | | | | | |
| **17** | | UCPA203 | UC203 | | | | | | | | | | | | | |
| | ¾ | UCPA204-12 | UC204-12 | | | | | | | | | | | | | |
| **20** | | UCPA204 | UC204 | | | | | | | | | | | | | |
| | ⅞ | UCPA205-14 | UC205-14 | **14.0** 3147 | **7.9** 1765 | **36.5** 1 7⁄16 | **84** 3 5⁄16 | **45** 1 25⁄32 | **56** 2 13⁄64 | **M10x1.5** | **12** 15⁄32 | **71** 2 25⁄32 | **27** 1 1⁄16 | **34.1** 1.343 | **14.3** 0.563 | **0.9** 2 |
| | 15⁄16 | UCPA205-15 | UC205-15 | | | | | | | | | | | | | |
| **25** | | UCPA205 | UC205 | | | | | | | | | | | | | |
| | 1 | UCPA205-16 | UC205-16 | | | | | | | | | | | | | |
| | 1 ⅛ | UCPA206-18 | UC206-18 | **19.5** 4384 | **11.3** 2540 | **42.9** 1 11⁄16 | **94** 3 11⁄16 | **50** 1 31⁄32 | **66** 2 19⁄32 | **M14x2.0** | **13** ½ | **84** 3 5⁄16 | **30** 1 3⁄16 | **38.1** 1.500 | **15.9** 0.626 | **1.3** 2.9 |
| **30** | | UCPA206 | UC206 | | | | | | | | | | | | | |
| | 1 3⁄16 | UCPA206-19 | UC206-19 | | | | | | | | | | | | | |
| | 1 ¼ | UCPA206-20 | UC206-20 | | | | | | | | | | | | | |

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| Shaft Dia. d | | Pillow block Designation | Bearing Designation | Basic Load Ratings | | Dimensions | | | | | | | | | | Wt. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Dynamic | Static | H | L | A | J | N | $H_1$ | $H_2$ | $L_1$ | B | S | |
| | | | | $C_r$ | $C_{0r}$ | | | | | | | | | | | |
| **mm** | in. | | | **kN** lbs | **kN** lbs | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **kg** lbs |
| | 1 ¼ | UCPA207-20 | UC207-20 | | | | | | | | | | | | | |
| | 1 5⁄16 | UCPA207-21 | UC207-21 | | | | | | | | | | | | | |
| | 1 ⅜ | UCPA207-22 | UC207-22 | **25.7** 5778 | **15.4** 3462 | **47.6** 1 7⁄8 | **110** 4 11⁄32 | **55** 2 5⁄32 | **80** 3 5⁄32 | **M14x2.0** | **13** ½ | **93** 3 21⁄32 | **38** 1 ½ | **42.9** 1.689 | **17.5** 0.689 | **2.0** 4.4 |
| **35** | | UCPA207 | UC207 | | | | | | | | | | | | | |
| | 1 7⁄16 | UCPA207-23 | UC207-23 | | | | | | | | | | | | | |
| | 1 ½ | UCPA208-24 | UC208-24 | | | | | | | | | | | | | |
| | 1 9⁄16 | UCPA208-25 | UC208-25 | **29.1** 6542 | **17.8** 4002 | **49.2** 1 15⁄16 | **116** 4 9⁄16 | **58** 2 9⁄32 | **84** 3 5⁄16 | **M14x2.0** | **13** ½ | **98** 3 27⁄32 | **36** 1 13⁄32 | **49.2** 1.937 | **19.0** 0.748 | **2.0** 4.4 |
| **40** | | UCPA208 | UC208 | | | | | | | | | | | | | |
| | 1 5⁄8 | UCPA209-26 | UC209-26 | | | | | | | | | | | | | |
| | 1 11⁄16 | UCPA209-27 | UC209-27 | **34.1** 7666 | **21.3** 4788 | **54.2** 2 9⁄64 | **120** 4 23⁄32 | **60** 2 3⁄8 | **90** 3 35⁄64 | **M14x2.0** | **13** ½ | **106** 4 3⁄16 | **42** 1 21⁄32 | **49.2** 1.937 | **19.0** 0.748 | **2.3** 5.0 |
| | 1 ¾ | UCPA209-28 | UC209-28 | | | | | | | | | | | | | |
| **45** | | UCPA209 | UC209 | | | | | | | | | | | | | |
| | 1 7⁄8 | UCPA210-30 | UC210-30 | | | | | | | | | | | | | |
| | 1 15⁄16 | UCPA210-31 | UC210-31 | **35.1** 7891 | **23.3** 5238 | **57.2** 2 ¼ | **130** 5 1⁄8 | **64** 2 17⁄32 | **94** 3 45⁄64 | **M16x2.0** | **14** 35⁄64 | **113** 4 7⁄16 | **44** 1 23⁄32 | **51.6** 2.031 | **19.0** 0.748 | **3.0** 6.6 |
| **50** | | UCPA210 | UC210 | | | | | | | | | | | | | |
| | 2 | UCPA210-32 | UC210-32 | | | | | | | | | | | | | |

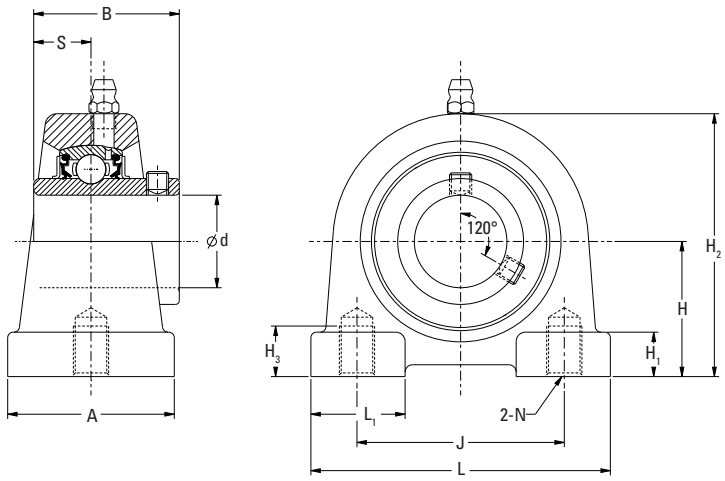
# *UCPW 200 Y SERIES WITH METRIC THREAD INDUSTRIAL SET SCREW LOCKING SERIES* CAST-IRON TAPPED BASE PILLOW BLOCK HOUSED UNITS

- UCPW Y Series tapped base pillow blocks are suggested for industrial applications where normal loads are encountered.
- Compact, one-piece housing with two-bolt mounting can be installed in any position and makes bearing replacement easy.
- These units are primarily designed for applications where the mounting area is restricted, bolt screws are accessed from the bottom of the unit and reversing moments do not occur.
- These units use wide inner ring ball bearings with self-aligning spherical outside diameters that compensate for shaft misalignment.
- Timken UCPW series housed units feature the Timken set screw locking (UC) bearing insert.
- Bearing pre-lubricated and ready for immediate installation.
- Grease fitting supplied for re-lubrication[1].
- The bonded seal design is well-suited for applications involving wet or dirty environments.
- Bolt-hole spacing and base-to-center height dimensions are interchangeable with competitive units.
- Housing designed for ease of bearing replacement.

[1] For bore sizes up to and including 210, a 1/4-28 tapered thread fitting is used. For bore sizes greater than 211, a 1/8 BSPT fitting is used.

| Shaft Dia. d | | Pillow block Designation | Bearing Designation | Basic Load Ratings | | Dimensions | | | | | | | | | | | Wt. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Dynamic | Static | H | L | A | J | N | $H_1$ | $H_2$ | $H_3$ | $L_1$ | B | S | |
| | | | | $C_r$ | $C_{0r}$ | | | | | | | | | | | | |
| **mm** | in. | | | **kN** lbs | **kN** lbs | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **kg** lbs |
| **25** | | UCPW205 | UC205 | **14.0** 3147 | **7.9** 1765 | **36.5** 1 7/16 | **70** 2 3/4 | **36** 1 13/32 | **50.8** 2 | **M10x1.5** | **13** 1/2 | **70** 2 3/4 | **13** 1/2 | **25** 63/64 | **34.1** 1.343 | **14.3** 0.563 | **0.9** 2 |
| **30** | | UCPW206 | UC206 | **19.5** 4384 | **11.3** 2540 | **42.9** 1 11/16 | **98** 3 27/32 | **40** 1 9/16 | **76.2** 3 | **M10x1.5** | **16** 5/8 | **82** 3 7/32 | **13** 1/2 | **30** 1 3/16 | **38.1** 1.500 | **15.9** 0.626 | **1.3** 2.9 |

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| Shaft Dia. d | | Pillow block Designation | Bearing Designation | Basic Load Ratings | | Dimensions | | | | | | | | | | | | Wt. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Dynamic | Static | H | L | A | J | N | $H_1$ | $H_2$ | $H_3$ | $L_1$ | B | S | | |
| | | | | $C_r$ | $C_{0r}$ | | | | | | | | | | | | | |
| **mm** | in. | | | **kN** lbs | **kN** lbs | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **kg** lbs | |
| **35** | | UCPW207 | UC207 | **25.7** 5778 | **15.4** 3462 | **47.6** 1 7/8 | **103** 4 1/16 | **45** 1 25/32 | **82.6** 3 1/4 | **M10x1.5** | **19** 3/4 | **93** 3 21/32 | **13** 1/2 | **38** 1 1/2 | **42.9** 1.689 | **17.5** 0.689 | **2.0** 4.4 | |
| **40** | | UCPW208 | UC208 | **29.1** 6542 | **17.8** 4002 | **49.2** 1 15/16 | **116** 4 9/16 | **48** 1 7/8 | **88.9** 3 1/2 | **M12x1.75** | **19** 3/4 | **99** 3 57/64 | **16** 5/8 | **36** 1 13/32 | **49.2** 1.937 | **19.0** 0.748 | **2.0** 4.4 | |

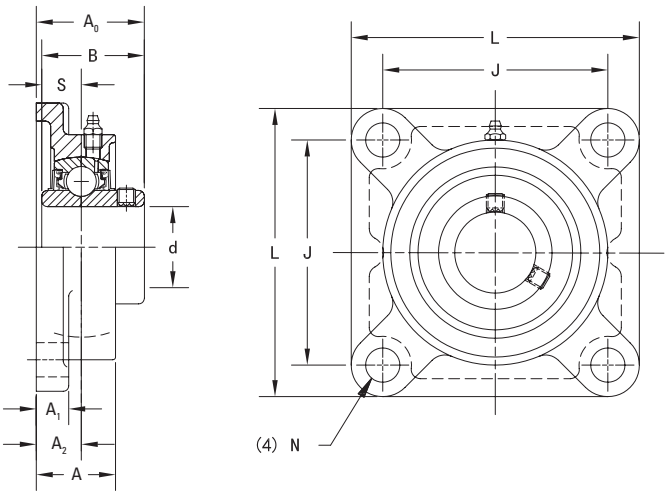
# *UCF 200 INDUSTRIAL SET SCREW LOCKING SERIES*
# CAST-IRON FOUR-BOLT FLANGED HOUSED UNITS

- UCF four-bolt flanged units are suggested for industrial applications where normal loads are encountered.
- Each unit comes assembled and ready for mounting, using bolts through the flange.
- These units use wide inner ring ball bearings with self-aligning spherical outside diameters that compensate for shaft misalignment.
- Timken UCF series housed units feature the Timken set screw locking (UC) bearing insert.
- Bearing prelubricated and ready for immediate installation.
- Grease fitting supplied for relubrication[1].
- The bonded seal design is well-suited for applications involving wet or dirty environments.
- Bolt-hole spacing dimensions and shaft center location are interchangeable with competitive units.
- Housing designed for ease of bearing replacement.

| Shaft Dia. d | | Four-Bolt Flange Designation | Bearing Designation | Basic Load Ratings | | Dimensions | | | | | | | | | Bolt Size | Wt. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Dynamic | Static | L | J | $A_1$ | A | $A_0$ | S | B | $A_2$ | N | | |
| | | | | $C_r$ | $C_{0r}$ | | | | | | | | | | | |
| **mm** | in. | | | **kN** lbs | **kN** lbs | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **kg** lbs |
| **12** | | UCF201 | UC201 | **12.8** 2878 | **6.7** 1495 | **86** 3 3/8 | **64** 2 33/64 | **11** 7/16 | **25.5** 1 | **33.3** 1 5/16 | **12.7** 0.500 | **31.0** 1.220 | **15** 19/32 | **12** 15/32 | **M10** 3/8 | **0.6** 1.4 |
| | ½ | UCF201-8 | UC201-8 | | | | | | | | | | | | | |
| **15** | | UCF202 | UC202 | | | | | | | | | | | | | |
| | ⅝ | UCF202-10 | UC202-10 | | | | | | | | | | | | | |
| **17** | | UCF203 | UC203 | | | | | | | | | | | | | |
| | ¾ | UCF-204-12 | UC204-12 | | | | | | | | | | | | | |
| **20** | | UCF-204 | UC204 | | | | | | | | | | | | | |
| | ⅞ | UCF205-14 | UC205-14 | **14.0** 3147 | **7.9** 1765 | **95** 3 ¾ | **70** 2 ¾ | **13** ½ | **27** 1 1/16 | **35.8** 1 13/32 | **14.3** 0.563 | **34.1** 1.343 | **16** ⅝ | **12** 15/32 | **M10** 3/8 | **0.8** 1.8 |
| | 15/16 | UCF205-15 | UC205-15 | | | | | | | | | | | | | |
| **25** | | UCF205 | UC205 | | | | | | | | | | | | | |
| | 1 | UCF205-16 | UC205-16 | | | | | | | | | | | | | |
| | 1 ⅛ | UCF206-18 | UC206-18 | **19.5** 4385 | **11.3** 2540 | **108** 4 ¼ | **83** 3 17/64 | **13** ½ | **31** 1 7/32 | **40.2** 1 19/32 | **15.9** 0.626 | **38.1** 1.500 | **18** 45/64 | **12** 15/32 | **M10** 3/8 | **1.2** 2.6 |
| **30** | | UCF206 | UC206 | | | | | | | | | | | | | |
| | 1 3/16 | UCF206-19 | UC206-19 | | | | | | | | | | | | | |
| | 1 ¼ | UCF206-20 | UC206-20 | | | | | | | | | | | | | |
| | 1 ¼ | UCF207-20 | UC207-20 | **25.7** 5778 | **15.4** 3462 | **117** 4 19/32 | **92** 3 ⅝ | **15** 19/32 | **34** 1 11/32 | **44.4** 1 ¾ | **17.5** 0.689 | **42.9** 1.689 | **19** ¾ | **14** 35/64 | **M12** 7/16 | **1.5** 3.3 |
| | 1 5/16 | UCF207-21 | UC207-21 | | | | | | | | | | | | | |
| | 1 ⅜ | UCF207-22 | UC207-22 | | | | | | | | | | | | | |
| **35** | | UCF207 | UC207 | | | | | | | | | | | | | |
| | 1 7/16 | UCF207-23 | UC207-23 | | | | | | | | | | | | | |
| | 1 ½ | UCF208-24 | UC208-24 | **29.1** 6542 | **17.8** 4002 | **130** 5 ⅛ | **102** 4 1/64 | **15** 19/32 | **36** 1 13/32 | **51.2** 2 1/32 | **19.0** 0.748 | **49.2** 1.937 | **21** 53/64 | **16** ⅝ | **M14** ½ | **1.9** 4.2 |
| | 1 9/16 | UCF208-25 | UC208-25 | | | | | | | | | | | | | |
| **40** | | UCF208 | UC208 | | | | | | | | | | | | | |
| | 1 ⅝ | UCF209-26 | UC209-26 | **34.1** 7666 | **21.3** 4788 | **137** 5 13/32 | **105** 4 9/64 | **16** ⅝ | **38** 1 ½ | **52.2** 2 1/16 | **19.0** 0.748 | **49.2** 1.937 | **22** 55/64 | **16** ⅝ | **M14** ½ | **2.2** 4.9 |
| | 1 11/16 | UCF209-27 | UC209-27 | | | | | | | | | | | | | |
| | 1 ¾ | UCF209-28 | UC209-28 | | | | | | | | | | | | | |
| **45** | | UCF209 | UC209 | | | | | | | | | | | | | |

[1] For bore sizes up to and including 210, a ¼-28 tapered thread fitting is used. For bore sizes greater than 211, a ⅛ BSPT fitting is used.

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| Shaft Dia. d | | Four-Bolt Flange Designation | Bearing Designation | Basic Load Ratings | | Dimensions | | | | | | | | | Bolt Size | Wt. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Dynamic | Static | L | J | $A_1$ | A | $A_0$ | S | B | $A_2$ | N | | |
| | | | | $C_r$ | $C_{0r}$ | | | | | | | | | | | |
| **mm** | in. | | | **kN** lbs | **kN** lbs | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **kg** lbs |
| | 1 7/8 | UCF210-30 | UC210-30 | | | | | | | | | | | | | |
| | 1 15/16 | UCF210-31 | UC210-31 | **35.1** | **23.3** | **143** | **111** | **16** | **40** | **54.6** | **19.0** | **51.6** | **22** | **16** | **M14** | **2.5** |
| **50** | | UCF210 | UC210 | 7891 | 5238 | 5 5/8 | 4 3/8 | 5/8 | 1 9/16 | 2 5/32 | 0.748 | 2.031 | 55/64 | 5/8 | 1/2 | 5.5 |
| | 2 | UCF210-32 | UC210-32 | | | | | | | | | | | | | |
| | 2 | UCF211-32 | UC211-32 | | | | | | | | | | | | | |
| | 2 1/8 | UCF211-34 | UC211-34 | **43.4** | **29.4** | **162** | **130** | **18** | **43** | **58.4** | **22.2** | **55.6** | **25** | **19** | **M16** | **3.4** |
| **55** | | UCF211 | UC211 | 9757 | 6609 | 6 3/8 | 5 1/8 | 23/32 | 1 11/16 | 2 19/64 | 0.874 | 2.189 | 63/64 | 3/4 | 5/8 | 7.5 |
| | 2 3/16 | UCF211-35 | UC211-35 | | | | | | | | | | | | | |
| | 2 1/4 | UCF212-36 | UC212-36 | | | | | | | | | | | | | |
| **60** | | UCF212 | UC212 | **52.4** | **36.2** | **175** | **143** | **18** | **48** | **68.7** | **25.4** | **65.1** | **29** | **19** | **M16** | **4.2** |
| | 2 3/8 | UCF212-38 | UC212-38 | 11780 | 8138 | 6 7/8 | 5 5/8 | 23/32 | 1 7/8 | 2 45/64 | 1.000 | 2.563 | 1 9/64 | 3/4 | 5/8 | 9.3 |
| | 2 7/16 | UCF212-39 | UC212-39 | | | | | | | | | | | | | |
| | 2 1/2 | UCF213-40 | UC213-40 | **57.2** | **40.1** | **187** | **149** | **22** | **50** | **69.7** | **25.4** | **65.1** | **30** | **19** | **M16** | **5.2** |
| **65** | | UCF213 | UC213 | 12859 | 9015 | 7 3/8 | 5 55/64 | 7/8 | 1 31/32 | 2 3/4 | 1.000 | 2.563 | 1 3/16 | 3/4 | 5/8 | 11.5 |
| | 2 3/4 | UCF214-44 | UC214-44 | **62.2** | **44.1** | **193** | **152** | **22** | **54** | **75.4** | **30.2** | **74.6** | **31** | **19** | **M16** | **5.9** |
| **70** | | UCF214 | UC214 | 13983 | 9914 | 7 19/32 | 5 63/64 | 7/8 | 2 1/8 | 2 31/32 | 1.189 | 2.937 | 1 7/32 | 3/4 | 5/8 | 13.0 |
| | 2 15/16 | UCF215-47 | UC215-47 | | | | | | | | | | | | | |
| **75** | | UCF215 | UC215 | **67.4** | **48.3** | **200** | **159** | **22** | **56** | **78.5** | **33.3** | **77.8** | **34** | **19** | **M16** | **6.4** |
| | 3 | UCF215-48 | UC215-48 | 15152 | 10858 | 7 7/8 | 6 17/64 | 7/8 | 2 7/32 | 3 3/32 | 1.311 | 3.060 | 1 11/32 | 3/4 | 5/8 | 14.1 |
| | 3 1/8 | UCF216-50 | UC216-50 | **72.7** | **53.0** | **208** | **165** | **22** | **58** | **83.3** | **33.3** | **82.6** | **34** | **23** | **M20** | **7.3** |
| **80** | | UCF216 | UC216 | 16344 | 11915 | 8 3/16 | 6 1/2 | 7/8 | 2 9/32 | 3 9/32 | 1.311 | 3.252 | 1 11/32 | 29/32 | 3/4 | 16.1 |
| | 3 1/4 | UCF217-52 | UC217-52 | **84.0** | **61.9** | **220** | **175** | **24** | **63** | **87.6** | **34.1** | **85.7** | **36** | **23** | **M20** | **8.9** |
| **85** | | UCF217 | UC217 | 18884 | 13916 | 8 21/32 | 6 57/64 | 15/16 | 2 15/32 | 3 29/64 | 1.343 | 3.374 | 1 27/64 | 29/32 | 3/4 | 19.6 |
| | 3 1/2 | UCF218-56 | UC218-56 | **96.1** | **71.5** | **235** | **187** | **25** | **68** | **96.3** | **39.7** | **96.0** | **40** | **23** | **M20** | **11.4** |
| **90** | | UCF218 | UC218 | 21604 | 16074 | 9 1/4 | 7 23/64 | 31/32 | 2 11/16 | 3 25/32 | 1.563 | 3.780 | 1 37/64 | 29/32 | 3/4 | 25.1 |

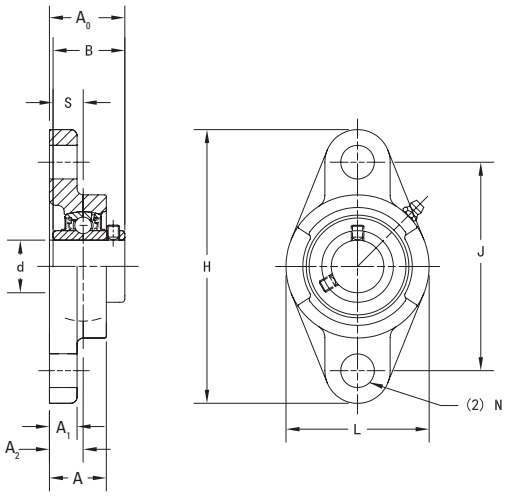
# *UCFL 200 INDUSTRIAL SET SCREW LOCKING SERIES*
# CAST-IRON TWO-BOLT FLANGED HOUSED UNITS

- UCFL two-bolt flanged units are suggested for industrial applications where normal loads are encountered.
- This series is primarily designed for applications where the mounting area is restricted.
- Each unit comes assembled and ready for mounting, using bolts through the flange.
- These units use wide inner ring ball bearings with self-aligning spherical outside diameters that compensate for shaft misalignment.
- Timken UCFL series housed units feature the Timken set screw locking (UC) bearing insert.
- Bearing prelubricated and ready for immediate installation.
- Grease fitting supplied for relubrication[1].
- The bonded seal design is well-suited for applications involving wet or dirty environments.
- Bolt-hole spacing dimensions and shaft center location are interchangeable with competitive units.
- Housing designed for ease of bearing replacement.

| Shaft Dia. d | | Two-Bolt Flange Designation | Bearing Designation | Basic Load Ratings | | Dimensions | | | | | | | | | | Bolt Size | Wt. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Dynamic | Static | H | J | $A_1$ | A | $A_0$ | L | $A_2$ | S | B | N | | |
| | | | | $C_r$ | $C_{0r}$ | | | | | | | | | | | | |
| **mm** | in. | | | **kN** lbs | **kN** lbs | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **kg** lbs |
| **12** | | UCFL201 | UC201 | | | | | | | | | | | | | | |
| | ½ | UCFL201-8 | UC201-8 | | | | | | | | | | | | | | |
| **15** | | UCFL202 | UC202 | | | | | | | | | | | | | | |
| | ⅝ | UCFL202-10 | UC202-10 | **12.8** 2878 | **6.7** 1495 | **113** 4 7⁄16 | **90** 3 35⁄64 | **11** 7⁄16 | **25.5** 1 | **33.3** 1 5⁄16 | **60** 2 3⁄8 | **15** 19⁄32 | **12.7** 0.500 | **31.0** 1.220 | **12** 15⁄32 | **M10** 3⁄8 | **0.5** 1.1 |
| **17** | | UCFL203 | UC203 | | | | | | | | | | | | | | |
| | ¾ | UCFL204-12 | UC204-12 | | | | | | | | | | | | | | |
| **20** | | UCFL204 | UC204 | | | | | | | | | | | | | | |
| | ⅞ | UCFL205-14 | UC205-14 | | | | | | | | | | | | | | |
| | 15⁄16 | UCFL205-15 | UC205-15 | **14.0** 3147 | **7.9** 1765 | **130** 5 1⁄8 | **99** 3 57⁄64 | **13** ½ | **27** 1 1⁄16 | **35.8** 1 13⁄32 | **68** 2 11⁄16 | **16** ⅝ | **14.3** 0.563 | **34.1** 1.343 | **16** ⅝ | **M14** ½ | **0.6** 1.3 |
| **25** | | UCFL205 | UC205 | | | | | | | | | | | | | | |
| | 1 | UCFL205-16 | UC205-16 | | | | | | | | | | | | | | |
| | 1 1⁄8 | UCFL206-18 | UC206-18 | | | | | | | | | | | | | | |
| **30** | | UCFL206 | UC206 | **19.5** 4385 | **11.3** 2540 | **148** 5 13⁄16 | **117** 4 39⁄64 | **13** ½ | **31** 1 7⁄32 | **40.2** 1 37⁄64 | **80** 3 5⁄32 | **18** 45⁄64 | **15.9** 0.626 | **38.1** 1.500 | **16** ⅝ | **M14** ½ | **1.0** 2.2 |
| | 1 3⁄16 | UCFL206-19 | UC206-19 | | | | | | | | | | | | | | |
| | 1 ¼ | UCFL206-20 | UC206-20 | | | | | | | | | | | | | | |
| | 1 ¼ | UCFL207-20 | UC207-20 | | | | | | | | | | | | | | |
| | 1 5⁄16 | UCFL207-21 | UC207-21 | | | | | | | | | | | | | | |
| | 1 ⅜ | UCFL207-22 | UC207-22 | **25.7** 5778 | **15.4** 3462 | **161** 6 11⁄32 | **130** 5 1⁄8 | **14** 9⁄16 | **34** 1 11⁄32 | **44.4** 1 ¾ | **90** 3 17⁄32 | **19** ¾ | **17.5** 0.689 | **42.9** 1.689 | **16** ⅝ | **M14** ½ | **1.2** 2.6 |
| **35** | | UCFL207 | UC207 | | | | | | | | | | | | | | |
| | 1 7⁄16 | UCFL207-23 | UC207-23 | | | | | | | | | | | | | | |
| | 1 ½ | UCFL208-24 | UC208-24 | | | | | | | | | | | | | | |
| | 1 9⁄16 | UCFL208-25 | UC208-25 | **29.1** 6542 | **17.8** 4002 | **175** 6 ⅞ | **144** 5 43⁄64 | **14** 9⁄16 | **36** 1 13⁄32 | **51.2** 2 1⁄64 | **100** 3 15⁄16 | **21** 53⁄64 | **19.0** 0.748 | **49.2** 1.937 | **16** ⅝ | **M14** ½ | **1.6** 3.5 |
| **40** | | UCFL208 | UC208 | | | | | | | | | | | | | | |
| | 1 ⅝ | UCFL209-26 | UC209-26 | | | | | | | | | | | | | | |
| | 1 11⁄16 | UCFL209-27 | UC209-27 | **34.1** 7666 | **21.3** 4788 | **188** 7 13⁄32 | **148** 5 53⁄64 | **15** 19⁄32 | **38** 1 ½ | **52.2** 2 1⁄16 | **108** 4 ¼ | **22** 55⁄64 | **19.0** 0.748 | **49.2** 1.937 | **19** ¾ | **M16** ⅝ | **1.9** 4.2 |
| | 1 ¾ | UCFL209-28 | UC209-28 | | | | | | | | | | | | | | |
| **45** | | UCFL209 | UC209 | | | | | | | | | | | | | | |

[1] For bore sizes up to and including 210, a ¼-28 tapered thread fitting is used. For bore sizes greater than 211, a ⅛ BSPT fitting is used.

*Continued on next page.*




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| Shaft Dia. d | | Two-Bolt Flange Designation | Bearing Designation | Basic Load Ratings | | Dimensions | | | | | | | | | | Bolt Size | Wt. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Dynamic | Static | H | J | $A_1$ | A | $A_0$ | L | $A_2$ | S | B | N | | |
| | | | | $C_r$ | $C_{0r}$ | | | | | | | | | | | | |
| **mm** | in. | | | **kN** lbs | **kN** lbs | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **kg** lbs |
| | 1 7/8 | UCFL210-30 | UC210-30 | | | | | | | | | | | | | | |
| | 1 15/16 | UCFL210-31 | UC210-31 | **35.1** | **23.3** | **197** | **157** | **15** | **40** | **54.6** | **115** | **22** | **19.0** | **51.6** | **19** | **M16** | **2.2** |
| **50** | | UCFL210 | UC210 | 7891 | 5238 | 7 3/4 | 6 3/16 | 19/32 | 1 9/16 | 2 5/32 | 4 17/32 | 55/64 | 0.748 | 2.031 | 3/4 | 5/8 | 4.9 |
| | 2 | UCFL210-32 | UC210-32 | | | | | | | | | | | | | | |
| | 2 | UCFL211-32 | UC211-32 | | | | | | | | | | | | | | |
| | 2 1/8 | UCFL211-34 | UC211-34 | **43.4** | **29.4** | **224** | **184** | **18** | **43** | **58.4** | **130** | **25** | **22.2** | **55.6** | **19** | **M16** | **3.3** |
| **55** | | UCFL211 | UC211 | 9757 | 6609 | 8 13/16 | 7 1/4 | 23/32 | 1 11/16 | 2 19/64 | 5 1/8 | 63/64 | 0.874 | 2.189 | 3/4 | 5/8 | 7.3 |
| | 2 3/16 | UCFL211-35 | UC211-35 | | | | | | | | | | | | | | |
| | 2 1/4 | UCFL212-36 | UC212-36 | | | | | | | | | | | | | | |
| **60** | | UCFL212 | UC212 | **52.4** | **36.2** | **250** | **202** | **18** | **48** | **68.7** | **140** | **29** | **25.4** | **65.1** | **23** | **M20** | **4.2** |
| | 2 3/8 | UCFL212-38 | UC212-38 | 11780 | 8138 | 9 27/32 | 7 61/64 | 23/32 | 1 7/8 | 2 45/64 | 5 1/2 | 1 9/64 | 1.000 | 2.563 | 29/32 | 3/4 | 9.3 |
| | 2 7/16 | UCFL212-39 | UC212-39 | | | | | | | | | | | | | | |
| | 2 1/2 | UCFL213-40 | UC213-40 | **57.2** | **40.1** | **258** | **210** | **20** | **50** | **69.7** | **155** | **30** | **25.4** | **65.1** | **23** | **M20** | **5.1** |
| **65** | | UCFL213 | UC213 | 12859 | 9015 | 10 5/32 | 8 17/64 | 25/32 | 1 31/32 | 2 3/4 | 6 3/32 | 1 3/16 | 1.000 | 2.563 | 29/32 | 3/4 | 11.2 |
| | 2 3/4 | UCFL214-44 | UC214-44 | **62.2** | **44.1** | **265** | **216** | **20** | **54** | **75.4** | **160** | **31** | **30.2** | **74.6** | **23** | **M20** | **5.7** |
| **70** | | UCFL214 | UC214 | 13983 | 9914 | 10 7/16 | 8 1/2 | 25/32 | 2 1/8 | 2 31/32 | 6 5/16 | 1 7/32 | 1.189 | 2.937 | 29/32 | 3/4 | 12.6 |
| | 2 15/16 | UCFL215-47 | UC215-47 | | | | | | | | | | | | | | |
| **75** | | UCFL215 | UC215 | **67.4** | **48.3** | **275** | **225** | **20** | **56** | **78.5** | **165** | **34** | **33.3** | **77.8** | **23** | **M20** | **6.4** |
| | 3 | UCFL215-48 | UC215-48 | 15152 | 10858 | 12 13/16 | 8 55/64 | 25/32 | 2 7/32 | 3 3/32 | 6 1/2 | 1 11/32 | 1.311 | 3.063 | 29/32 | 3/4 | 14.1 |
| | 3 1/8 | UCFL216-50 | UC216-50 | **72.7** | **53.0** | **290** | **233** | **20** | **58** | **83.3** | **180** | **34** | **33.3** | **82.6** | **25** | **M22** | **7.8** |
| **80** | | UCFL216 | UC216 | 16344 | 11915 | 11 13/32 | 9 11/64 | 25/32 | 2 9/32 | 3 9/32 | 7 3/32 | 1 11/32 | 1.311 | 3.252 | 63/64 | 7/8 | 17.2 |
| | 3 1/4 | UCFL217-52 | UC217-52 | **84.0** | **61.9** | **305** | **248** | **22** | **63** | **87.6** | **190** | **36** | **34.1** | **85.7** | **25** | **M22** | **9.8** |
| **85** | | UCFL217 | UC217 | 18884 | 13916 | 12 | 9 49/64 | 7/8 | 2 15/32 | 3 29/64 | 7 15/32 | 1 27/64 | 1.343 | 3.374 | 63/64 | 7/8 | 21.6 |
| | 3 1/2 | UCFL218-56 | UC218-56 | **96.1** | **71.5** | **320** | **265** | **23** | **68** | **96.3** | **205** | **40** | **39.7** | **96.0** | **25** | **M22** | **12.3** |
| **90** | | UCFL218 | UC218 | 21604 | 16074 | 12 19/32 | 10 7/16 | 29/32 | 2 11/16 | 3 51/64 | 8 1/16 | 1 37/64 | 1.563 | 3.780 | 63/64 | 7/8 | 27.1 |

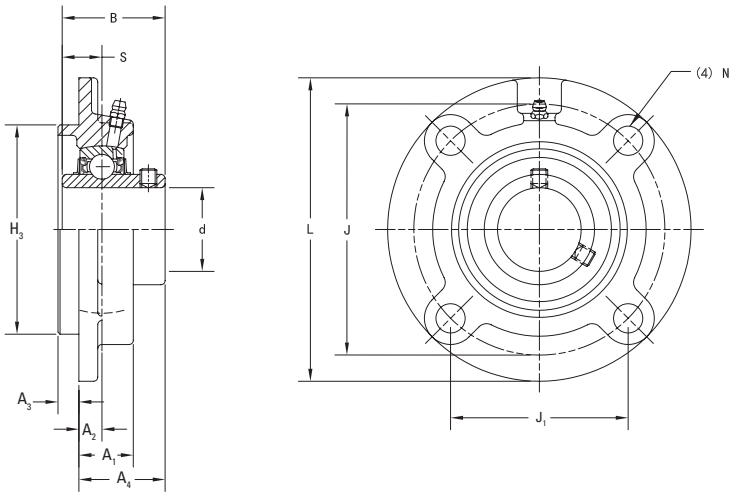
# *UCFC 200 INDUSTRIAL SET SCREW LOCKING SERIES*
# CAST-IRON PILOTED ROUND FLANGED HOUSED UNITS

- UCFC piloted flanged units are suggested for industrial applications where normal loads are encountered.
- UCFC piloted round flanged units ensure accurate mounting fits and provide better support for heavy loads.
- Each unit comes assembled and ready for mounting, using bolts through the flange.
- These units use wide inner ring ball bearings with self-aligning spherical outside diameters that compensate for shaft misalignment.
- Timken UCFC series housed units feature the Timken set screw locking (UC) bearing insert.
- Bearing prelubricated and ready for immediate installation.
- Grease fitting supplied for relubrication[1].
- The bonded seal design is well-suited for industrial applications involving wet or dirty environments.
- Bolt-hole spacing dimensions and shaft center location are interchangeable with competitive units.
- Housing designed for ease of bearing replacement.

| Shaft Dia. d | | Round Flange Cartridge Designation | Bearing Designation | Basic Load Ratings | | Dimensions | | | | | | | | | | | Bolt Size | Wt. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Dynamic | Static | L | J | $J_1$ | $A_1$ | $A_2$ | $A_3$ | $A_4$ | $H_3$ | S | B | N | | |
| | | | | $C_r$ | $C_{0r}$ | | | | | | | | | | | | | |
| **mm** | in. | | | **kN** lbs. | **kN** lbs. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **kg** lbs. |
| **12** | | UCFC201 | UC201 | **12.8** 2878 | **6.7** 1495 | **100** 3 15⁄16 | **78** 3 5⁄64 | **55.1** 2 11⁄64 | **20.5** 13⁄16 | **10** 25⁄64 | **5** 13⁄64 | **28.3** 1 1⁄8 | **62** 2.441 | **12.7** 0.500 | **31.0** 1.220 | **12** 15⁄32 | **M10** 3⁄8 | **0.7** 1.5 |
| | ½ | UCFC201-8 | UC201-8 | | | | | | | | | | | | | | | |
| **15** | | UCFC202 | UC202 | | | | | | | | | | | | | | | |
| | ⅝ | UCFC202-10 | UC202-10 | | | | | | | | | | | | | | | |
| **17** | | UCFC203 | UC203 | | | | | | | | | | | | | | | |
| | ¾ | UCFC204-12 | UC204-12 | | | | | | | | | | | | | | | |
| **20** | | UCFC204 | UC204 | | | | | | | | | | | | | | | |
| | ⅞ | UCFC205-14 | UC205-14 | **14.0** 3147 | **7.9** 1765 | **115** 4 17⁄32 | **90** 3 35⁄64 | **63.6** 2 ½ | **21** 13⁄16 | **10** 25⁄64 | **6** 15⁄64 | **29.8** 1 3⁄16 | **70** 2.756 | **14.3** 0.563 | **34.1** 1.343 | **12** 15⁄32 | **M10** 3⁄8 | **1.0** 2.2 |
| | 15⁄16 | UCFC205-15 | UC205-15 | | | | | | | | | | | | | | | |
| **25** | | UCFC205 | UC205 | | | | | | | | | | | | | | | |
| | 1 | UCFC205-16 | UC205-16 | | | | | | | | | | | | | | | |
| | 1 ⅛ | UCFC206-18 | UC206-18 | **19.5** 4384 | **11.3** 2540 | **125** 4 29⁄32 | **100** 3 15⁄16 | **70.7** 2 25⁄32 | **23** 29⁄32 | **10** 25⁄64 | **8** 5⁄16 | **32.2** 1 9⁄32 | **80** 3.150 | **15.9** 0.626 | **38.1** 1.500 | **12** 15⁄32 | **M10** 3⁄8 | **1.3** 2.9 |
| **30** | | UCFC206 | UC206 | | | | | | | | | | | | | | | |
| | 1 3⁄16 | UCFC206-19 | UC206-19 | | | | | | | | | | | | | | | |
| | 1 ¼ | UCFC206-20 | UC206-20 | | | | | | | | | | | | | | | |
| | 1 ¼ | UCFC207-20 | UC207-20 | **25.7** 5778 | **15.4** 3462 | **135** 5 5⁄16 | **110** 4 21⁄64 | **77.8** 3 1⁄16 | **26** 1 1⁄32 | **11** 7⁄16 | **8** 5⁄16 | **36.4** 1 7⁄16 | **90** 3.543 | **17.5** 0.689 | **42.9** 1.689 | **14** 35⁄64 | **M12** 7⁄16 | **1.7** 3.7 |
| | 1 5⁄16 | UCFC207-21 | UC207-21 | | | | | | | | | | | | | | | |
| | 1 ⅜ | UCFC207-22 | UC207-22 | | | | | | | | | | | | | | | |
| **35** | | UCFC207 | UC207 | | | | | | | | | | | | | | | |
| | 1 7⁄16 | UCFC207-23 | UC207-23 | | | | | | | | | | | | | | | |
| | 1 ½ | UCFC208-24 | UC208-24 | **29.1** 6542 | **17.8** 4002 | **145** 5 23⁄32 | **120** 4 23⁄32 | **84.8** 3 11⁄32 | **26** 1 1⁄32 | **11** 7⁄16 | **10** 25⁄64 | **41.2** 1 5⁄8 | **100** 3.937 | **19.0** 0.748 | **49.2** 1.937 | **14** 35⁄64 | **M12** 7⁄16 | **2.0** 4.4 |
| | 1 9⁄16 | UCFC208-25 | UC208-25 | | | | | | | | | | | | | | | |
| **40** | | UCFC208 | UC208 | | | | | | | | | | | | | | | |
| | 1 ⅝ | UCFC209-26 | UC209-26 | **34.1** 7666 | **21.3** 4788 | **160** 6 5⁄16 | **132** 5 13⁄64 | **93.3** 3 43⁄64 | **26** 1 1⁄32 | **10** 25⁄64 | **12** 15⁄32 | **40.2** 1 19⁄32 | **105** 4.134 | **19.0** 0.748 | **49.2** 1.937 | **16** ⅝ | **M14** ½ | **2.6** 5.7 |
| | 1 11⁄16 | UCFC209-27 | UC209-27 | | | | | | | | | | | | | | | |
| | 1 ¾ | UCFC209-28 | UC209-28 | | | | | | | | | | | | | | | |
| **45** | | UCFC209 | UC209 | | | | | | | | | | | | | | | |

[1] For bore sizes up to and including 210, a ¼-28 tapered thread fitting is used. For bore sizes greater than 211, a ⅛ BSPT fitting is used.

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| Shaft Dia. d | | Round Flange Cartridge Designation | Bearing Designation | Basic Load Ratings | | Dimensions | | | | | | | | | | | Bolt Size | Wt. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Dynamic | Static | L | J | $J_1$ | $A_1$ | $A_2$ | $A_3$ | $A_4$ | $H_3$ | S | B | N | | |
| | | | | $C_r$ | $C_{0r}$ | | | | | | | | | | | | | |
| **mm** | in. | | | **kN** lbs. | **kN** lbs. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **kg** lbs. |
| | 1 7/8 | UCFC210-30 | UC210-30 | | | | | | | | | | | | | | | |
| | 1 15/16 | UCFC210-31 | UC210-31 | **35.1** | **23.3** | **165** | **138** | **97.6** | **28** | **10** | **12** | **42.6** | **110** | **19.0** | **51.6** | **16** | **M14** | **2.9** |
| **50** | | UCFC210 | UC210 | 7891 | 5238 | 6 1/2 | 5 7/16 | 3 27/32 | 1 3/32 | 25/64 | 15/32 | 1 11/16 | 4.331 | 0.748 | 2.031 | 5/8 | 1/2 | 6.4 |
| | 2 | UCFC210-32 | UC210-32 | | | | | | | | | | | | | | | |
| | 2 | UCFC211-32 | UC211-32 | | | | | | | | | | | | | | | |
| | 2 1/8 | UCFC211-34 | UC211-34 | **43.4** | **29.4** | **185** | **150** | **106.1** | **31** | **13** | **12** | **46.4** | **125** | **22.2** | **55.6** | **19** | **M16** | **4.2** |
| **55** | | UCFC211 | UC211 | 9757 | 6609 | 7 9/32 | 5 29/32 | 4 11/64 | 1 7/32 | 33/64 | 15/32 | 1 13/16 | 4.921 | 0.874 | 2.189 | 3/4 | 5/8 | 9.3 |
| | 2 3/16 | UCFC211-35 | UC211-35 | | | | | | | | | | | | | | | |
| | 2 1/4 | UCFC212-36 | UC212-36 | | | | | | | | | | | | | | | |
| **60** | | UCFC212 | UC212 | **52.4** | **36.2** | **195** | **160** | **113.1** | **36** | **17** | **12** | **56.7** | **135** | **25.4** | **65.1** | **19** | **M16** | **5.0** |
| | 2 3/8 | UCFC212-38 | UC212-38 | 11780 | 8138 | 7 11/16 | 6 19/64 | 4 29/64 | 1 13/32 | 43/64 | 15/32 | 2 7/32 | 5.315 | 1.000 | 2.563 | 3/4 | 5/8 | 11.0 |
| | 2 7/16 | UCFC212-39 | UC212-39 | | | | | | | | | | | | | | | |
| | 2 1/2 | UCFC213-40 | UC213-40 | **57.2** | **40.1** | **205** | **170** | **120.2** | **36** | **16** | **14** | **55.7** | **145** | **25.4** | **65.1** | **19** | **M16** | **5.6** |
| **65** | | UCFC213 | UC213 | 12859 | 9015 | 8 1/16 | 6 11/16 | 4 47/64 | 1 13/32 | 5/8 | 35/64 | 2 3/16 | 5.709 | 1.000 | 2.563 | 3/4 | 5/8 | 12.3 |
| | 2 3/4 | UCFC214-44 | UC214-44 | **62.2** | **44.1** | **215** | **177** | **125.1** | **40** | **17** | **14** | **61.4** | **150** | **30.2** | **74.6** | **19** | **M16** | **6.8** |
| **70** | | UCFC214 | UC214 | 13983 | 9914 | 8 15/32 | 6 31/32 | 4 59/64 | 1 37/64 | 43/64 | 35/64 | 2 13/32 | 5.906 | 1.189 | 2.937 | 3/4 | 5/8 | 15.0 |
| | 2 15/16 | UCFC215-47 | UC215-47 | | | | | | | | | | | | | | | |
| **75** | | UCFC215 | UC215 | **67.4** | **48.3** | **220** | **184** | **130.1** | **40** | **18** | **16** | **62.5** | **160** | **33.3** | **77.8** | **19** | **M16** | **7.2** |
| | 3 | UCFC215-48 | UC215-48 | 15152 | 10858 | 8 21/32 | 7 1/4 | 5 1/8 | 1 37/64 | 45/64 | 5/8 | 2 15/32 | 6.299 | 1.311 | 3.063 | 3/4 | 5/8 | 15.9 |
| | 3 1/8 | UCFC216-50 | UC216-50 | **72.7** | **53.0** | **240** | **200** | **141.4** | **42** | **18** | **16** | **67.3** | **170** | **33.3** | **82.6** | **23** | **M20** | **8.7** |
| **80** | | UCFC216 | UC216 | 16344 | 11915 | 9 7/16 | 7 7/8 | 5 9/16 | 1 21/32 | 45/64 | 5/8 | 2 21/32 | 6.693 | 1.311 | 3.252 | 29/32 | 3/4 | 19.2 |
| | 3 1/4 | UCFC217-52 | UC217-52 | **84.0** | **61.9** | **250** | **208** | **147.1** | **45** | **18** | **18** | **69.6** | **180** | **34.1** | **85.7** | **23** | **M20** | **11.7** |
| **85** | | UCFC217 | UC217 | 18884 | 13916 | 9 27/32 | 8 3/16 | 5 51/64 | 1 25/32 | 45/64 | 45/64 | 2 3/4 | 7.086 | 1.343 | 3.374 | 29/32 | 3/4 | 25.8 |
| | 3 1/2 | UCFC218-56 | UC218-56 | **96.1** | **71.5** | **265** | **220** | **155.5** | **50** | **22** | **18** | **78.3** | **190** | **39.7** | **96.0** | **23** | **M20** | **14.8** |
| **90** | | UCFC218 | UC218 | 21604 | 16074 | 10 7/16 | 8 21/32 | 6 1/8 | 1 31/32 | 55/64 | 45/64 | 3 3/32 | 7.480 | 1.563 | 3.780 | 29/32 | 3/4 | 32.6 |

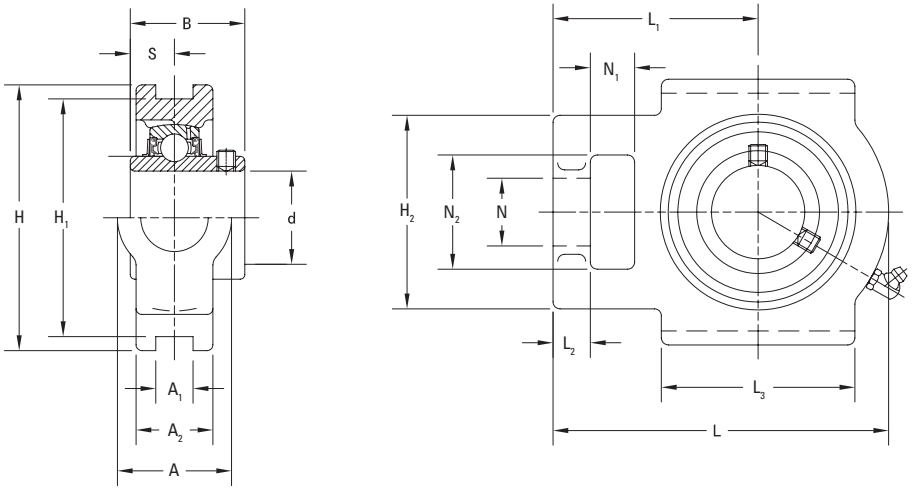
# *UCT 200 INDUSTRIAL SET SCREW LOCKING SERIES*
# CAST-IRON TAKE-UP HOUSED UNITS

- UCT take-up units are suggested for industrial applications where normal loads are encountered.
- UCT take-up units are used where shaft adjustment and belt-tightening devices are required, such as in conveyor applications.
- These units provide compact, efficient supports for adjustable shafts and conveyer take-up pulleys.
- Each unit comes assembled and ready for mounting.
- These units use wide inner ring ball bearings with self-aligning spherical outside diameters that compensate for shaft misalignment.
- Timken UCT series housed units feature the Timken set screw locking (UC) bearing insert.
- Bearing prelubricated and ready for immediate installation.
- Grease fitting supplied for relubrication[1].
- The bonded seal design is well-suited for industrial applications involving wet or dirty environments.
- Slot spacing and width are interchangeable with competitive units.
- Housing designed for ease of bearing replacement.

| Shaft Dia. d | | Take-Up Unit Designation | Bearing Designation | Basic Load Ratings | | Dimensions | | | | | | | | | | | | | | | Wt. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Dynamic | Static | H | $H_1$ | $L_2$ | $L_1$ | $A_2$ | A | N | L | $H_2$ | S | B | $L_3$ | $N_1$ | $N_2$ | $A_1$ | |
| | | | | $C_r$ | $C_{0r}$ | | | | | | | | | | | | | | | | |
| **mm** | in. | | | **kN** lbs | **kN** lbs | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **kg** lbs |
| **12** | | UCT201 | UC201 | **12.8** 2878 | **6.7** 1495 | **89** 3 ½ | **76** 2 63/64 | **10** 13/32 | **61** 2 13/32 | **21** 13/16 | **32** 1 ¼ | **19** ¾ | **94** 3 11/16 | **51** 2 | **12.7** 0.500 | **31.0** 1.220 | **51** 2 | **16** ⅝ | **32** 1 ¼ | **12** 15/32 | **0.8** 1.8 |
| | ½ | UCT201-8 | UC201-8 | | | | | | | | | | | | | | | | | | |
| **15** | | UCT202 | UC202 | | | | | | | | | | | | | | | | | | |
| | ⅝ | UCT202-10 | UC202-10 | | | | | | | | | | | | | | | | | | |
| **17** | | UCT203 | UC203 | | | | | | | | | | | | | | | | | | |
| | ¾ | UCT204-12 | UC204-12 | | | | | | | | | | | | | | | | | | |
| **20** | | UCT204 | UC204 | | | | | | | | | | | | | | | | | | |
| | ⅞ | UCT205-14 | UC205-14 | **14.0** 3147 | **7.9** 1765 | **89** 3 ½ | **76** 2 63/64 | **10** 13/32 | **62** 2 7/16 | **24** 15/16 | **32** 1 ¼ | **19** ¾ | **97** 3 13/16 | **51** 2 | **14.3** 0.563 | **34.1** 1.343 | **51** 2 | **16** ⅝ | **32** 1 ¼ | **12** 15/32 | **0.8** 1.9 |
| | 15/16 | UCT205-15 | UC205-15 | | | | | | | | | | | | | | | | | | |
| **25** | | UCT205 | UC205 | | | | | | | | | | | | | | | | | | |
| | 1 | UCT205-16 | UC205-16 | | | | | | | | | | | | | | | | | | |
| | 1 ⅛ | UCT206-18 | UC206-18 | **19.5** 4385 | **11.3** 2540 | **102** 4 1/32 | **89** 3 ½ | **10** 13/32 | **70** 2 ¾ | **28** 1 3/32 | **37** 1 15/32 | **22** ⅞ | **113** 4 7/16 | **56** 2 7/32 | **15.9** 0.626 | **38.1** 1.500 | **57** 2 ¼ | **16** ⅝ | **37** 1 15/32 | **12** 15/32 | **1.3** 2.9 |
| **30** | | UCT206 | UC206 | | | | | | | | | | | | | | | | | | |
| | 1 3/16 | UCT206-19 | UC206-19 | | | | | | | | | | | | | | | | | | |
| | 1 ¼ | UCT206-20 | UC206-20 | | | | | | | | | | | | | | | | | | |
| | 1 ¼ | UCT207-20 | UC207-20 | **25.7** 5778 | **15.4** 3462 | **102** 4 1/32 | **89** 3 ½ | **13** ½ | **78** 3 1/16 | **30** 1 3/16 | **37** 1 15/32 | **22** ⅞ | **129** 5 3/32 | **64** 2 17/32 | **17.5** 0.689 | **42.9** 1.689 | **64** 2 17/32 | **16** ⅝ | **37** 1 15/32 | **12** 15/32 | **1.6** 3.5 |
| | 1 5/16 | UCT207-21 | UC207-21 | | | | | | | | | | | | | | | | | | |
| | 1 ⅜ | UCT207-22 | UC207-22 | | | | | | | | | | | | | | | | | | |
| **35** | | UCT207 | UC207 | | | | | | | | | | | | | | | | | | |
| | 1 7/16 | UCT207-23 | UC207-23 | | | | | | | | | | | | | | | | | | |
| | 1 ½ | UCT208-24 | UC208-24 | **29.1** 6542 | **17.8** 4002 | **114** 4 ½ | **102** 4 1/64 | **16** ⅝ | **88** 3 15/32 | **33** 1 5/16 | **49** 1 15/16 | **29** 1 5/32 | **144** 5 21/32 | **83** 3 9/32 | **19.0** 0.748 | **49.2** 1.937 | **83** 3 9/32 | **19** ¾ | **49** 1 15/16 | **16** ⅝ | **2.5** 5.5 |
| | 1 9/16 | UCT208-25 | UC208-25 | | | | | | | | | | | | | | | | | | |
| **40** | | UCT208 | UC208 | | | | | | | | | | | | | | | | | | |
| | 1 ⅝ | UCT209-26 | UC209-26 | **34.1** 7666 | **21.3** 4788 | **117** 4 19/32 | **102** 4 1/64 | **16** ⅝ | **87** 3 7/16 | **35** 1 ⅜ | **49** 1 15/16 | **29** 1 5/32 | **144** 5 21/32 | **83** 3 9/32 | **19.0** 0.748 | **49.2** 1.937 | **83** 3 9/32 | **19** ¾ | **49** 1 15/16 | **16** ⅝ | **2.5** 5.5 |
| | 1 11/16 | UCT209-27 | UC209-27 | | | | | | | | | | | | | | | | | | |
| | 1 ¾ | UCT209-28 | UC209-28 | | | | | | | | | | | | | | | | | | |
| **45** | | UCT209 | UC209 | | | | | | | | | | | | | | | | | | |

[1] For bore sizes up to and including 210, a ¼-28 tapered thread fitting is used. For bore sizes greater than 211, a ⅛ BSPT fitting is used.

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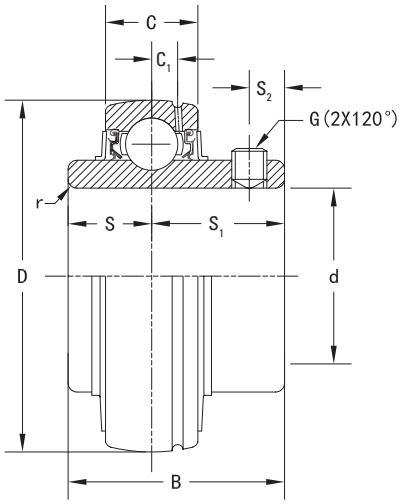
| Shaft Dia. d | | Take-Up Unit Designation | Bearing Designation | Basic Load Ratings | | Dimensions | | | | | | | | | | | | | | | Wt. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Dynamic | Static | H | $H_1$ | $L_2$ | $L_1$ | $A_2$ | A | N | L | $H_2$ | S | B | $L_3$ | $N_1$ | $N_2$ | $A_1$ | |
| | | | | $C_r$ | $C_{0r}$ | | | | | | | | | | | | | | | | |
| **mm** | in. | | | **kN** lbs | **kN** lbs | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **kg** lbs |
| | 1 7/8 | UCT210-30 | UC210-30 | | | | | | | | | | | | | | | | | | |
| | 1 15/16 | UCT210-31 | UC210-31 | **35.1** | **23.3** | **117** | **102** | **16** | **90** | **37** | **49** | **29** | **149** | **83** | **19.0** | **51.6** | **86** | **19** | **49** | **16** | **2.6** |
| **50** | | UCT210 | UC210 | 7891 | 5238 | 4 19/32 | 4 1/64 | 5/8 | 3 17/32 | 1 15/32 | 1 15/16 | 1 5/32 | 5 7/8 | 3 9/32 | 0.748 | 2.031 | 3 3/8 | 3/4 | 1 15/16 | 5/8 | 5.7 |
| | 2 | UCT210-32 | UC210-32 | | | | | | | | | | | | | | | | | | |
| | 2 | UCT211-32 | UC211-32 | | | | | | | | | | | | | | | | | | |
| | 2 1/8 | UCT211-34 | UC211-34 | **43.4** | **29.4** | **146** | **130** | **19** | **106** | **38** | **64** | **35** | **171** | **102** | **22.2** | **55.6** | **95** | **25** | **64** | **22** | **4.0** |
| **55** | | UCT211 | UC211 | 9757 | 6609 | 5 3/4 | 5 1/8 | 3/4 | 4 3/16 | 1 1/2 | 2 17/32 | 1 3/8 | 6 23/32 | 4 1/32 | 0.874 | 2.189 | 3 3/4 | 31/32 | 2 17/32 | 55/64 | 8.8 |
| | 2 3/16 | UCT211-35 | UC211-35 | | | | | | | | | | | | | | | | | | |
| | 2 1/4 | UCT212-36 | UC212-36 | | | | | | | | | | | | | | | | | | |
| **60** | | UCT212 | UC212 | **52.4** | **36.2** | **146** | **130** | **19** | **119** | **42** | **64** | **35** | **194** | **102** | **25.4** | **65.1** | **102** | **32** | **64** | **22** | **4.9** |
| | 2 3/8 | UCT212-38 | UC212-38 | 11780 | 8138 | 5 3/4 | 5 1/8 | 3/4 | 4 11/16 | 1 21/32 | 2 17/32 | 1 3/8 | 7 5/8 | 4 1/32 | 1.000 | 2.563 | 4 1/32 | 1 1/4 | 2 17/32 | 55/64 | 10.8 |
| | 2 7/16 | UCT212-39 | UC212-39 | | | | | | | | | | | | | | | | | | |
| | 2 1/2 | UCT213-40 | UC213-40 | **57.2** | **40.1** | **167** | **151** | **21** | **137** | **44** | **70** | **41** | **224** | **111** | **25.4** | **65.1** | **121** | **32** | **70** | **26** | **6.9** |
| **65** | | UCT213 | UC213 | 12859 | 9015 | 6 9/16 | 5 15/16 | 13/16 | 5 13/32 | 1 23/32 | 2 3/4 | 1 5/8 | 8 13/16 | 4 3/8 | 1.000 | 2.563 | 4 3/4 | 1 1/4 | 2 3/4 | 1 1/32 | 15.2 |
| | 2 3/4 | UCT214-44 | UC214-44 | **62.2** | **44.1** | **167** | **151** | **21** | **137** | **46** | **70** | **41** | **224** | **111** | **30.2** | **74.6** | **121** | **32** | **70** | **26** | **7.0** |
| **70** | | UCT214 | UC214 | 13983 | 9914 | 6 9/16 | 5 15/16 | 13/16 | 5 13/32 | 1 13/16 | 2 3/4 | 1 5/8 | 8 13/16 | 4 3/8 | 1.189 | 2.937 | 4 3/4 | 1 1/4 | 2 3/4 | 1 1/32 | 15.4 |
| | 2 15/16 | UCT215-47 | UC215-47 | | | | | | | | | | | | | | | | | | |
| **75** | | UCT215 | UC215 | **67.4** | **48.3** | **167** | **151** | **21** | **140** | **48** | **70** | **41** | **232** | **111** | **33.3** | **77.8** | **121** | **32** | **70** | **26** | **7.3** |
| | 3 | UCT215-48 | UC215-48 | 15152 | 10858 | 6 9/16 | 5 15/16 | 13/16 | 5 1/2 | 1 7/8 | 2 3/4 | 1 5/8 | 9 1/8 | 4 3/8 | 1.331 | 3.063 | 4 3/4 | 1 1/4 | 2 3/4 | 1 1/32 | 16.1 |
| | 3 1/8 | UCT216-50 | UC216-50 | **72.7** | **53.0** | **184** | **165** | **21** | **140** | **51** | **70** | **41** | **235** | **111** | **33.3** | **82.6** | **121** | **32** | **70** | **26** | **8.2** |
| **80** | | UCT216 | UC216 | 16344 | 11915 | 7 1/4 | 6 1/2 | 13/16 | 5 1/2 | 2 | 2 3/4 | 1 5/8 | 9 1/4 | 4 3/8 | 1.331 | 3.252 | 4 3/4 | 1 1/4 | 2 3/4 | 1 1/32 | 18.1 |
| | 3 1/4 | UCT217-52 | UC217-52 | **84.0** | **61.9** | **198** | **173** | **29** | **162** | **54** | **73** | **48** | **260** | **124** | **34.1** | **85.7** | **157** | **38** | **73** | **30** | **11.0** |
| **85** | | UCT217 | UC217 | 18884 | 13916 | 7 25/32 | 6 13/16 | 1 5/32 | 6 3/8 | 2 1/8 | 2 7/8 | 1 7/8 | 10 1/4 | 4 7/8 | 1.343 | 3.374 | 6 3/16 | 1 1/2 | 2 7/8 | 1 3/16 | 24.3 |

# *UC 200 INDUSTRIAL SET SCREW LOCKING SERIES*
# WIDE INNER RING BALL BEARINGS

- The UC wide inner ring ball bearing uses a popular set screw locking mechanism and is suggested for industrial applications where normal loads are encountered.
- The set screw mounting feature is ideal for reversing load applications.
- Bearing prelubricated and ready for immediate installation.
- The wide inner ring provides effective shaft support for a broad range of industrial applications.
- The positive contact of the land-riding bonded nitrile seal helps protect against harmful contaminants and retains lubricant under severe operating conditions.
- An external steel flinger provides additional protection from contamination.
- The UC series features superfinished raceways, grade-10 balls for smooth running and low noise operation.
- UC series wide inner ring ball bearings have spherical outside diameters for use in housings with corresponding spherical inside surfaces to compensate for shaft misalignment.

| Shaft Dia. d | | Bearing Designation | Basic Load Ratings | | Dimensions | | | | | | | Min. Fillet Radius | Set Screw Size | Wt. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Dynamic | Static | D | C | B | $S_2$ | $C_1$ | S | $S_1$ | r (min.) | G | |
| | | | $C_r$ | $C_{0r}$ | | | | | | | | | | |
| **mm** | in. | | **kN** lbs | **kN** lbs | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | | **kg** lbs |
| **12** | | UC201 | **12.8** 2878 | **6.7** 1495 | **47** 1.850 | **16** 0.630 | **31.0** 1.220 | **5.0** 0.197 | **3.9** 0.153 | **12.7** 0.500 | **18.3** 0.720 | **0.6** 0.024 | M6×0.75 | **0.2** 0.5 |
| | ½ | UC201-8 | | | | | | | | | | | ¼-28UNF | **0.2** 0.5 |
| **15** | | UC202 | | | | | | | | | | | M6×0.75 | **0.2** 0.4 |
| | ⅝ | UC202-10 | | | | | | | | | | | ¼-28UNF | **0.2** 0.4 |
| **17** | | UC203 | | | | | | | | | | | M6×0.75 | **0.2** 0.4 |
| | ¾ | UC204-12 | **12.8** 2878 | **6.7** 1495 | **47** 1.850 | **16** 0.630 | **31.0** 1.220 | **5.0** 0.197 | **3.9** 0.153 | **12.7** 0.500 | **18.3** 0.720 | **1** 0.039 | ¼-28UNF | **0.2** 0.4 |
| **20** | | UC204 | | | | | | | | | | | M6×0.75 | **0.2** 0.4 |
| | ⅞ | UC205-14 | **14.0** 3147 | **7.9** 1765 | **52** 2.047 | **17** 0.669 | **34.1** 1.343 | **5.5** 0.217 | **4.5** 0.177 | **14.3** 0.563 | **19.8** 0.780 | **1** 0.039 | ¼-28UNF | **0.2** 0.5 |
| | 15⁄16 | UC205-15 | | | | | | | | | | | ¼-28UNF | **0.2** 0.4 |
| **25** | | UC205 | | | | | | | | | | | M6×0.75 | **0.2** 0.5 |
| | 1 | UC205-16 | | | | | | | | | | | ¼-28UNF | **0.2** 0.4 |
| | 1 1⁄8 | UC206-18 | **19.5** 4385 | **11.3** 2540 | **62** 2.441 | **19** 0.748 | **38.1** 1.500 | **6.0** 0.236 | **5.0** 0.197 | **15.9** 0.626 | **22.2** 0.874 | **1** 0.039 | ¼-28UNF | **0.3** 0.7 |
| **30** | | UC206 | | | | | | | | | | | M6×0.75 | **0.3** 0.7 |
| | 1 3⁄16 | UC206-19 | | | | | | | | | | | ¼-28UNF | **0.3** 0.7 |
| | 1 ¼ | UC206-20 | | | | | | | | | | | ¼-28UNF | **0.3** 0.7 |
| | 1 ¼ | UC207-20 | **25.7** 5778 | **15.4** 3462 | **72** 2.835 | **20** 0.787 | **42.9** 1.689 | **6.5** 0.256 | **5.7** 0.224 | **17.5** 0.689 | **25.4** 1.000 | **1.1** 0.043 | 5⁄16-24UNF | **0.5** 1.2 |
| | 1 5⁄16 | UC207-21 | | | | | | | | | | | 5⁄16-24UNF | **0.5** 1.1 |
| | 1 ⅜ | UC207-22 | | | | | | | | | | | 5⁄16-24UNF | **0.5** 1.1 |
| **35** | | UC207 | | | | | | | | | | | M8×1 | **0.5** 1.1 |
| | 1 7⁄16 | UC207-23 | | | | | | | | | | | 5⁄16-28UNF | **0.5** 1.0 |
| | 1 ½ | UC208-24 | **29.1** 6542 | **17.8** 4002 | **80** 3.150 | **21** 0.827 | **49.2** 1.937 | **8.0** 0.315 | **5.9** 0.232 | **19.0** 0.748 | **30.2** 1.189 | **1.1** 0.043 | 5⁄16-24UNF | **0.7** 1.5 |
| | 1 9⁄16 | UC208-25 | | | | | | | | | | | 5⁄16-24UNF | **0.6** 1.3 |
| **40** | | UC208 | | | | | | | | | | | M8×1 | **0.6** 1.4 |
| | 1 ⅝ | UC209-26 | **34.1** 7666 | **21.3** 4788 | **85** 3.346 | **22** 0.866 | **49.2** 1.937 | **8.0** 0.315 | **6.0** 0.236 | **19.0** 0.748 | **30.2** 1.189 | **1.1** 0.043 | 5⁄16-24UNF | **0.8** 1.7 |
| | 1 11⁄16 | UC209-27 | | | | | | | | | | | 5⁄16-24UNF | **0.7** 1.6 |
| | 1 ¾ | UC209-28 | | | | | | | | | | | 5⁄16-24UNF | **0.7** 1.5 |
| **45** | | UC209 | | | | | | | | | | | M8×1 | **0.7** 1.5 |

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| Shaft Dia. d | | Bearing Designation | Basic Load Ratings | | Dimensions | | | | | | | Min. Fillet Radius | Set Screw Size | Wt. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Dynamic | Static | D | C | B | $S_2$ | $C_1$ | S | $S_1$ | r (min.) | G | |
| | | | $C_r$ | $C_{0r}$ | | | | | | | | | | |
| **mm** | in. | | **kN** lbs | **kN** lbs | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | | **kg** lbs |
| | 1 7/8 | UC210-30 | **35.1** 7891 | **23.3** 5238 | **90** 3.543 | **24** 0.945 | **51.6** 2.031 | **9.0** 0.354 | **6.0** 0.236 | **19.0** 0.748 | **32.6** 1.283 | **1.1** 0.043 | 3/8 - 24UNF | **0.9** 1.9 |
| | 1 15/16 | UC210-31 | | | | | | | | | | | 3/8 - 24UNF | **0.8** 1.8 |
| **50** | | UC210 | | | | | | | | | | | M10×1.25 | **0.8** 1.8 |
| | 2 | UC210-32 | | | | | | | | | | | 3/8-24UNF | **0.8** 1.7 |
| | 2 | UC211-32 | **43.4** 9757 | **29.4** 6609 | **100** 3.937 | **25** 0.984 | **55.6** 2.189 | **9.0** 0.354 | **7.0** 0.276 | **22.2** 0.874 | **33.4** 1.315 | **1.5** 0.059 | 3/8 - 24UNF | **1.3** 2.8 |
| | 2 1/8 | UC211-34 | | | | | | | | | | | 3/8-24UNF | **1.2** 2.5 |
| **55** | | UC211 | | | | | | | | | | | M10×1.25 | **1.1** 2.4 |
| | 2 3/16 | UC211-35 | | | | | | | | | | | 3/8-24UNF | **1.1** 2.4 |
| | 2 1/4 | UC212-36 | **52.4** 11780 | **36.2** 8138 | **110** 4.331 | **27** 1.063 | **65.1** 2.563 | **10.5** 0.413 | **7.4** 0.291 | **25.4** 1.000 | **39.7** 1.563 | **1.5** 0.059 | 3/8-24UNF | **1.7** 3.7 |
| **60** | | UC212 | | | | | | | | | | | M10×1.25 | **1.5** 3.4 |
| | 2 3/8 | UC212-38 | | | | | | | | | | | 3/8-24UNF | **1.5** 3.4 |
| | 2 7/16 | UC212-39 | | | | | | | | | | | 3/8-24UNF | **1.5** 3.2 |
| | 2 1/2 | UC213-40 | **57.2** 12859 | **40.1** 9015 | **120** 4.724 | **28** 1.102 | **65.1** 2.563 | **12.0** 0.472 | **7.5** 0.295 | **25.4** 1.000 | **39.7** 1.563 | **1.5** 0.059 | 1/2-20UNF | **1.9** 4.2 |
| **65** | | UC213 | | | | | | | | | | | M12×1.5 | **1.9** 4.1 |
| | 2 3/4 | UC214-44 | **62.2** 13983 | **44.1** 9914 | **125** 4.921 | **30** 1.181 | **74.6** 2.937 | **12.0** 0.472 | **9.0** 0.354 | **30.2** 1.189 | **44.4** 1.748 | **1.5** 0.059 | 1/2-20UNF | **2.1** 4.5 |
| **70** | | UC214 | | | | | | | | | | | M12×1.5 | **2.1** 4.5 |
| | 2 15/16 | UC215-47 | **67.4** 15152 | **48.3** 10858 | **130** 5.118 | **32** 1.260 | **77.8** 3.063 | **12.0** 0.472 | **9.0** 0.354 | **33.3** 1.311 | **44.5** 1.752 | **1.5** 0.059 | 1/2-20UNF | **2.2** 4.9 |
| **75** | | UC215 | | | | | | | | | | | M12×1.5 | **2.2** 4.9 |
| | 3 | UC215-48 | | | | | | | | | | | 1/2-20UNF | **2.1** 4.7 |
| | 3 1/8 | UC216-50 | **72.7** 16344 | **53.0** 11915 | **140** 5.512 | **33** 1.299 | **82.6** 3.252 | **14.0** 0.551 | **8.9** 0.350 | **33.3** 1.311 | **49.3** 1.941 | **2.0** 0.079 | 1/2-20UNF | **2.8** 6.3 |
| **80** | | UC216 | | | | | | | | | | | M12×1.5 | **2.8** 6.2 |
| | 3 1/4 | UC217-52 | **84.0** 18884 | **61.9** 13916 | **150** 5.906 | **35** 1.378 | **85.7** 3.374 | **14.0** 0.551 | **9.8** 0.386 | **34.1** 1.343 | **51.6** 2.031 | **2.0** 0.079 | 1/2-20UNF | **3.7** 8.1 |
| **85** | | UC217 | | | | | | | | | | | M12×1.5 | **3.5** 7.6 |
| | 3 1/2 | UC218-56 | **96.1** 21604 | **71.5** 16074 | **160** 6.299 | **38** 1.496 | **96.0** 3.78 | **15.0** 0.591 | **11.1** 0.437 | **39.7** 1.563 | **56.3** 2.217 | **2.0** 0.079 | 1/2-20UNF | **4.5** 9.8 |
| **90** | | UC218 | | | | | | | | | | | M12×1.5 | **4.4** 9.6 |

# *UEL 200 INDUSTRIAL ECCENTRIC LOCKING COLLAR SERIES*

The following topics are covered within this section:

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UELF 200 Four-Bolt Flanged Housed Units. . . . . 40
UELFL 200 Two-Bolt Flanged Housed Units . . . . . 42
UELFC 200 Piloted Round Flanged Housed Units . . . . . 44
UELT 200 Take-Up Housed Units . . . . . 46
UEL 200 Wide Inner Ring Ball Bearings . . . . . 48



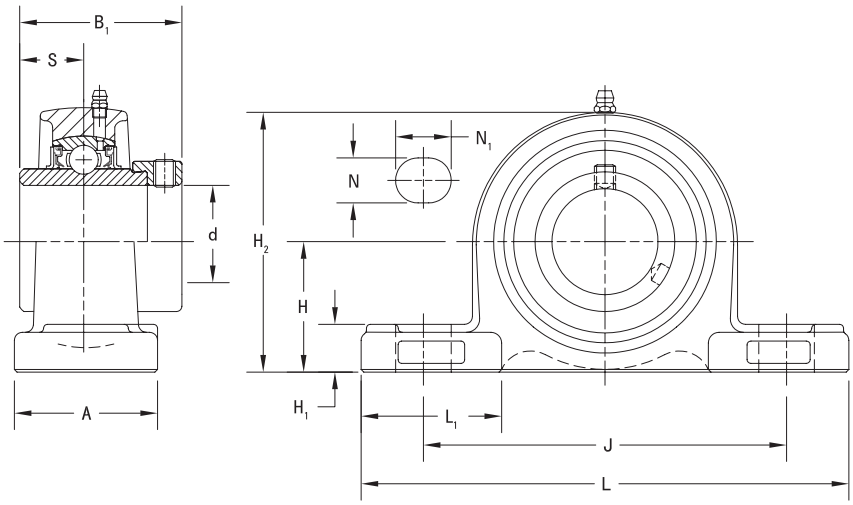
# *UELP 200 INDUSTRIAL ECCENTRIC LOCKING COLLAR SERIES*
# CAST-IRON PILLOW BLOCK HOUSED UNITS

- UELP pillow blocks are suggested for industrial applications where normal loads are encountered.
- Compact, one-piece housing with two-bolt mounting can be installed in any position and makes bearing replacement easy.
- These units use wide inner ring ball bearings with self-aligning spherical outside diameters that compensate for shaft misalignment.
- Timken UELP series housed units feature the Timken eccentric locking collar (UEL) bearing insert.
- Bearing prelubricated and ready for immediate installation.
- Grease fitting supplied for relubrication[1].
- The bonded seal design is well-suited for applications involving wet or dirty environments.
- Bolt-hole spacing and base-to-center height dimensions are interchangeable with competitive units.
- Housing designed for ease of bearing replacement.

| Shaft Dia. d | | Pillow Block Designation | Bearing Designation | Basic Load Ratings | | Dimensions | | | | | | | | | | | Bolt Size | Wt. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Dynamic | Static | H | L | $L_1$ | A | $H_1$ | J | $H_2$ | S | $B_1$ | N | $N_1$ | | |
| | | | | $C_r$ | $C_{0r}$ | | | | | | | | | | | | | |
| **mm** | in. | | | **kN** lbs | **kN** lbs | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **kg** lbs |
| **12** | | UELP201 | UEL201 | **12.8** 2878 | **6.7** 1495 | **30.2** 1 3/16 | **127** 5 | **36** 1 13/32 | **38** 1 1/2 | **16** 5/8 | **95** 3 3/4 | **60** 2 3/8 | **17.1** 0.673 | **43.7** 1.720 | **13** 1/2 | **18** 23/32 | **M10** 3/8 | **0.8** 1.7 |
| | 1/2 | UELP201-8 | UEL201-8 | | | | | | | | | | | | | | | |
| **15** | | UELP202 | UEL202 | | | | | | | | | | | | | | | |
| | 5/8 | UELP202-10 | UEL202-10 | | | | | | | | | | | | | | | |
| **17** | | UELP203 | UEL203 | | | | | | | | | | | | | | | |
| | 3/4 | UELP204-12 | UEL204-12 | **12.8** 2878 | **6.7** 1495 | **33.3** 1 5/16 | **127** 5 | **36** 1 13/32 | **38** 1 1/2 | **16** 5/8 | **95** 3 3/4 | **65** 2 9/16 | **17.1** 0.673 | **43.7** 1.720 | **13** 1/2 | **18** 23/32 | **M10** 3/8 | **0.8** 1.7 |
| **20** | | UELP204 | UEL204 | | | | | | | | | | | | | | | |
| | 7/8 | UELP205-14 | UEL205-14 | **14.0** 3147 | **7.9** 1765 | **36.5** 1 7/16 | **140** 5 1/2 | **38** 1 1/2 | **38** 1 1/2 | **16** 5/8 | **105** 4 1/8 | **70** 2 3/4 | **17.5** 0.689 | **44.4** 1.748 | **13** 1/2 | **18** 23/32 | **M10** 3/8 | **0.9** 2.0 |
| | 15/16 | UELP205-15 | UEL205-15 | | | | | | | | | | | | | | | |
| **25** | | UELP205 | UEL205 | | | | | | | | | | | | | | | |
| | 1 | UELP205-16 | UEL205-16 | | | | | | | | | | | | | | | |
| | 1 1/8 | UELP206-18 | UEL206-18 | **19.5** 4384 | **11.3** 2540 | **42.9** 1 11/16 | **165** 6 1/2 | **48** 1 7/8 | **48** 1 7/8 | **17** 21/32 | **121** 4 3/4 | **84** 3 5/16 | **18.3** 0.720 | **48.4** 1.906 | **17** 21/32 | **21** 13/16 | **M14** 1/2 | **1.4** 3.1 |
| **30** | | UELP206 | UEL206 | | | | | | | | | | | | | | | |
| | 1 3/16 | UELP206-19 | UEL206-19 | | | | | | | | | | | | | | | |
| | 1 1/4 | UELP206-20 | UEL206-20 | | | | | | | | | | | | | | | |
| | 1 1/4 | UELP207-20 | UEL207-20 | **25.7** 5778 | **15.4** 3462 | **47.6** 1 7/8 | **167** 6 9/16 | **47** 1 27/32 | **48** 1 7/8 | **18** 23/32 | **127** 5 | **95** 3 3/4 | **18.8** 0.740 | **51.1** 2.012 | **17** 21/32 | **21** 13/16 | **M14** 1/2 | **1.8** 4.0 |
| | 1 5/16 | UELP207-21 | UEL207-21 | | | | | | | | | | | | | | | |
| | 1 3/8 | UELP207-22 | UEL207-22 | | | | | | | | | | | | | | | |
| **35** | | UELP207 | UEL207 | | | | | | | | | | | | | | | |
| | 1 7/16 | UELP207-23 | UEL207-23 | | | | | | | | | | | | | | | |
| | 1 1/2 | UELP208-24 | UEL208-24 | **29.1** 6542 | **17.8** 4002 | **49.2** 1 15/16 | **184** 7 1/4 | **53** 2 3/32 | **54** 2 1/8 | **18** 23/32 | **137** 5 13/32 | **98** 3 27/32 | **21.4** 0.843 | **56.3** 2.217 | **17** 21/32 | **21** 13/16 | **M14** 1/2 | **2.2** 4.9 |
| | 1 9/16 | UELP208-25 | UEL208-25 | | | | | | | | | | | | | | | |
| **40** | | UELP208 | UEL208 | | | | | | | | | | | | | | | |

[1] For bore sizes up to and including 210, a 1/4-28 tapered thread fitting is used. For bore sizes greater than 211, a 1/8 BSPT fitting is used.

*Continued on next page.*




*Continued from previous page.*

| Shaft Dia. d | | Pillow Block Designation | Bearing Designation | Basic Load Ratings | | Dimensions | | | | | | | | | | | Bolt Size | Wt. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Dynamic | Static | H | L | $L_1$ | A | $H_1$ | J | $H_2$ | S | $B_1$ | N | $N_1$ | | |
| | | | | $C_r$ | $C_{0r}$ | | | | | | | | | | | | | |
| **mm** | in. | | | **kN** lbs | **kN** lbs | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **kg** lbs |
| | 1 5/8 | UELP209-26 | UEL209-26 | | | | | | | | | | | | | | | |
| | 1 11/16 | UELP209-27 | UEL209-27 | **34.1** | **21.3** | **54.0** | **190** | **55** | **54** | **20** | **146** | **106** | **21.4** | **56.3** | **17** | **21** | **M14** | **2.5** |
| | 1 3/4 | UELP209-28 | UEL209-28 | 7666 | 4788 | 2 1/8 | 7 15/32 | 2 5/32 | 2 1/8 | 25/32 | 5 3/4 | 4 3/16 | 0.843 | 2.217 | 21/32 | 13/16 | 1/2 | 5.5 |
| **45** | | UELP209 | UEL209 | | | | | | | | | | | | | | | |
| | 1 7/8 | UELP210-30 | UEL210-30 | | | | | | | | | | | | | | | |
| | 1 15/16 | UELP210-31 | UEL210-31 | **35.1** | **23.3** | **57.2** | **206** | **60** | **60** | **21** | **159** | **113** | **24.6** | **62.7** | **20** | **22** | **M16** | **3.2** |
| **50** | | UELP210 | UEL210 | 7891 | 5238 | 2 1/4 | 8 1/8 | 2 3/8 | 2 3/8 | 13/16 | 6 1/4 | 4 7/16 | 0.969 | 2.469 | 25/32 | 7/8 | 5/8 | 7.1 |
| | 2 | UELP210-32 | UEL210-32 | | | | | | | | | | | | | | | |
| | 2 | UELP211-32 | UEL211-32 | | | | | | | | | | | | | | | |
| | 2 1/8 | UELP211-34 | UEL211-34 | **43.4** | **29.4** | **63.5** | **219** | **65** | **60** | **23** | **171** | **125** | **27.8** | **71.4** | **20** | **22** | **M16** | **4.0** |
| **55** | | UELP211 | UEL211 | 9757 | 6609 | 2 1/2 | 8 5/8 | 2 9/16 | 2 3/8 | 29/32 | 6 23/32 | 4 29/32 | 1.094 | 2.811 | 25/32 | 7/8 | 5/8 | 8.8 |
| | 2 3/16 | UELP211-35 | UEL211-35 | | | | | | | | | | | | | | | |
| | 2 1/4 | UELP212-36 | UEL212-36 | | | | | | | | | | | | | | | |
| **60** | | UELP212 | UEL212 | **52.4** | **36.2** | **69.8** | **241** | **73** | **70** | **25** | **184** | **138** | **31.0** | **77.8** | **20** | **25** | **M16** | **5.2** |
| | 2 7/16 | UELP212-39 | UEL212-39 | 11780 | 8138 | 2 3/4 | 9 1/2 | 2 7/8 | 2 3/4 | 31/32 | 7 1/4 | 5 7/16 | 1.220 | 3.063 | 25/32 | 31/32 | 5/8 | 11.5 |
| | 2 1/2 | UEL213-40 | UEL213-40 | **57.2** | **40.1** | **76.2** | **265** | **78** | **70** | **27** | **203** | **150** | **34.1** | **85.7** | **25** | **30** | **M20** | **6.5** |
| **65** | | UELP213 | UEL213 | 12859 | 9015 | 3 | 10 7/16 | 3 1/16 | 2 3/4 | 1 1/16 | 8 | 5 29/32 | 1.343 | 3.374 | 31/32 | 1 3/16 | 3/4 | 14.3 |
| | 2 3/4 | UELP214-44 | UEL214-44 | **62.2** | **44.1** | **79.4** | **266** | **75** | **72** | **27** | **210** | **157** | **34.1** | **85.7** | **25** | **30** | **M20** | **7.4** |
| **70** | | UELP214 | UEL214 | 13983 | 9914 | 3 1/8 | 10 15/32 | 2 61/64 | 2 27/32 | 1 1/16 | 8 9/32 | 6 3/16 | 1.343 | 3.374 | 31/32 | 1 3/16 | 3/4 | 16.3 |
| | 2 15/16 | UELP215-47 | UEL215-47 | | | | | | | | | | | | | | | |
| **75** | | UELP215 | UEL215 | **67.4** | **48.3** | **82.6** | **275** | **78** | **74** | **28** | **217** | **162** | **37.3** | **92.1** | **25** | **30** | **M20** | **7.9** |
| | 3 | UELP215-48 | UEL215-48 | 15152 | 10858 | 3 1/4 | 10 13/16 | 3 1/16 | 2 29/32 | 1 3/32 | 8 17/32 | 6 3/8 | 1.469 | 3.626 | 31/32 | 1 3/16 | 3/4 | 17.4 |

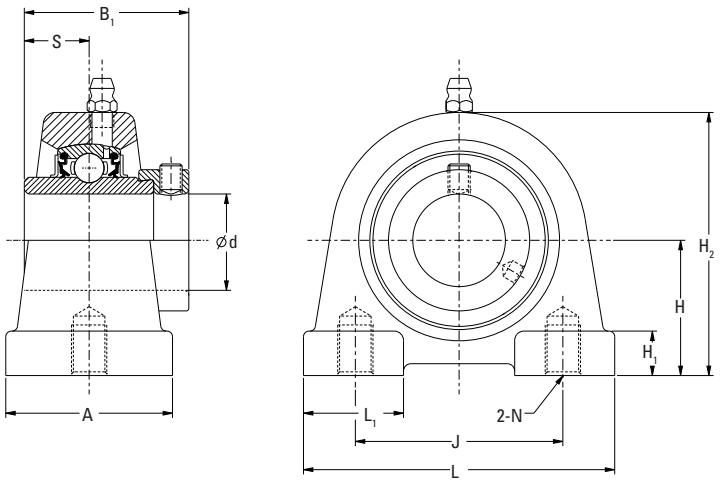
# *UELPA 200 INDUSTRIAL ECCENTRIC LOCKING COLLAR SERIES CAST-IRON TAPPED BASE PILLOW BLOCK HOUSED UNITS*

- UELPA tapped base pillow blocks are suggested for industrial applications where normal loads are encountered.
- Compact, one-piece housing with two-bolt mounting can be installed in any position and makes bearing replacement easy.
- These units are primarily designed for applications where the mounting area is restricted, bolt screws are accessed from the bottom of the unit and reversing moments do not occur.
- These units use wide inner ring ball bearings with self-aligning spherical outside diameters that compensate for shaft misalignment.
- Timken UELPA series housed units feature the Timken eccentric locking collar (UEL) bearing insert.
- Bearing prelubricated and ready for immediate installation.
- Grease fitting supplied for relubrication(1).
- The bonded seal design is well-suited for applications involving wet or dirty environments.
- Bolt-hole spacing and base-to-center height dimensions are interchangeable with competitive units.
- Housing designed for ease of bearing replacement

(1) For bore sizes up to and including 210, a 1/4-28 tapered thread fitting is used. For bore sizes greater than 211, a 1/8 BSPT fitting is used.

| Shaft Dia. d | | Pilow block Designation | Bearing Designation | Basic Load Ratings | | Dimensions | | | | | | | | | | Weight |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Dynamic | Static | H | L | A | J | N | $H_1$ | $H_2$ | $L_1$ | $B_1$ | S | |
| | | | | $C_r$ | $C_{0r}$ | | | | | | | | | | | |
| **mm** | in. | | | **kN** lbs | **kN** lbs | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **kg** lbs |
| **12** | | UELPA201 | UEL201 | | | | | | | | | | | | | |
| | ½ | UELPA201-8 | UEL201-8 | | | | | | | | | | | | | |
| **15** | | UELPA202 | UEL202 | | | | | | | | | | | | | |
| | ⅝ | UELPA202-10 | UEL202-10 | **12.8** 2878 | **6.7** 1495 | **30.2** 1 3⁄16 | **76** 3 | **40** 1 9⁄16 | **52** 2 3⁄64 | **M10x1.5** | **11** 7⁄16 | **60** 2 3⁄8 | **25** 63⁄64 | **43.7** 1.720 | **17.1** 0.673 | **0.6** 1.3 |
| **17** | | UELPA203 | UEL203 | | | | | | | | | | | | | |
| | ¾ | UELPA204-12 | UEL204-12 | | | | | | | | | | | | | |
| **20** | | UELPA204 | UELPA204 | | | | | | | | | | | | | |
| | ⅞ | UELPA205-14 | UEL205-14 | | | | | | | | | | | | | |
| | 15⁄16 | UELPA205-15 | UEL205-15 | **14.0** 3147 | **7.9** 1765 | **36.5** 1 7⁄16 | **84** 3 5⁄16 | **45** 1 25⁄32 | **56** 2 13⁄64 | **M10x1.5** | **12** 15⁄32 | **71** 2 25⁄32 | **27** 1 1⁄16 | **44.4** 1.748 | **17.5** 0.689 | **0.9** 2 |
| **25** | | UELPA205 | UEL205 | | | | | | | | | | | | | |
| | 1 | UELPA205-16 | UEL205-16 | | | | | | | | | | | | | |
| | 1 ⅛ | UELPA206-18 | UEL206-18 | | | | | | | | | | | | | |
| **30** | | UELPA206 | UEL206 | **19.5** 4384 | **11.3** 2540 | **42.9** 1 11⁄16 | **94** 3 11⁄16 | **50** 1 31⁄32 | **66** 2 19⁄32 | **M14x2.0** | **13** ½ | **84** 3 5⁄16 | **30** 1 3⁄16 | **48.4** 1.906 | **18.3** 0.720 | **1.3** 2.9 |
| | 1 3⁄16 | UELPA206-19 | UEL206-19 | | | | | | | | | | | | | |
| | 1 ¼ | UELPA206-20 | UEL206-20 | | | | | | | | | | | | | |

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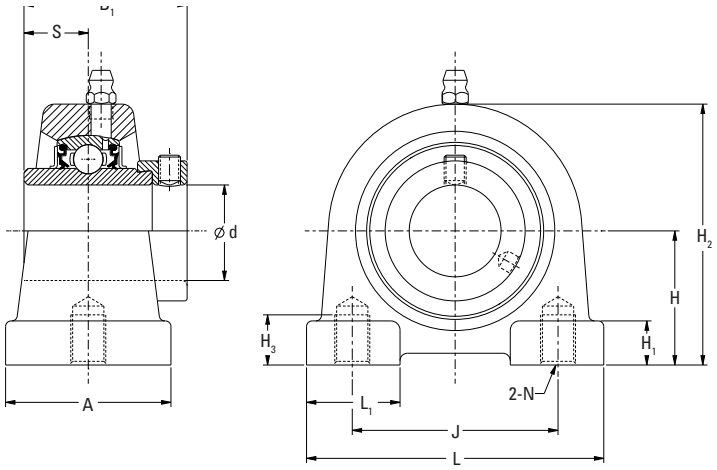
| Shaft Dia. d | | Pilow block Designation | Bearing Designation | Basic Load Ratings | | Dimensions | | | | | | | | | | Weight |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Dynamic | Static | H | L | A | J | N | $H_1$ | $H_2$ | $L_1$ | $B_1$ | S | |
| | | | | $C_r$ | $C_{0r}$ | | | | | | | | | | | |
| **mm** | in. | | | **kN** lbs | **kN** lbs | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **kg** lbs |
| | 1 1/4 | UELPA207-20 | UEL207-20 | | | | | | | | | | | | | |
| | 1 5/16 | UELPA207-21 | UEL207-21 | | | | | | | | | | | | | |
| | 1 3/8 | UELPA207-22 | UEL207-22 | **25.7** 5778 | **15.4** 3462 | **47.6** 1 7/8 | **110** 4 11/32 | **55** 2 5/32 | **80** 3 5/32 | **M14x2.0** | **13** 1/2 | **93** 3 21/32 | **38** 1 1/2 | **51.1** 2.012 | **18.8** 0.740 | **2.0** 4.4 |
| **35** | | UELPA207 | UEL207 | | | | | | | | | | | | | |
| | 1 7/16 | UELPA207-23 | UEL207-23 | | | | | | | | | | | | | |
| | 1 1/2 | UELPA208-24 | UEL208-24 | | | | | | | | | | | | | |
| | 1 9/16 | UELPA208-25 | UEL208-25 | **29.1** 6542 | **17.8** 4002 | **49.2** 1 15/16 | **116** 4 9/16 | **58** 2 9/32 | **84** 3 5/16 | **M14x2.0** | **13** 1/2 | **98** 3 27/32 | **36** 1 13/32 | **56.3** 2.217 | **21.4** 0.843 | **2.0** 4.4 |
| **40** | | UELPA208 | UEL208 | | | | | | | | | | | | | |
| | 1 5/8 | UELPA209-26 | UEL209-26 | | | | | | | | | | | | | |
| | 1 11/16 | UELPA209-27 | UEL209-27 | **34.1** 7666 | **21.3** 4788 | **54.2** 2 9/64 | **120** 4 23/32 | **60** 2 3/8 | **90** 3 35/64 | **M14x2.0** | **13** 1/2 | **106** 4 3/16 | **42** 1 21/32 | **56.3** 2.217 | **21.4** 0.843 | **2.3** 5.0 |
| | 1 3/4 | UELPA209-28 | UEL209-28 | | | | | | | | | | | | | |
| **45** | | UELPA209 | UEL209 | | | | | | | | | | | | | |
| | 1 7/8 | UELPA210-30 | UEL210-30 | | | | | | | | | | | | | |
| | 1 15/16 | UELPA210-31 | UEL210-31 | **35.1** 7891 | **23.3** 5238 | **57.2** 2 1/4 | **130** 5 1/8 | **64** 2 17/32 | **94** 3 45/64 | **M16x2.0** | **14** 35/64 | **113** 4 7/16 | **44** 1 23/32 | **62.7** 2.469 | **24.6** 0.969 | **3.0** 6.6 |
| **50** | | UELPA210 | UEL210 | | | | | | | | | | | | | |
| | 2 | UELPA210-32 | UEL210-32 | | | | | | | | | | | | | |

# *UELPW 200 Y SERIES WITH METRIC THREAD INDUSTRIAL ECCENTRIC LOCKING COLLAR SERIES CAST-IRON TAPPED BASE PILLOW BLOCK HOUSED UNITS*

- UELPW tapped base pillow blocks are suggested for industrial applications where normal loads are encountered.
- Compact, one-piece housing with two-bolt mounting can be installed in any position and makes bearing replacement easy.
- These units are primarily designed for applications where the mounting area is restricted, bolt screws are accessed from the bottom of the unit and reversing moments do not occur.
- These units use wide inner ring ball bearings with self-aligning spherical outside diameters that compensate for shaft misalignment.
- Timken UELPW series housed units feature the Timken eccentric locking collar (UEL) bearing insert.
- Bearing prelubricated and ready for immediate installation.
- Grease fitting supplied for relubrication[1].
- The bonded seal design is well-suited for applications involving wet or dirty environments.
- Bolt-hole spacing and base-to-center height dimensions are interchangeable with competitive units.
- Housing designed for ease of bearing replacement

[1] For bore sizes up to and including 210, a 1/4-28 tapered thread fitting is used. For bore sizes greater than 211, a 1/8 BSPT fitting is used.

| Shaft Dia. d | | Pillow block Designation | Bearing Designation | Basic Load Ratings | | Dimensions | | | | | | | | | | | Weight |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Dynamic | Static | H | L | A | J | N | $H_1$ | $H_2$ | $H_3$ | $L_1$ | $B_1$ | S | |
| | | | | $C_r$ | $C_{0r}$ | | | | | | | | | | | | |
| **mm** | in. | | | **kN** lbs | **kN** lbs | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **kg** lbs |
| **25** | | UELPW205 | UEL205 | **14.0** 3147 | **7.9** 1765 | **36.5** 1 7/16 | **70** 2 3/4 | **36** 1 13/32 | **50.8** 2 | **M10x1.5** | **13** 1/2 | **70** 2 3/4 | **13** 1/2 | **25** 63/64 | **44.4** 1.748 | **17.5** 0.689 | **0.9** 2 |
| **30** | | UELPW206 | UEL206 | **19.5** 4384 | **11.3** 2540 | **42.9** 1 11/16 | **98** 3 27/32 | **40** 1 9/16 | **76.2** 3 | **M10x1.5** | **16** 5/8 | **82** 3 7/32 | **13** 1/2 | **30** 1 3/16 | **48.4** 1.906 | **18.3** 0.720 | **1.3** 2.9 |




| Shaft Dia. d | | Pillow block Designation | Bearing Designation | Basic Load Ratings | | Dimensions | | | | | | | | | | | | Weight |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Dynamic | Static | H | L | A | J | N | $H_1$ | $H_2$ | $H_3$ | $L_1$ | $B_1$ | S | | |
| | | | | $C_r$ | $C_{0r}$ | | | | | | | | | | | | | |
| **mm** | in. | | | **kN** lbs | **kN** lbs | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** . | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | | **kg** lbs |
| **35** | | UELPW207 | UEL207 | **25.7** 5778 | **15.4** 3462 | **47.6** 1 7/8 | **103** 4 1/16 | **45** 1 25/32 | **82.6** 3 1/4 | **M10x1.5** | **19** 3/4 | **93** 3 21/32 | **13** 1/2 | **38** 1 1/2 | **51.1** 2.012 | **18.8** 0.740 | | **2.0** 4.4 |
| **40** | | UELPW208 | UEL208 | **29.1** 6542 | **17.8** 4002 | **49.2** 1 15/16 | **116** 4 9/16 | **48** 1 7/8 | **88.9** 3 1/2 | **M12x1.75** | **19** 3/4 | **99** 3 57/64 | **16** 5/8 | **36** 1 13/32 | **56.3** 2.217 | **21.4** 0.843 | | **2.0** 4.4 |

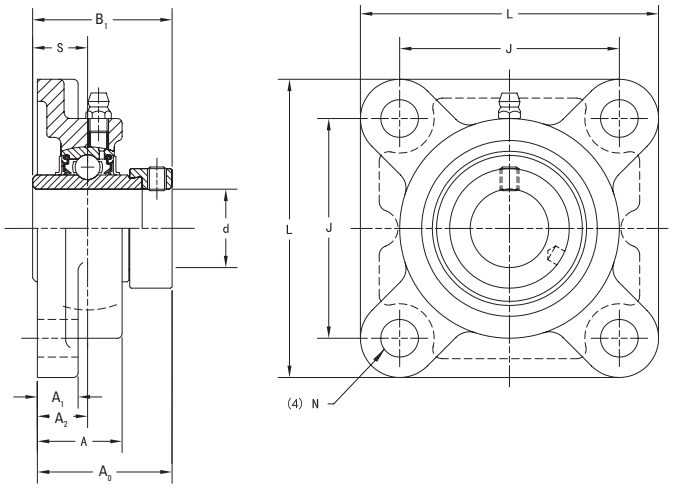
# *UELF 200 INDUSTRIAL ECCENTRIC LOCKING COLLAR SERIES*
# CAST-IRON FOUR-BOLT FLANGED HOUSED UNITS

- UELF four-bolt flanged units are suggested for industrial applications where normal loads are encountered.
- Each unit comes assembled and ready for mounting, using bolts through the flange.
- These units use wide inner ring ball bearings with self-aligning spherical outside diameters that compensate for shaft misalignment.
- Timken UELF series housed units feature the Timken eccentric locking collar (UEL) bearing insert.
- Bearing prelubricated and ready for immediate installation.
- Grease fitting supplied for relubrication[1].
- The bonded seal design is well-suited for applications involving wet or dirty environments.
- Bolt-hole spacing dimensions and shaft center location are interchangeable with competitive units.
- Housing designed for ease of bearing replacement.

| Shaft Dia. d | | Four-Bolt Flange Designation | Bearing Designation | Basic Load Ratings | | Dimensions | | | | | | | | | Bolt Size | Wt. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Dynamic | Static | L | J | $A_1$ | A | $A_0$ | S | $B_1$ | $A_2$ | N | | |
| | | | | $C_r$ | $C_{0r}$ | | | | | | | | | | | |
| **mm** | in. | | | **kN** lbs | **kN** lbs | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **kg** lbs |
| **12** | | UELF201 | UEL201 | | | | | | | | | | | | | |
| | ½ | UELF201-8 | UEL201-8 | | | | | | | | | | | | | |
| **15** | | UELF202 | UEL202 | | | | | | | | | | | | | |
| | ⅝ | UELF202-10 | UEL202-10 | **12.8** 2878 | **6.7** 1495 | **86** 3 3/8 | **64** 2 33/64 | **11** 7/16 | **25.5** 1 | **41.6** 1 41/64 | **17.1** 0.673 | **43.7** 1.720 | **15** 19/32 | **12** 15/32 | **M10** 3/8 | **0.7** 1.5 |
| **17** | | UELF203 | UEL203 | | | | | | | | | | | | | |
| | ¾ | UELF204-12 | UEL204-12 | | | | | | | | | | | | | |
| **20** | | UELF204 | UEL204 | | | | | | | | | | | | | |
| | ⅞ | UELF205-14 | UEL205-14 | | | | | | | | | | | | | |
| | 15/16 | UELF205-15 | UEL205-15 | **14.0** 3147 | **7.9** 1765 | **95** 3 ¾ | **70** 2 ¾ | **13** ½ | **27** 1 1/16 | **42.9** 1 11/16 | **17.5** 0.689 | **44.4** 1.748 | **16** ⅝ | **12** 15/32 | **M10** 3/8 | **0.9** 1.9 |
| **25** | | UELF205 | UEL205 | | | | | | | | | | | | | |
| | 1 | UELF205-16 | UEL205-16 | | | | | | | | | | | | | |
| | 1 ⅛ | UELF206-18 | UEL206-18 | | | | | | | | | | | | | |
| **30** | | UELF206 | UEL206 | **19.5** 4384 | **11.3** 2540 | **108** 4 ¼ | **83** 3 17/64 | **13** ½ | **31** 1 7/32 | **48.1** 1 57/64 | **18.3** 0.720 | **48.4** 1.906 | **18** 45/64 | **12** 15/32 | **M10** 3/8 | **1.2** 2.6 |
| | 1 3/16 | UELF206-19 | UEL206-19 | | | | | | | | | | | | | |
| | 1 ¼ | UELF206-20 | UEL206-20 | | | | | | | | | | | | | |
| | 1 ¼ | UELF207-20 | UEL207-20 | | | | | | | | | | | | | |
| | 1 5/16 | UELF207-21 | UEL207-21 | | | | | | | | | | | | | |
| | 1 ⅜ | UELF207-22 | UEL207-22 | **25.7** 5778 | **15.4** 3462 | **117** 4 19/32 | **92** 3 ⅝ | **15** 19/32 | **34** 1 11/32 | **51.3** 2 1/64 | **18.8** 0.740 | **51.1** 2.012 | **19** ¾ | **14** 35/64 | **M12** 7/16 | **1.6** 3.6 |
| **35** | | UELF207 | UEL207 | | | | | | | | | | | | | |
| | 1 7/16 | UELF207-23 | UEL207-23 | | | | | | | | | | | | | |
| | 1 ½ | UELF208-24 | UEL208-24 | | | | | | | | | | | | | |
| | 1 9/16 | UELF208-25 | UEL208-25 | **29.1** 6542 | **17.8** 4002 | **130** 5 ⅛ | **102** 4 1/64 | **15** 19/32 | **36** 1 13/32 | **55.9** 2 13/64 | **21.4** 0.843 | **56.3** 2.217 | **21** 53/64 | **16** ⅝ | **M14** ½ | **2.0** 4.5 |
| **40** | | UELF208 | UEL208 | | | | | | | | | | | | | |

[1] For bore sizes up to and including 210, a ¼-28 tapered thread fitting is used. For bore sizes greater than 211, a ⅛ BSPT fitting is used.

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| Shaft Dia. d | | Four-Bolt Flange Designation | Bearing Designation | Basic Load Ratings | | Dimensions | | | | | | | | | Bolt Size | Wt. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Dynamic | Static | L | J | $A_1$ | A | $A_0$ | S | $B_1$ | $A_2$ | N | | |
| | | | | $C_r$ | $C_{0r}$ | | | | | | | | | | | |
| **mm** | in. | | | **kN** lbs | **kN** lbs | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **kg** lbs |
| | 1 5/8 | UELF209-26 | UEL209-26 | | | | | | | | | | | | | |
| | 1 11/16 | UELF209-27 | UEL209-27 | **34.1** | **21.3** | **137** | **105** | **16** | **38** | **56.9** | **21.4** | **56.3** | **22** | **16** | **M14** | **2.4** |
| | 1 3/4 | UELF209-28 | UEL209-28 | 7666 | 4788 | 5 13/32 | 4 9/64 | 5/8 | 1 1/2 | 2 15/64 | 0.843 | 2.217 | 55/64 | 5/8 | 9/16 | 5.2 |
| **45** | | UELF209 | UEL209 | | | | | | | | | | | | | |
| | 1 7/8 | UELF210-30 | UEL210-30 | | | | | | | | | | | | | |
| | 1 15/16 | UELF210-31 | UEL210-31 | **35.1** | **23.3** | **143** | **111** | **16** | **40** | **60.1** | **24.6** | **62.7** | **22** | **16** | **M14** | **2.7** |
| **50** | | UELF210 | UEL210 | 7891 | 5238 | 5 5/8 | 4 3/8 | 5/8 | 1 9/16 | 2 23/64 | 0.969 | 2.469 | 55/64 | 5/8 | 9/16 | 6.0 |
| | 2 | UELF210-32 | UEL210-32 | | | | | | | | | | | | | |
| | 2 | UELF211-32 | UEL211-32 | | | | | | | | | | | | | |
| | 2 1/8 | UELF211-34 | UEL211-34 | **43.4** | **29.4** | **162** | **130** | **18** | **43** | **68.6** | **27.8** | **71.4** | **25** | **19** | **M16** | **3.7** |
| **55** | | UELF211 | UEL211 | 9757 | 6609 | 6 3/8 | 5 1/8 | 23/32 | 1 11/16 | 2 45/64 | 1.094 | 2.811 | 63/64 | 3/4 | 5/8 | 8.1 |
| | 2 3/16 | UELF211-35 | UEL211-35 | | | | | | | | | | | | | |
| | 2 1/4 | UELF212-36 | UEL212-36 | | | | | | | | | | | | | |
| **60** | | UELF212 | UEL212 | **52.4** | **36.2** | **175** | **143** | **18** | **48** | **75.8** | **31.0** | **77.8** | **29** | **19** | **M16** | **4.5** |
| | 2 7/16 | UELF212-39 | UEL212-39 | 11780 | 8138 | 6 7/8 | 5 5/8 | 23/32 | 1 7/8 | 2 63/64 | 1.220 | 3.063 | 1 9/64 | 3/4 | 5/8 | 10.0 |
| | 2 1/2 | UELF213-40 | UEL213-40 | **57.2** | **40.1** | **187** | **149** | **22** | **50** | **81.6** | **34.1** | **85.7** | **30** | **19** | **M16** | **5.8** |
| **65** | | UELF213 | UEL213 | 12859 | 9015 | 7 3/8 | 5 55/64 | 7/8 | 1 31/32 | 3 13/16 | 1.343 | 3.374 | 1 3/16 | 3/4 | 5/8 | 12.8 |
| | 2 3/4 | UELF214-44 | UEL214-44 | **62.2** | **44.1** | **193** | **152** | **22** | **54** | **82.6** | **34.1** | **85.7** | **31** | **19** | **M16** | **6.8** |
| **70** | | UELF214 | UEL214 | 13983 | 9914 | 7 19/32 | 5 63/64 | 7/8 | 2 1/8 | 3 1/4 | 1.343 | 3.374 | 1 7/32 | 3/4 | 5/8 | 14.9 |
| | 2 15/16 | UELF215-47 | UEL215-47 | | | | | | | | | | | | | |
| **75** | | UELF215 | UEL215 | **67.4** | **48.3** | **200** | **159** | **22** | **56** | **88.8** | **37.3** | **92.1** | **34** | **19** | **M16** | **6.9** |
| | 3 | UELF215-48 | UEL215-48 | 15152 | 10858 | 7 7/8 | 6 17/64 | 7/8 | 2 7/32 | 3 31/64 | 1.469 | 3.626 | 1 11/32 | 3/4 | 5/8 | 15.3 |

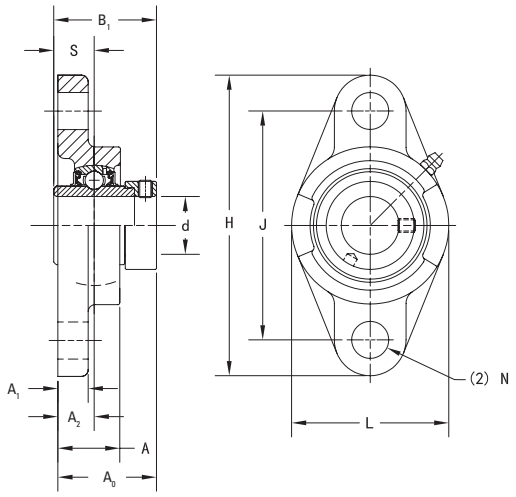
# *UELFL 200 INDUSTRIAL ECCENTRIC LOCKING COLLAR SERIES*
# CAST-IRON TWO-BOLT FLANGED HOUSED UNITS

- UELFL two-bolt flanged units are suggested for industrial applications where normal loads are encountered.
- This series is primarily designed for applications where the mounting area is restricted.
- Each unit comes assembled and ready for mounting, using bolts through the flange.
- These units use wide inner ring ball bearings with self-aligning spherical outside diameters that compensate for shaft misalignment.
- Timken UELFL series housed units feature the Timken eccentric locking collar (UEL) bearing insert.
- Bearing prelubricated and ready for immediate installation.
- Grease fitting supplied for relubrication[1].
- The bonded seal design is well-suited for applications involving wet or dirty environments.
- Bolt-hole spacing dimensions and shaft center location are interchangeable with competitive units.
- Housing designed for ease of bearing replacement.

| Shaft Dia. d | | Two-Bolt Flange Designation | Bearing Designation | Basic Load Ratings | | Dimensions | | | | | | | | | | Bolt Size | Wt. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Dynamic | Static | H | J | $A_1$ | A | $A_0$ | L | $A_2$ | S | $B_1$ | N | | |
| | | | | $C_r$ | $C_{0r}$ | | | | | | | | | | | | |
| **mm** | in. | | | **kN** lbs | **kN** lbs | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **kg** lbs |
| **12** | | UELFL201 | UEL201 | | | | | | | | | | | | | | |
| | ½ | UELFL201-8 | UEL201-8 | | | | | | | | | | | | | | |
| **15** | | UELFL202 | UEL202 | | | | | | | | | | | | | | |
| | ⅝ | UELFL202-10 | UEL202-10 | **12.8** 2878 | **6.7** 1495 | **113** 4 7⁄16 | **90** 3 35⁄64 | **11** 7⁄16 | **25.5** 1 | **41.6** 1 41⁄64 | **60** 2 3⁄8 | **15** 19⁄32 | **17.1** 0.673 | **43.7** 1.720 | **12** 15⁄32 | **M10** 3⁄8 | **0.6** 1.2 |
| **17** | | UELFL203 | UEL203 | | | | | | | | | | | | | | |
| | ¾ | UELFL204-12 | UEL204-12 | | | | | | | | | | | | | | |
| **20** | | UELFL204 | UEL204 | | | | | | | | | | | | | | |
| | ⅞ | UELFL205-14 | UEL205-14 | | | | | | | | | | | | | | |
| | 15⁄16 | UELFL205-15 | UEL205-15 | **14.0** 3147 | **7.9** 1765 | **130** 5 1⁄8 | **99** 3 57⁄64 | **13** ½ | **27** 1 1⁄16 | **42.9** 1 11⁄16 | **68** 2 11⁄16 | **16** ⅝ | **17.5** 0.689 | **44.4** 1.748 | **16** ⅝ | **M14** ½ | **0.7** 1.5 |
| **25** | | UELFL205 | UEL205 | | | | | | | | | | | | | | |
| | 1 | UELFL205-16 | UEL205-16 | | | | | | | | | | | | | | |
| | 1 1⁄8 | UELFL206-18 | UEL206-18 | | | | | | | | | | | | | | |
| **30** | | UELFL206 | UEL206 | **19.5** 4384 | **11.3** 2540 | **148** 5 13⁄16 | **117** 4 39⁄64 | **13** ½ | **31** 1 7⁄32 | **48.1** 1 57⁄64 | **80** 3 5⁄32 | **18** 45⁄64 | **18.3** 0.720 | **48.4** 1.906 | **16** ⅝ | **M14** ½ | **1.0** 2.2 |
| | 1 3⁄16 | UELFL206-19 | UEL206-19 | | | | | | | | | | | | | | |
| | 1 ¼ | UELFL206-20 | UEL206-20 | | | | | | | | | | | | | | |
| | 1 ¼ | UELFL207-20 | UEL207-20 | | | | | | | | | | | | | | |
| | 1 5⁄16 | UELFL207-21 | UEL207-21 | | | | | | | | | | | | | | |
| | 1 ⅜ | UELFL207-22 | UEL207-22 | **25.7** 5778 | **15.4** 3462 | **161** 5 11⁄32 | **130** 5 1⁄8 | **14** 9⁄16 | **34** 1 11⁄32 | **51.3** 2 1⁄64 | **90** 3 17⁄32 | **19** ¾ | **18.8** 0.740 | **51.1** 2.012 | **16** ⅝ | **M14** ½ | **1.3** 2.9 |
| **35** | | UELFL207 | UEL207 | | | | | | | | | | | | | | |
| | 1 7⁄16 | UELFL207-23 | UEL207-23 | | | | | | | | | | | | | | |
| | 1 ½ | UELFL208-24 | UEL208-24 | | | | | | | | | | | | | | |
| | 1 9⁄16 | UELFL208-25 | UEL208-25 | **29.1** 6542 | **17.8** 4002 | **175** 6 7⁄8 | **144** 5 43⁄64 | **14** 9⁄16 | **36** 1 13⁄32 | **55.9** 2 13⁄64 | **100** 3 15⁄16 | **21** 53⁄64 | **21.4** 0.843 | **56.3** 2.217 | **16** ⅝ | **M14** ½ | **1.7** 3.8 |
| **40** | | UELFL208 | UEL208 | | | | | | | | | | | | | | |

[1] For bore sizes up to and including 210, a ¼-28 tapered thread fitting is used. For bore sizes greater than 211, a ⅛ BSPT fitting is used.

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| Shaft Dia. d | | Two-Bolt Flange Designation | Bearing Designation | Basic Load Ratings | | Dimensions | | | | | | | | | | Bolt Size | Wt. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Dynamic | Static | H | J | $A_1$ | A | $A_0$ | L | $A_2$ | S | $B_1$ | N | | |
| | | | | $C_r$ | $C_{0r}$ | | | | | | | | | | | | |
| **mm** | in. | | | **kN** lbs | **kN** lbs | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **kg** lbs |
| | 1 5/8 | UELFL209-26 | UEL209-26 | | | | | | | | | | | | | | |
| | 1 11/16 | UELFL209-27 | UEL209-27 | **34.1** 7666 | **21.3** 4788 | **188** 7 13/32 | **148** 5 53/64 | **15** 19/32 | **38** 1 1/2 | **56.9** 2 15/64 | **108** 4 1/4 | **22** 55/64 | **21.4** 0.843 | **56.3** 2.217 | **19** 3/4 | **M16** 5/8 | **2.1** 4.6 |
| | 1 3/4 | UELFL209-28 | UEL209-28 | | | | | | | | | | | | | | |
| **45** | | UELFL209 | UEL209 | | | | | | | | | | | | | | |
| | 1 7/8 | UELFL210-30 | UEL210-30 | | | | | | | | | | | | | | |
| | 1 15/16 | UELFL210-31 | UEL210-31 | **35.1** 7891 | **23.3** 4788 | **197** 7 3/4 | **157** 6 3/16 | **15** 19/32 | **40** 1 9/16 | **60.1** 2 23/64 | **115** 4 17/32 | **22** 55/64 | **24.6** 0.969 | **62.7** 2.469 | **19** 3/4 | **M16** 5/8 | **2.4** 5.3 |
| **50** | | UELFL210 | UEL210 | | | | | | | | | | | | | | |
| | 2 | UELFL210-32 | UEL210-32 | | | | | | | | | | | | | | |
| | 2 | UELFL211-32 | UEL211-32 | | | | | | | | | | | | | | |
| | 2 1/8 | UELFL211-34 | UEL211-34 | **43.4** 9757 | **29.4** 6609 | **224** 8 13/16 | **184** 7 1/4 | **18** 23/32 | **43** 1 11/16 | **68.6** 2 45/64 | **130** 5 1/8 | **25** 63/64 | **27.8** 1.094 | **71.4** 2.811 | **19** 3/4 | **M16** 5/8 | **3.6** 7.9 |
| **55** | | UELFL211 | UEL211 | | | | | | | | | | | | | | |
| | 2 3/16 | UELFL211-35 | UEL211-35 | | | | | | | | | | | | | | |
| | 2 1/4 | UELFL212-36 | UEL212-36 | | | | | | | | | | | | | | |
| **60** | | UELFL212 | UEL212 | **52.4** 11780 | **36.2** 8138 | **250** 9 27/32 | **202** 7 61/64 | **18** 23/32 | **48** 1 7/8 | **75.8** 2 63/64 | **140** 5 1/2 | **29** 1 9/64 | **31.0** 1.220 | **77.8** 3.063 | **23** 29/32 | **M20** 3/4 | **4.5** 10.0 |
| | 2 7/16 | UELFL212-39 | UEL212-39 | | | | | | | | | | | | | | |
| | 2 1/2 | UELFL213-40 | UEL213-40 | **57.2** 12859 | **40.1** 9015 | **258** 10 5/32 | **210** 8 17/64 | **20** 25/32 | **50** 1 31/32 | **81.6** 3 7/32 | **155** 6 3/32 | **30** 1 3/16 | **34.1** 1.343 | **85.7** 3.374 | **23** 29/32 | **M20** 3/4 | **5.7** 12.5 |
| **65** | | UELFL213 | UEL213 | | | | | | | | | | | | | | |
| | 2 3/4 | UELFL214-44 | UEL214-44 | **62.2** 13983 | **44.1** 9914 | **265** 10 7/16 | **216** 8 1/2 | **20** 25/32 | **54** 2 1/8 | **82.6** 3 1/4 | **160** 6 5/16 | **31** 1 7/32 | **34.1** 1.343 | **85.7** 3.374 | **23** 29/32 | **M20** 3/4 | **6.6** 14.5 |
| **70** | | UELFL214 | UEL214 | | | | | | | | | | | | | | |
| | 2 15/16 | UELFL215-47 | UEL215-47 | | | | | | | | | | | | | | |
| **75** | | UELFL215 | UEL215 | **67.4** 15152 | **48.3** 10858 | **275** 10 13/16 | **225** 8 55/64 | **20** 25/32 | **56** 2 7/32 | **88.8** 3 1/2 | **165** 6 1/2 | **34** 1 11/32 | **37.3** 1.469 | **92.1** 3.626 | **23** 29/32 | **M20** 3/4 | **6.9** 15.3 |
| | 3 | UELFL215-48 | UEL215-48 | | | | | | | | | | | | | | |

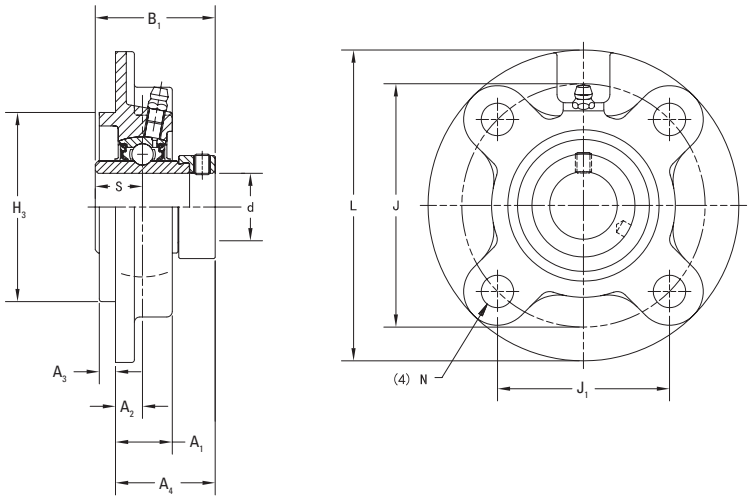
# *UELFC 200 INDUSTRIAL ECCENTRIC LOCKING COLLAR SERIES*
# CAST-IRON PILOTED ROUND FLANGED HOUSED UNITS

- UELFC piloted round flanged units are suggested for industrial applications where normal loads are encountered.
- UELFC piloted round flanged units ensure accurate mounting fits and provide better support for heavy loads.
- Each unit comes assembled and ready for mounting, using bolts through the flange.
- These units use wide inner ring ball bearings with self-aligning spherical outside diameters that compensate for shaft misalignment.
- Timken UELFC series housed units feature the Timken eccentric locking collar (UEL) bearing insert.
- Bearing prelubricated and ready for immediate installation.
- Grease fitting supplied for relubrication[1].
- The bonded seal design is well-suited for industrial applications involving wet or dirty environments.
- Bolt-hole spacing dimensions and shaft center location are interchangeable with competitive units.
- Housing designed for ease of bearing replacement.

| Shaft Dia. d | | Round Flange Cartridge Designation | Bearing Designation | Basic Load Ratings | | Dimensions | | | | | | | | | | | Bolt Size | Wt. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Dynamic | Static | L | J | $J_1$ | $A_1$ | $A_2$ | $A_3$ | $A_4$ | $H_3$ | S | $B_1$ | N | | |
| | | | | $C_r$ | $C_{0r}$ | | | | | | | | | | | | | |
| **mm** | in. | | | **kN** lbs. | **kN** lbs. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **kg** lbs. |
| **12** | | UELFC201 | UEL201 | **12.8** 2878 | **6.7** 1495 | **100** 3 15/16 | **78** 3 5/64 | **55.1** 2 11/64 | **20.5** 13/16 | **10** 25/64 | **5** 13/64 | **36.6** 1 7/16 | **62** 2.441 | **17.1** 0.673 | **43.7** 1.720 | **12** 15/32 | **M10** 3/8 | **0.8** 1.8 |
| | 1/2 | UELFC201-8 | UEL201-8 | | | | | | | | | | | | | | | |
| **15** | | UELFC202 | UEL202 | | | | | | | | | | | | | | | |
| | 5/8 | UELFC202-10 | UEL202-10 | | | | | | | | | | | | | | | |
| **17** | | UELFC203 | UEL203 | | | | | | | | | | | | | | | |
| | 3/4 | UELFC204-12 | UEL204-12 | | | | | | | | | | | | | | | |
| **20** | | UELFC204 | UEL204 | | | | | | | | | | | | | | | |
| | 7/8 | UELFC205-14 | UEL205-14 | **14.0** 3147 | **7.9** 1765 | **115** 4 17/32 | **90** 3 35/64 | **63.6** 2 1/2 | **21** 13/16 | **10** 25/64 | **6** 15/64 | **36.9** 1 29/64 | **70** 2.756 | **17.5** 0.689 | **44.4** 1.748 | **12** 15/32 | **M10** 3/8 | **1.0** 2.2 |
| | 15/16 | UELFC205-15 | UEL205-15 | | | | | | | | | | | | | | | |
| **25** | | UELFC205 | UEL205 | | | | | | | | | | | | | | | |
| | 1 | UELFC205-16 | UEL205-16 | | | | | | | | | | | | | | | |
| | 1 1/8 | UELFC206-18 | UEL206-18 | **19.5** 4384 | **11.3** 2540 | **125** 4 29/32 | **100** 3 15/16 | **70.7** 2 25/32 | **23** 29/32 | **10** 25/64 | **8** 5/16 | **40.1** 1 37/64 | **80** 3.150 | **18.3** 0.720 | **48.4** 1.906 | **12** 15/32 | **M10** 3/8 | **1.4** 3.1 |
| **30** | | UELFC206 | UEL206 | | | | | | | | | | | | | | | |
| | 1 3/16 | UELFC206-19 | UEL206-19 | | | | | | | | | | | | | | | |
| | 1 1/4 | UELFC206-20 | UEL206-20 | | | | | | | | | | | | | | | |
| | 1 1/4 | UELFC207-20 | UEL207-20 | **25.7** 5778 | **15.4** 3462 | **135** 5 1/16 | **110** 4 21/64 | **77.8** 3 1/16 | **26** 1 1/32 | **11** 7/16 | **8** 5/16 | **43.3** 1 45/64 | **90** 3.543 | **18.8** 0.740 | **51.1** 2.012 | **14** 35/64 | **M12** 7/16 | **2.0** 4.5 |
| | 1 5/16 | UELFC207-21 | UEL207-21 | | | | | | | | | | | | | | | |
| | 1 3/8 | UELFC207-22 | UEL207-22 | | | | | | | | | | | | | | | |
| **35** | | UELFC207 | UEL207 | | | | | | | | | | | | | | | |
| | 1 7/16 | UELFC207-23 | UEL207-23 | | | | | | | | | | | | | | | |
| | 1 1/2 | UELFC208-24 | UEL208-24 | **29.1** 6542 | **17.8** 4002 | **145** 5 23/32 | **120** 4 23/32 | **84.8** 3 11/32 | **26** 1 1/32 | **11** 7/16 | **10** 25/64 | **45.9** 1 3/16 | **100** 3.937 | **21.4** 0.843 | **56.3** 2.217 | **14** 35/64 | **M12** 7/16 | **2.1** 4.7 |
| | 1 9/16 | UELFC208-25 | UEL208-25 | | | | | | | | | | | | | | | |
| **40** | | UELFC208 | UEL208 | | | | | | | | | | | | | | | |

[1] For bore sizes up to and including 210, a 1/4-28 tapered thread fitting is used. For bore sizes greater than 211, a 1/8 BSPT fitting is used.

*Continued on next page.*




*Continued from previous page.*

| Shaft Dia. d | | Round Flange Cartridge Designation | Bearing Designation | Basic Load Ratings | | Dimensions | | | | | | | | | | | Bolt Size | Wt. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Dynamic | Static | L | J | $J_1$ | $A_1$ | $A_2$ | $A_3$ | $A_4$ | $H_3$ | S | $B_1$ | N | | |
| | | | | $C_r$ | $C_{0r}$ | | | | | | | | | | | | | |
| **mm** | in. | | | **kN** lbs. | **kN** lbs. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **kg** lbs. |
| | 1 5/8 | UELFC209-26 | UEL209-26 | | | | | | | | | | | | | | | |
| | 1 11/16 | UELFC209-27 | UEL209-27 | **34.1** | **21.3** | **160** | **132** | **93.3** | **26** | **10** | **12** | **44.9** | **105** | **21.4** | **56.3** | **16** | **M14** | **4.7** |
| | 1 3/4 | UELFC209-28 | UEL209-28 | 7666 | 4788 | 6 5/16 | 5 13/64 | 3 43/64 | 1 1/32 | 25/64 | 15/32 | 1 49/64 | 4.134 | 0.843 | 2.217 | 5/8 | 1/2 | 6.1 |
| **45** | | UELFC209 | UEL209 | | | | | | | | | | | | | | | |
| | 1 7/8 | UELFC210-30 | UEL210-30 | | | | | | | | | | | | | | | |
| | 1 15/16 | UELFC210-31 | UEL210-31 | **35.1** | **23.3** | **165** | **138** | **97.6** | **28** | **10** | **12** | **48.1** | **110** | **24.6** | **62.7** | **16** | **M14** | **3.1** |
| **50** | | UELFC210 | UEL210 | 7891 | 5238 | 6 1/2 | 5 7/16 | 3 27/32 | 1 3/32 | 25/64 | 15/32 | 1 57/64 | 4.331 | 0.969 | 2.469 | 5/8 | 1/2 | 6.9 |
| | 2 | UELFC210-32 | UEL210-32 | | | | | | | | | | | | | | | |
| | 2 | UELFC211-32 | UEL211-32 | | | | | | | | | | | | | | | |
| | 2 1/8 | UELFC211-34 | UEL211-34 | **43.4** | **29.4** | **185** | **150** | **106.1** | **31** | **13** | **12** | **56.6** | **125** | **27.8** | **71.4** | **19** | **M16** | **4.5** |
| **55** | | UELFC211 | UEL211 | 9757 | 6609 | 7 3/32 | 5 29/32 | 4 11/64 | 1 7/32 | 33/64 | 15/32 | 2 15/64 | 4.921 | 1.094 | 2.811 | 3/4 | 5/8 | 9.9 |
| | 2 3/16 | UELFC211-35 | UEL211-35 | | | | | | | | | | | | | | | |
| | 2 1/4 | UELFC212-36 | UEL212-36 | | | | | | | | | | | | | | | |
| **60** | | UELFC212 | UEL212 | **52.4** | **36.2** | **195** | **160** | **113.1** | **36** | **17** | **12** | **63.8** | **135** | **31.0** | **77.8** | **19** | **M16** | **5.3** |
| | 2 7/16 | UELFC212-39 | UEL212-39 | 11780 | 8138 | 7 11/16 | 6 19/64 | 4 29/64 | 1 13/32 | 43/64 | 15/32 | 2 33/64 | 5.315 | 1.220 | 3.063 | 3/4 | 5/8 | 11.8 |
| | 2 1/2 | UELFC213-40 | UEL213-40 | **57.2** | **40.1** | **205** | **170** | **120.2** | **36** | **16** | **14** | **67.6** | **145** | **34.1** | **85.7** | **19** | **M16** | **6.2** |
| **65** | | UELFC213 | UEL213 | 12859 | 9015 | 8 1/16 | 6 11/64 | 4 47/64 | 1 13/32 | 5/8 | 35/64 | 2 21/32 | 5.709 | 1.343 | 3.374 | 3/4 | 5/8 | 13.6 |
| | 2 3/4 | UELFC214-44 | UEL214-44 | **62.2** | **44.1** | **215** | **177** | **125.1** | **40** | **17** | **14** | **68.6** | **150** | **34.1** | **85.7** | **19** | **M16** | **7.7** |
| **70** | | UELFC214 | UEL214 | 13983 | 9914 | 8 15/32 | 6 31/32 | 4 59/64 | 1 9/16 | 43/64 | 35/64 | 2 45/64 | 5.905 | 1.343 | 3.374 | 3/4 | 5/8 | 16.9 |
| | 2 15/16 | UELFC215-47 | UEL215-47 | | | | | | | | | | | | | | | |
| **75** | | UELFC215 | UEL215 | **67.4** | **48.3** | **220** | **184** | **130.1** | **40** | **18** | **16** | **72.8** | **160** | **37.3** | **92.1** | **19** | **M16** | **7.7** |
| | 3 | UELFC215-48 | UEL215-48 | 15152 | 10858 | 8 21/32 | 7 1/4 | 5 1/8 | 1 9/16 | 45/64 | 5/8 | 2 55/64 | 6.299 | 1.469 | 3.626 | 3/4 | 5/8 | 17.0 |

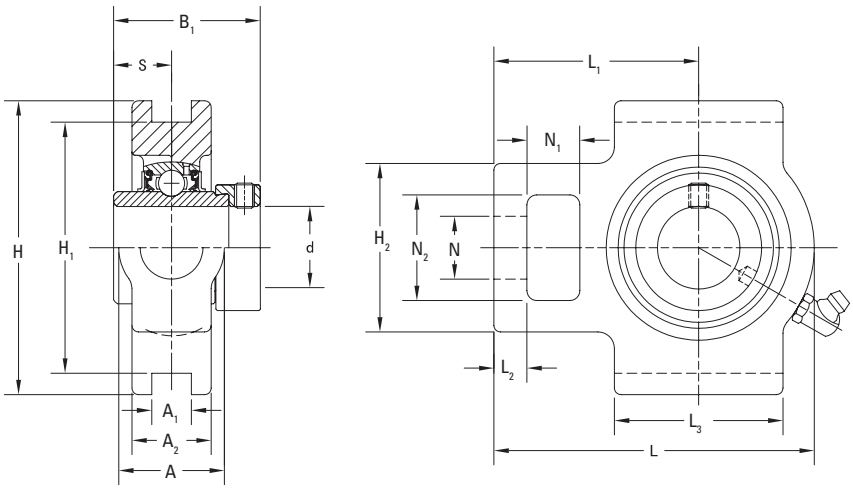
# *UELT 200 INDUSTRIAL ECCENTRIC LOCKING COLLAR SERIES*
# CAST-IRON TAKE-UP HOUSED UNITS

- UELT take-up units are suggested for industrial applications where normal loads are encountered.
- UELT take-up units are used where shaft adjustment and belt- tightening devices are required, such as in conveyor applications.
- These units provide compact, efficient supports for adjustable shafts and conveyer take-up pulleys.
- Each unit comes assembled and ready for mounting.
- These units use wide inner ring ball bearings with self-aligning spherical outside diameters that compensate for shaft misalignment.
- Timken UELT series housed units feature the Timken eccentric locking collar (UEL) bearing insert.
- Bearing prelubricated and ready for immediate installation.
- Grease fitting supplied for relubrication[1].
- The bonded seal design is well-suited for industrial applications involving wet or dirty environments.
- Slot spacing and width are interchangeable with competitive units.
- Housing designed for ease of bearing replacement.

| Shaft Dia. d | | Take-Up Unit Designation | Bearing Designation | Basic Load Ratings | | Dimensions | | | | | | | | | | | | | | | Wt. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Dynamic | Static | H | $H_1$ | $L_2$ | $L_1$ | $A_2$ | A | N | L | $H_2$ | S | $B_1$ | $L_3$ | $N_1$ | $N_2$ | $A_1$ | |
| | | | | $C_r$ | $C_{0r}$ | | | | | | | | | | | | | | | | |
| **mm** | in. | | | **kN** lbs | **kN** lbs | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **kg** lbs |
| **12** | | UELT201 | UEL201 | | | | | | | | | | | | | | | | | | |
| | ½ | UELT201-8 | UEL201-8 | | | | | | | | | | | | | | | | | | |
| **15** | | UELT202 | UEL202 | | | | | | | | | | | | | | | | | | |
| | ⅝ | UELT202-10 | UEL202-10 | **12.8** 2878 | **6.7** 1495 | **89** 3 ½ | **76** 2 53⁄64 | **10** 13⁄32 | **61** 2 13⁄32 | **21** 13⁄16 | **32** 1 ¼ | **19** ¾ | **94** 3 11⁄16 | **51** 2 | **17.1** 0.673 | **43.7** 1.720 | **51** 2 | **16** ⅝ | **32** 1 ¼ | **12** 15⁄32 | **0.8** 1.8 |
| **17** | | UELT203 | UEL203 | | | | | | | | | | | | | | | | | | |
| | ¾ | UELT204-12 | UEL204-12 | | | | | | | | | | | | | | | | | | |
| **20** | | UELT204 | UEL204 | | | | | | | | | | | | | | | | | | |
| | ⅞ | UELT205-14 | UEL205-14 | | | | | | | | | | | | | | | | | | |
| | 15⁄16 | UELT205-15 | UEL205-15 | **14.0** 3147 | **7.9** 1765 | **89** 3 ½ | **76** 2 53⁄64 | **10** 13⁄32 | **62** 2 7⁄16 | **24** 15⁄16 | **32** 1 ¼ | **19** ¾ | **97** 3 13⁄64 | **51** 2 | **17.5** 0.689 | **44.4** 1.748 | **51** 2 | **16** ⅝ | **32** 1 ¼ | **12** 15⁄32 | **0.9** 2.0 |
| **25** | | UELT205 | UEL205 | | | | | | | | | | | | | | | | | | |
| | 1 | UELT205-16 | UEL205-16 | | | | | | | | | | | | | | | | | | |
| | 1 ⅛ | UELT206-18 | UEL206-18 | | | | | | | | | | | | | | | | | | |
| **30** | | UELT206 | UEL206 | **19.5** 4384 | **11.3** 2540 | **102** 4 1⁄32 | **89** 3 ½ | **10** 13⁄32 | **70** 2 ¾ | **28** 1 3⁄32 | **37** 1 15⁄32 | **22** ⅞ | **113** 4 7⁄16 | **56** 2 7⁄32 | **18.3** 0.720 | **48.4** 1.906 | **57** 2 ¼ | **16** ⅝ | **37** 1 15⁄32 | **12** 15⁄32 | **1.4** 3.1 |
| | 1 3⁄16 | UELT206-19 | UEL206-19 | | | | | | | | | | | | | | | | | | |
| | 1 ¼ | UELT206-20 | UEL206-20 | | | | | | | | | | | | | | | | | | |
| | 1 ¼ | UELT207-20 | UEL207-20 | | | | | | | | | | | | | | | | | | |
| | 1 5⁄16 | UELT207-21 | UEL207-21 | | | | | | | | | | | | | | | | | | |
| | 1 ⅜ | UELT207-22 | UEL207-22 | **25.7** 5778 | **15.4** 3462 | **102** 4 1⁄32 | **89** 3 ½ | **13** ½ | **78** 3 1⁄16 | **30** 1 3⁄16 | **37** 1 15⁄32 | **22** ⅞ | **129** 5 3⁄32 | **64** 2 17⁄32 | **18.8** 0.740 | **51.1** 2.012 | **64** 2 17⁄32 | **16** ⅝ | **37** 1 15⁄32 | **12** 15⁄32 | **1.7** 3.8 |
| **35** | | UELT207 | UEL207 | | | | | | | | | | | | | | | | | | |
| | 1 7⁄16 | UELT207-23 | UEL207-23 | | | | | | | | | | | | | | | | | | |
| | 1 ½ | UELT208-24 | UEL208-24 | | | | | | | | | | | | | | | | | | |
| | 1 9⁄16 | UELT208-25 | UEL208-25 | **29.1** 6542 | **17.8** 4002 | **114** 4 ½ | **102** 4 1⁄64 | **16** ⅝ | **88** 3 15⁄32 | **33** 1 5⁄16 | **49** 1 15⁄16 | **29** 1 5⁄32 | **144** 5 21⁄32 | **83** 3 9⁄32 | **21.4** 0.843 | **56.3** 2.217 | **83** 3 9⁄32 | **19** ¾ | **49** 1 15⁄16 | **16** ⅝ | **2.7** 6.0 |
| **40** | | UELT208 | UEL208 | | | | | | | | | | | | | | | | | | |

[1] For bore sizes up to and including 210, a ¼-28 tapered thread fitting is used. For bore sizes greater than 211, a ⅛ BSPT fitting is used.

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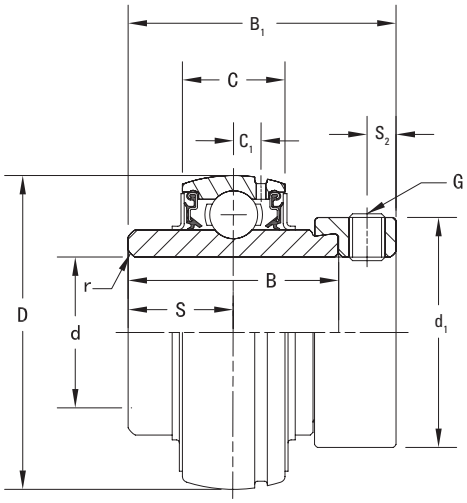
| Shaft Dia. d | | Take-Up Unit Designation | Bearing Designation | Basic Load Ratings | | Dimensions | | | | | | | | | | | | | | | Wt. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Dynamic | Static | H | $H_1$ | $L_2$ | $L_1$ | $A_2$ | A | N | L | $H_2$ | S | $B_1$ | $L_3$ | $N_1$ | $N_2$ | $A_1$ | |
| | | | | $C_r$ | $C_{0r}$ | | | | | | | | | | | | | | | | |
| **mm** | in. | | | **kN** lbs | **kN** lbs | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **kg** lbs |
| | 1 5/8 | UELT209-26 | UEL209-26 | | | | | | | | | | | | | | | | | | |
| | 1 11/16 | UELT209-27 | UEL209-27 | **34.1** | **21.3** | **117** | **102** | **16** | **87** | **35** | **49** | **29** | **144** | **83** | **21.4** | **56.3** | **83** | **19** | **49** | **16** | **2.6** |
| | 1 3/4 | UELT209-28 | UEL209-28 | 7666 | 4788 | 4 19/32 | 4 1/64 | 5/8 | 3 7/16 | 1 3/8 | 1 15/16 | 1 5/32 | 5 21/32 | 3 9/32 | 0.843 | 2.217 | 3 9/32 | 3/4 | 1 15/16 | 5/8 | 5.7 |
| **45** | | UELT209 | UEL209 | | | | | | | | | | | | | | | | | | |
| | 1 7/8 | UELT210-30 | UEL210-30 | | | | | | | | | | | | | | | | | | |
| | 1 15/16 | UELT210-31 | UEL210-31 | **35.1** | **23.3** | **117** | **102** | **16** | **90** | **37** | **49** | **29** | **149** | **83** | **24.6** | **62.7** | **86** | **19** | **49** | **16** | **2.8** |
| **50** | | UELT210 | UEL210 | 7891 | 5238 | 4 19/32 | 4 1/64 | 5/8 | 3 17/32 | 1 15/32 | 1 15/16 | 1 5/32 | 5 7/8 | 3 9/32 | 0.969 | 2.469 | 3 3/8 | 3/4 | 1 15/16 | 5/8 | 6.2 |
| | 2 | UELT210-32 | UEL210-32 | | | | | | | | | | | | | | | | | | |
| | 2 | UELT211-32 | UEL211-32 | | | | | | | | | | | | | | | | | | |
| | 2 1/8 | UELT211-34 | UEL211-34 | **43.4** | **29.4** | **146** | **130** | **19** | **106** | **38** | **64** | **35** | **171** | **102** | **27.8** | **71.4** | **95** | **25** | **64** | **22** | **4.3** |
| **55** | | UELT211 | UEL211 | 9757 | 6609 | 5 3/4 | 5 1/8 | 3/4 | 4 3/16 | 1 1/2 | 2 17/32 | 1 3/8 | 6 23/32 | 4 1/32 | 1.094 | 2.811 | 3 3/4 | 31/32 | 2 17/32 | 55/64 | 9.4 |
| | 2 3/16 | UELT211-35 | UEL211-35 | | | | | | | | | | | | | | | | | | |
| | 2 1/4 | UELT212-36 | UEL212-36 | | | | | | | | | | | | | | | | | | |
| **60** | | UELT212 | UEL212 | **52.4** | **36.2** | **146** | **130** | **19** | **119** | **42** | **64** | **35** | **194** | **102** | **31.0** | **77.8** | **102** | **32** | **64** | **22** | **5.2** |
| | 2 7/16 | UELT212-39 | UEL212-39 | 11780 | 8138 | 5 3/4 | 5 1/8 | 3/4 | 4 11/16 | 1 21/32 | 2 17/32 | 1 3/8 | 7 5/8 | 4 1/32 | 1.220 | 3.063 | 4 1/32 | 1 1/4 | 2 17/32 | 55/64 | 11.5 |
| | 2 1/2 | UELT213-40 | UEL213-40 | **57.2** | **40.1** | **167** | **151** | **21** | **137** | **44** | **70** | **41** | **224** | **111** | **34.1** | **85.7** | **121** | **32** | **70** | **26** | **7.5** |
| **65** | | UELT213 | UEL213 | 12859 | 9015 | 6 9/16 | 5 15/16 | 13/16 | 5 13/32 | 1 23/32 | 2 3/4 | 1 5/8 | 8 13/16 | 4 3/8 | 1.343 | 3.374 | 4 3/4 | 1 1/4 | 2 3/4 | 1 1/32 | 16.5 |
| | 2 3/4 | UELT214-44 | UEL214-44 | **62.2** | **44.1** | **167** | **151** | **21** | **137** | **46** | **70** | **41** | **224** | **111** | **34.1** | **85.7** | **121** | **32** | **70** | **26** | **7.9** |
| **70** | | UELT214 | UEL214 | 13983 | 9914 | 6 9/16 | 5 15/16 | 13/16 | 5 13/32 | 1 13/16 | 2 3/4 | 1 5/8 | 8 13/16 | 4 3/8 | 1.343 | 3.374 | 4 3/4 | 1 1/4 | 2 3/4 | 1 1/32 | 17.4 |
| | 2 15/16 | UELT215-47 | UEL215-47 | | | | | | | | | | | | | | | | | | |
| **75** | | UELT215 | UEL215 | **67.4** | **48.3** | **167** | **151** | **21** | **140** | **48** | **70** | **41** | **232** | **111** | **37.3** | **92.1** | **121** | **32** | **70** | **26** | **7.8** |
| | 3 | UELT215-48 | UEL215-48 | 15152 | 10858 | 6 9/16 | 5 15/16 | 13/16 | 5 1/2 | 1 7/8 | 2 3/4 | 1 5/8 | 9 1/8 | 4 3/8 | 1.469 | 3.626 | 4 3/4 | 1 1/4 | 2 3/4 | 1 1/32 | 17.3 |

# *UEL 200 INDUSTRIAL ECCENTRIC LOCKING COLLAR SERIES*
# WIDE INNER RING BALL BEARINGS

- The UEL wide inner ring ball bearing uses an eccentric locking collar mechanism and is suggested for industrial applications where normal loads are encountered.
- The eccentric locking feature is ideal for non-reversing load applications.
- Bearing prelubricated and ready for immediate installation.
- The wide inner ring provides effective shaft support for a broad range of industrial applications.
- The positive contact of the land-riding bonded nitrile seal helps protect against harmful contaminants and retains lubricant under severe operating conditions.
- An external steel flinger provides additional protection from contamination.
- The UEL series features superfinished raceways, grade-10 balls for smooth running and low noise operation.
- UEL series wide inner ring ball bearings have spherical outside diameters for use in housings with corresponding spherical inside surfaces to compensate for shaft misalignment.

| Shaft Dia. d | | Bearing Designation | Basic Load Ratings | | Dimensions | | | | | | | | Min. Fillet Radius | Set Screw Size | Wt. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Dynamic | Static | D | C | $B_1$ | $S_2$ | $C_1$ | S | B | $d_1$ | | | |
| | | | $C_r$ | $C_{0r}$ | | | | | | | | | r (min.) | G | |
| **mm** | in. | | **kN** lbs | **kN** lbs | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | | **kg** lbs |
| **12** | | UEL201 | | | | | | | | | | | | M6x0.75 | **0.3** 0.6 |
| | ½ | UEL201-8 | | | | | | | | | | | | ¼-28UNF | **0.3** 0.6 |
| **15** | | UEL202 | | | | | | | | | | | | M6x0.75 | **0.3** 0.6 |
| | ⅝ | UEL202-10 | **12.8** 2878 | **6.7** 1495 | **47** 1.850 | **16** 0.630 | **43.7** 1.720 | **4.8** 0.189 | **4.0** 0.157 | **17.1** 0.673 | **34.2** 1.346 | **33.3** 1.311 | **1.0** 0.039 | ¼-28UNF | **0.3** 0.6 |
| **17** | | UEL203 | | | | | | | | | | | | M6x0.75 | **0.3** 0.6 |
| | ¾ | UEL204-12 | | | | | | | | | | | | ¼-28UNF | **0.2** 0.5 |
| **20** | | UEL204 | | | | | | | | | | | | M6x0.75 | **0.2** 0.5 |
| | ⅞ | UEL205-14 | | | | | | | | | | | | ¼-28UNF | **0.3** 0.6 |
| | 15⁄16 | UEL205-15 | **14.0** 3147 | **7.9** 1765 | **52** 2.047 | **17** 0.669 | **44.4** 1.748 | **4.8** 0.189 | **4.5** 0.177 | **17.5** 0.689 | **34.9** 1.374 | **38.1** 1.500 | **1.0** 0.039 | ¼-28UNF | **0.3** 0.6 |
| **25** | | UEL205 | | | | | | | | | | | | M6x0.75 | **0.3** 0.6 |
| | 1 | UEL205-16 | | | | | | | | | | | | ¼-28UNF | **0.3** 0.6 |
| | 1 ⅛ | UEL206-18 | | | | | | | | | | | | 5⁄16-24UNF | **0.4** 0.9 |
| **30** | | UEL206 | **19.5** 4384 | **11.3** 2540 | **62** 2.441 | **19** 0.748 | **48.4** 1.906 | **6.0** 0.236 | **5.0** 0.197 | **18.3** 0.720 | **36.5** 1.437 | **44.5** 1.752 | **1.0** 0.039 | M8x1 | **0.4** 0.9 |
| | 1 3⁄16 | UEL206-19 | | | | | | | | | | | | 5⁄16-24UNF | **0.4** 0.9 |
| | 1 ¼ | UEL206-20 | | | | | | | | | | | | 5⁄16-24UNF | **0.4** 0.8 |
| | 1 ¼ | UEL207-20 | | | | | | | | | | | | 5⁄16-24UNF | **0.7** 1.5 |
| | 1 5⁄16 | UEL207-21 | | | | | | | | | | | | 5⁄16-24UNF | **0.7** 1.4 |
| | 1 ⅜ | UEL207-22 | **25.7** 5778 | **15.4** 3462 | **72** 2.835 | **20** 0.787 | **51.1** 2.012 | **6.8** 0.268 | **5.7** 0.224 | **18.8** 0.740 | **37.6** 1.480 | **55.6** 2.189 | **1.1** 0.043 | 5⁄16-24UNF | **0.6** 1.3 |
| **35** | | UEL207 | | | | | | | | | | | | M8x1 | **0.6** 1.3 |
| | 1 7⁄16 | UEL207-23 | | | | | | | | | | | | 5⁄16-24UNF | **0.6** 1.3 |
| | 1 ½ | UEL208-24 | | | | | | | | | | | | 5⁄16-24UNF | **0.8** 1.8 |
| | 1 9⁄16 | UEL208-25 | **29.1** 6542 | **17.8** 4002 | **80** 3.150 | **21** 0.827 | **56.3** 2.217 | **6.8** 0.268 | **6.0** 0.236 | **21.4** 0.843 | **42.8** 1.685 | **60.3** 2.374 | **1.1** 0.043 | 5⁄16-24UNF | **0.8** 1.7 |
| **40** | | UEL208 | | | | | | | | | | | | M8x1 | **0.8** 1.7 |

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| Shaft Dia. d | | Bearing Designation | Basic Load Ratings | | Dimensions | | | | | | | | Min. Fillet Radius | Set Screw Size | Wt. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Dynamic | Static | D | C | $B_1$ | $S_2$ | $C_1$ | S | B | $d_1$ | r (min.) | G | |
| | | | $C_r$ | $C_{0r}$ | | | | | | | | | | | |
| **mm** | in. | | **kN** lbs | **kN** lbs | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | | **kg** lbs |
| | 1 5/8 | UEL209-26 | | | | | | | | | | | | 5/16-24UNF | **1.0** 2.1 |
| | 1 11/16 | UEL209-27 | **34.1** | **21.3** | **85** | **22** | **56.3** | **6.8** | **6.0** | **21.4** | **42.8** | **63.5** | **1.1** | 5/16-24UNF | **0.9** 2.0 |
| | 1 3/4 | UEL209-28 | 7666 | 4788 | 3.346 | 0.866 | 2.217 | 0.268 | 0.236 | 0.843 | 1.685 | 2.500 | 0.043 | 5/16-24UNF | **0.9** 1.9 |
| **45** | | UEL209 | | | | | | | | | | | | M8x1 | **0.9** 1.9 |
| | 1 7/8 | UEL210-30 | | | | | | | | | | | | 5/16-24UNF | **1.1** 2.4 |
| | 1 15/16 | UEL210-31 | **35.1** | **23.3** | **90** | **24** | **62.7** | **6.8** | **6.0** | **24.6** | **49.2** | **69.9** | **1.1** | 5/16-24UNF | **1.0** 2.3 |
| **50** | | UEL210 | 7891 | 5238 | 3.543 | 0.945 | 2.469 | 0.268 | 0.236 | 0.969 | 1.937 | 2.752 | 0.043 | M8x1 | **1.0** 2.2 |
| | 2 | UEL210-32 | | | | | | | | | | | | 5/16-24UNF | **1.0** 2.2 |
| | 2 | UEL211-32 | | | | | | | | | | | | 3/8-24UNF | **1.6** 3.5 |
| | 2 1/8 | UEL211-34 | **43.4** | **29.4** | **100** | **25** | **71.4** | **8.0** | **7.0** | **27.8** | **55.5** | **76.2** | **1.5** | 3/8-24UNF | **1.5** 3.3 |
| **55** | | UEL211 | 9757 | 6609 | 3.937 | 0.984 | 2.811 | 0.315 | 0.276 | 1.094 | 2.185 | 3.000 | 0.059 | M10x1.25 | **1.4** 3.1 |
| | 2 3/16 | UEL211-35 | | | | | | | | | | | | 3/8-24UNF | **1.4** 3.0 |
| | 2 1/4 | UEL212-36 | | | | | | | | | | | | 3/8-24UNF | **2.0** 4.5 |
| **60** | | UEL212 | **52.4** | **36.2** | **110** | **27** | **77.8** | **8.0** | **7.5** | **31.0** | **61.9** | **84.2** | **1.5** | M10x1.25 | **1.9** 4.1 |
| | 2 7/16 | UEL212-39 | 11780 | 8138 | 4.431 | 1.063 | 3.063 | 0.315 | 0.295 | 1.220 | 2.437 | 3.315 | 0.059 | 3/8-24UNF | **1.9** 4.3 |
| | 2 1/2 | UEL213-40 | **57.2** | **40.1** | **120** | **28** | **85.7** | **8.5** | **7.5** | **34.1** | **68.2** | **92.0** | **1.5** | 3/8-24UNF | **2.5** 5.5 |
| **65** | | UEL213 | 12859 | 9015 | 4.724 | 1.102 | 3.374 | 0.335 | 0.295 | 1.343 | 2.685 | 3.622 | 0.059 | M10x1.25 | **2.5** 5.4 |
| | 2 3/4 | UEL214-44 | **62.2** | **44.1** | **125** | **30** | **85.7** | **8.5** | **9.0** | **34.1** | **68.2** | **97.0** | **1.5** | 3/8-24UNF | **2.9** 6.5 |
| **70** | | UEL214 | 13983 | 9914 | 4.921 | 1.181 | 3.374 | 0.335 | 0.354 | 1.343 | 2.685 | 3.819 | 0.059 | M10x1.25 | **2.9** 6.4 |
| | 2 15/16 | UEL215-47 | | | | | | | | | | | | 3/8-24UNF | **2.7** 6.0 |
| **75** | | UEL215 | **67.4** | **48.3** | **130** | **32** | **92.1** | **8.5** | **9.0** | **37.3** | **74.6** | **102.0** | **1.5** | M10x1.25 | **2.7** 6.0 |
| | 3 | UEL215-48 | 15152 | 10858 | 5.118 | 1.260 | 3.626 | 0.335 | 0.354 | 1.469 | 2.937 | 4.016 | 0.059 | 3/8-24UNF | **2.7** 6.0 |

# *UK 200 INDUSTRIAL TAPERED BORE FOR USE WITH ADAPTER SLEEVE LOCKING SERIES*

The following topics are covered within this section:

UKP 200 Pillow Block Housed Units . . . . . .52
UKPA 200 Tapped Base Pillow Block Housed units . . . . . .54
UKF 200 Four-Bolt Flanged Housed Units . . . . . .56
UKFL 200 Two-Bolt Flanged Housed Units . . . . . .58
UKFC 200 Piloted Round Flanged Housed Units . . . . . .60
UKT 200 Take-Up Housed Units . . . . . .62
UK 200 Wide Inner Ring Ball Bearings . . . . . .64



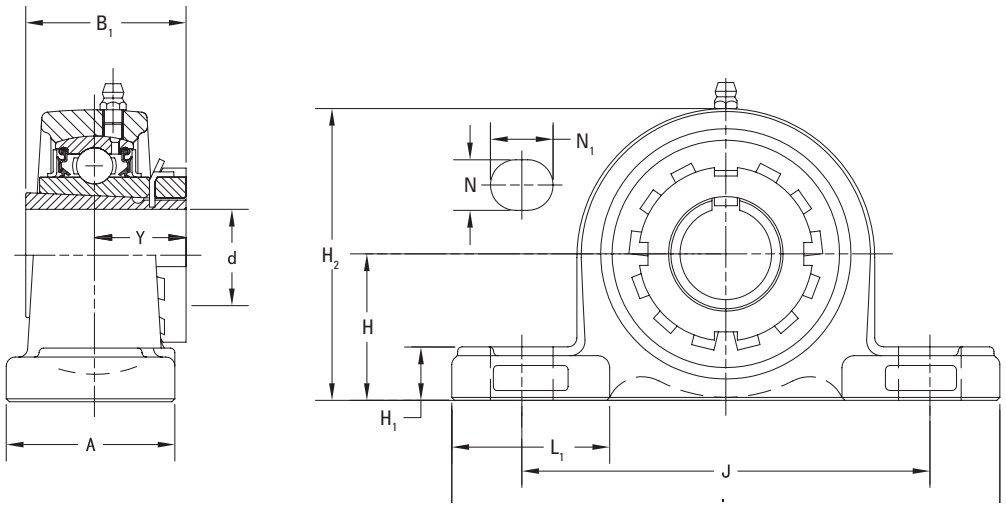
# *UKP 200 INDUSTRIAL TAPERED BORE FOR USE WITH ADAPTER SLEEVE LOCKING SERIES*
# CAST-IRON PILLOW BLOCK HOUSED UNITS

- UKP pillow blocks are suggested for industrial applications where normal loads are encountered.
- Compact, one-piece housing with two-bolt mounting can be installed in any position and makes bearing replacement easy.
- These units use wide inner ring ball bearings with self-aligning spherical outside diameters that compensate for shaft misalignment.
- Timken UKP series housed units feature the Timken tapered bore (UK) bearing insert for use with adapter sleeve.
- Bearing prelubricated and ready for immediate installation.
- Grease fitting supplied for relubrication[1].
- The bonded seal design is well-suited for applications involving wet or dirty environments.
- Bolt-hole spacing and base-to-center height dimensions are interchangeable with competitive units.
- Housing designed for ease of bearing replacement.

| Shaft Dia. d | | Pillow Block Designation | Bearing Designation | Adapter[2] Designation | Basic Load Ratings | | Dimensions | | | | | | | | | | | Bolt Size | Wt. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Dynamic | Static | H | L | $L_1$ | A | $H_1$ | J | $H_2$ | Y | $B_1$ | N | $N_1$ | | |
| | | | | | $C_r$ | $C_{0r}$ | | | | | | | | | | | | | |
| **mm** | in. | | | | **kN** lbs | **kN** lbs | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **kg** lbs |
| | ¾ | UKP205 | UK205 | HE2305 | 3147 | 1765 | 1 7⁄16 | 5 ½ | 1 ½ | 1 ½ | ⅝ | 4 ⅛ | 2 ¾ | 0.781 | 1.378 | ½ | 23⁄32 | ⅜ | 2.0 |
| **20** | | | | H2305 | **14.0** | **7.9** | **36.5** | **140** | **38** | **38** | **16** | **105** | **70** | **20.0** | **35** | **13** | **18** | **M10** | **0.9** |
| **25** | | UKP206 | UK206 | H2306 | **19.5** | **11.3** | **42.9** | **165** | **48** | **48** | **17** | **121** | **84** | **21.5** | **38** | **17** | **21** | **M14** | **1.4** |
| | 1 | | | HE2306 | 4384 | 2540 | 1 11⁄16 | 6 ½ | 1 ⅞ | 1 ⅞ | 21⁄32 | 4 ¾ | 3 5⁄16 | 0.844 | 1.496 | 21⁄32 | 13⁄16 | ½ | 3.0 |
| | 1 ⅛ | UKP207 | UK207 | HS2307 | 5778 | 3462 | 1 ⅞ | 6 9⁄16 | 1 27⁄32 | 1 ⅞ | 23⁄32 | 5 | 3 ¾ | 0.938 | 1.693 | 21⁄32 | 13⁄16 | ½ | 3.9 |
| **30** | | | | H2307 | **25.7** | **15.4** | **47.6** | **167** | **47** | **48** | **18** | **127** | **95** | **24.0** | **43** | **17** | **21** | **M14** | **1.8** |
| | 1 ¼ | UKP208 | UK208 | HE2308 | 6542 | 4002 | 1 15⁄16 | 7 ¼ | 2 3⁄32 | 2 ⅛ | 23⁄32 | 5 13⁄32 | 3 27⁄32 | 1.063 | 1.811 | 21⁄32 | 13⁄16 | ½ | 4.5 |
| **35** | | | | H2308 | **29.1** | **17.8** | **49.2** | **184** | **53** | **54** | **18** | **137** | **98** | **27.0** | **46** | **17** | **21** | **M14** | **2.0** |
| | 1 ½ | UKP209 | UK209 | HE2309 | 7666 | 4788 | 2 ⅛ | 7 15⁄32 | 2 5⁄32 | 2 ⅛ | 25⁄32 | 5 ¾ | 4 3⁄16 | 1.156 | 1.969 | 21⁄32 | 13⁄16 | ½ | 5.3 |
| **40** | | | | H2309 | **34.1** | **21.3** | **54.0** | **190** | **55** | **54** | **20** | **146** | **106** | **29.0** | **50** | **17** | **21** | **M14** | **2.4** |
| | 1 ¾ | UKP210 | UK210 | HE2310 | 7891 | 5238 | 2 ¼ | 8 ⅛ | 2 ⅜ | 2 ⅜ | 13⁄16 | 6 ¼ | 4 7⁄16 | 1.188 | 2.165 | 25⁄32 | ⅞ | ⅝ | 6.9 |
| **45** | | | | H2310 | **35.1** | **23.3** | **57.2** | **206** | **60** | **60** | **21** | **159** | **113** | **30.0** | **55** | **20** | **22** | **M16** | **3.1** |
| **50** | | UKP211 | UK211 | H2311 | **43.4** | **29.4** | **63.5** | **219** | **65** | **60** | **23** | **171** | **125** | **32.0** | **59** | **20** | **22** | **M16** | **3.8** |
| | 2 | | | HE2311 | 9757 | 6609 | 2 ½ | 8 ⅝ | 2 9⁄16 | 2 ⅜ | 29⁄32 | 6 23⁄32 | 4 29⁄32 | 1.250 | 2.323 | 25⁄32 | ⅞ | ⅝ | 8.3 |

[1] For bore sizes up to and including 210, a ¼-28 tapered thread fitting is used. For bore sizes greater than 211, a ⅛ BSPT fitting is used.
[2] Note: Adapter sleeve of the desired size should be ordered separately.

*Continued on next page.*




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| Shaft Dia. d | | Pillow Block Designation | Bearing Designation | Adapter[2] Designation | Basic Load Ratings | | Dimensions | | | | | | | | | | Bolt Size | Wt. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Dynamic | Static | H | L | $L_1$ | A | $H_1$ | J | $H_2$ | Y | $B_1$ | N | $N_1$ | |
| | | | | | $C_r$ | $C_{0r}$ | | | | | | | | | | | | |
| **mm** | in. | | | | **kN** lbs | **kN** lbs | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **kg** lbs |
| | 2 1/8 | UKP212 | UK212 | HS2312 | 11780 | 8138 | 2 3/4 | 9 1/2 | 2 7/8 | 2 3/4 | 31/32 | 7 1/4 | 5 7/16 | 1.438 | 2.441 | 25/32 | 31/32 | 5/8 | 10.6 |
| **55** | | | | H2312 | **52.4** | **36.2** | **69.8** | **241** | **73** | **70** | **25** | **184** | **138** | **36.5** | **62** | **20** | **25** | **M16** | **4.8** |
| | 2 1/4 | UKP213 | UK213 | HE2313 | 11780 | 8138 | 3 | 10 7/16 | 3 1/16 | 2 3/4 | 31/32 | 7 1/4 | 5 7/16 | 1.438 | 2.441 | 25/32 | 31/32 | 5/8 | 10.6 |
| **60** | | | | H2313 | **57.2** | **40.1** | **76.2** | **265** | **78** | **70** | **27** | **203** | **150** | **37.5** | **65** | **25** | **30** | **M20** | **5.6** |
| | 2 1/2 | UKP215 | UK215 | HE2315 | 15152 | 10858 | 3 1/4 | 10 13/16 | 3 1/16 | 2 29/32 | 1 3/32 | 8 17/32 | 6 3/8 | 1.594 | 2.874 | 31/32 | 1 3/16 | 3/4 | 17.1 |
| **65** | | | | H2315 | **67.4** | **48.3** | **82.6** | **275** | **78** | **74** | **28** | **217** | **162** | **40.5** | **73** | **25** | **30** | **M20** | **7.8** |
| | 2 3/4 | UKP216 | UK216 | HE2316 | 16344 | 11915 | 3 1/2 | 11 1/2 | 3 9/32 | 3 1/16 | 1 3/16 | 9 1/8 | 6 27/32 | 1.750 | 3.071 | 31/32 | 1 3/8 | 3/4 | 20.5 |
| **70** | | | | H2316 | **72.7** | **53.0** | **88.9** | **292** | **83** | **78** | **30** | **232** | **174** | **44.5** | **78** | **25** | **35** | **M20** | **9.3** |
| **75** | | UKP217 | UK217 | H2317 | **84.0** | **61.9** | **95.2** | **310** | **87** | **83** | **32** | **247** | **185** | **46.5** | **82** | **25** | **35** | **M20** | **11.2** |
| | 3 | | | HE2317 | 18884 | 13916 | 3 3/4 | 12 7/32 | 3 7/16 | 3 9/32 | 1 1/4 | 9 23/32 | 7 9/32 | 1.828 | 3.228 | 31/32 | 1 3/8 | 3/4 | 24.7 |
| **80** | | UKP218 | UK218 | H2318 | **96.1** | **71.5** | **101.6** | **327** | **94** | **88** | **33** | **262** | **198** | **49.5** | **86** | **27** | **40** | **M22** | **13.5** |

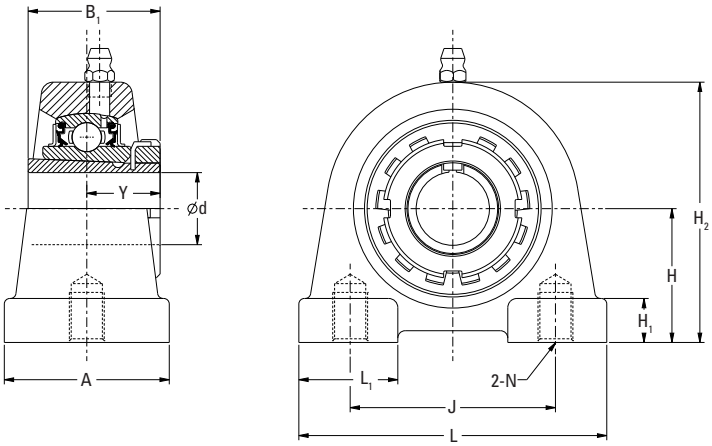
[2] Note: Adapter sleeve of the desired size should be ordered separately.

# *UKPA 200 INDUSTRIAL TAPERED BORE FOR USE WITH ADAPTER SLEEVE LOCKING SERIES CAST-IRON TAPPED BASE PILLOW BLOCK HOUSED UNITS*

- UKPA tapped base pillow blocks are suggested for industrial applications where normal loads are encountered.
- Compact, one-piece housing with two-bolt mounting can be installed in any position and makes bearing replacement easy.
- These units are primarily designed for applications where the mounting area is restricted, bolt screws are accessed from the bottom of the unit and reversing moments do not occur.
- These units use wide inner ring ball bearings with self-aligning spherical outside diameters that compensate for shaft misalignment.
- Timken UKPA series housed units feature the Timken tapered bore (UK) bearing insert for use with adapter sleeve.
- Bearing prelubricated and ready for immediate installation.
- Grease fitting supplied for relubrication[1].
- The bonded seal design is well-suited for applications involving wet or dirty environments.
- Bolt-hole spacing and base-to-center height dimensions are interchangeable with competitive units.
- Housing designed for ease of bearing replacement.

[1] For bore sizes up to and including 210, a 1/4-28 tapered thread fitting is used. For bore sizes greater than 211, a 1/8 BSPT fitting is used.

| Shaft Dia. d | | Pillow Block Designation | Bearing Designation | Adapter[2] Designation | Basic Load Ratings | | Dimensions | | | | | | | | | | Wt. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Dynamic | Static | H | L | A | J | N | $H_1$ | $H_2$ | $L_1$ | $B_1$ | Y | |
| | | | | | $C_r$ | $C_{0r}$ | | | | | | | | | | | |
| **mm** | in. | | | | **kN** lbs | **kN** lbs | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **kg** lbs |
| | ¾ | UKPA205 | UK205 | HE2305 | **14.0** 3147 | **7.9** 1765 | **36.5** 1 7⁄16 | **84** 3 5⁄16 | **45** 1 25⁄32 | **56** 2 13⁄64 | **M10x1.5** | **12** 15⁄32 | **71** 2 25⁄32 | **27** 1 1⁄16 | **35.0** 1.378 | **20.0** 0.781 | **0.9** 2.0 |
| **20** | | | | H2305 | | | | | | | | | | | | | |
| **25** | | UKPA206 | UK206 | HE2306 | **19.5** 4384 | **11.3** 2540 | **42.9** 1 11⁄16 | **94** 3 11⁄16 | **50** 1 31⁄32 | **66** 2 19⁄32 | **M14x2.0** | **13** ½ | **84** 3 5⁄16 | **30** 1 3⁄16 | **38.0** 1.496 | **21.5** 0.844 | **2.9** 1.3 |
| | 1 | | | H2306 | | | | | | | | | | | | | |
| | 1 1⁄8 | UKPA207 | UK207 | HS2307 | **25.7** 5778 | **15.4** 3462 | **47.6** 1 7⁄8 | **110** 4 11⁄32 | **55** 2 5⁄32 | **80** 3 5⁄32 | **M14x2.0** | **13** ½ | **93** 3 21⁄32 | **38** 1 ½ | **43.0** 1.693 | **24.0** 0.938 | **1.8** 4.0 |
| **30** | | | | H2307 | | | | | | | | | | | | | |




| Shaft Dia. d | | Pillow Block Designation | Bearing Designation | Adapter[2] Designation | Basic Load Ratings | | Dimensions | | | | | | | | | | Wt. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Dynamic | Static | H | L | A | J | N | $H_1$ | $H_2$ | $L_1$ | $B_1$ | Y | |
| | | | | | $C_r$ | $C_{0r}$ | | | | | | | | | | | |
| **mm** | in. | | | | **kN** lbs | **kN** lbs | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **kg** lbs |
| | 1 ¼ | UKPA208 | UK208 | HE2308 | **29.1** | **17.8** | **49.2** | **116** | **58** | **84** | **M14x2.0** | **13** | **98** | **36** | **46.0** | **27.0** | **1.9** |
| **35** | | | | H2308 | 6542 | 4002 | 1 15/16 | 4 9/16 | 2 9/32 | 3 5/16 | | ½ | 3 27/32 | 1 13/32 | 1.811 | 1.063 | 4.2 |
| | 1 ½ | UKPA209 | UK209 | HE2309 | **34.1** | **21.3** | **54.2** | **120** | **60** | **90** | **M14x2.0** | **13** | **106** | **42** | **50.0** | **29.0** | **2.3** |
| **40** | | | | H2309 | 7666 | 4788 | 2 9/64 | 4 23/32 | 2 3/8 | 3 35/64 | | ½ | 4 3/16 | 1 21/32 | 1.969 | 1.156 | 5.0 |
| | 1 ¾ | UKPA210 | UK210 | HE2310 | **35.1** | **23.3** | **57.2** | **130** | **64** | **94** | **M16x2.0** | **14** | **113** | **44** | **55.0** | **30.0** | **2.9** |
| **45** | | | | H2310 | 7891 | 5238 | 2 1/4 | 5 1/8 | 2 17/32 | 3 45/64 | | 35/64 | 4 7/16 | 1 23/32 | 2.165 | 1.188 | 6.4 |

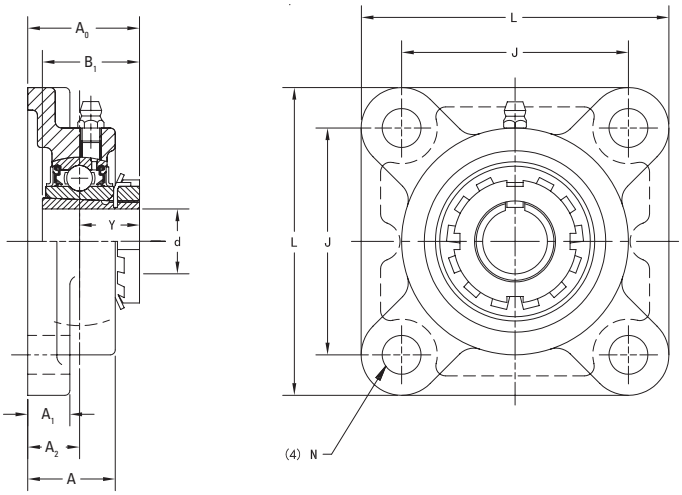
# *UKF 200 INDUSTRIAL TAPERED BORE FOR USE WITH ADAPTER SLEEVE LOCKING SERIES* CAST-IRON FOUR-BOLT FLANGED HOUSED UNITS

- UKF four-bolt flanged units are suggested for industrial applications where normal loads are encountered.
- Each unit comes assembled and ready for mounting, using bolts through the flange.
- These units use wide inner ring ball bearings with self-aligning spherical outside diameters that compensate for shaft misalignment.
- Timken UKF series housed units feature the Timken tapered bore (UK) bearing insert for use with adapter sleeve.
- Bearing prelubricated and ready for immediate installation.
- Grease fitting supplied for relubrication[1].
- The bonded seal design is well-suited for applications involving wet or dirty environments.
- Bolt-hole spacing dimensions and shaft center location are interchangeable with competitive units.
- Housing designed for ease of bearing replacement.

| Shaft Dia. d | | Four-Bolt Flange Designation | Bearing Designation | Adapter[2] Designation | Basic Load Ratings | | Dimensions | | | | | | | | | Bolt Size | Wt. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Dynamic | Static | L | J | $A_1$ | A | $A_0$ | Y | $B_1$ | $A_2$ | N | | |
| | | | | | $C_r$ | $C_{0r}$ | | | | | | | | | | | |
| **mm** | in. | | | | **kN** lbs | **kN** lbs | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **kg** lbs |
| | ¾ | UKF205 | UK205 | HE2305 | 3147 | 1765 | 3 ¾ | 2 ¾ | ½ | 1 1⁄16 | 1 13⁄32 | 0.781 | 1.378 | ⅝ | 15⁄32 | ⅜ | 1.9 |
| **20** | | | | H2305 | **14.0** | **7.9** | **95** | **70** | **13** | **27** | **36.0** | **20.0** | **35** | **16** | **12** | **M10** | **0.9** |
| **25** | | UKF206 | UK206 | H2306 | **19.5** | **11.3** | **108** | **83** | **13** | **31** | **39.5** | **21.5** | **38** | **18** | **12** | **M10** | **1.3** |
| | 1 | | | HE2306 | 4384 | 2540 | 4 ¼ | 3 17⁄64 | ½ | 1 7⁄32 | 1 9⁄16 | 0.844 | 1.496 | 45⁄64 | 15⁄32 | ⅜ | 2.9 |
| | 1 ⅛ | UKF207 | UK207 | HS2307 | 5778 | 3462 | 4 19⁄32 | 3 ⅝ | 19⁄32 | 1 11⁄32 | 1 11⁄16 | 0.938 | 1.693 | ¾ | 35⁄64 | 7⁄16 | 3.5 |
| **30** | | | | H2307 | **25.7** | **15.4** | **117** | **92** | **15** | **34** | **43.0** | **24.0** | **43** | **19** | **14** | **M12** | **1.6** |
| | 1 ¼ | UKF208 | UK208 | HE2308 | 6542 | 4002 | 5 ⅛ | 4 1⁄64 | 19⁄32 | 1 13⁄32 | 1 ⅞ | 1.063 | 1.811 | 53⁄64 | ⅝ | ½ | 4.2 |
| **35** | | | | H2308 | **29.1** | **17.8** | **130** | **102** | **15** | **36** | **48.0** | **27.0** | **46** | **21** | **16** | **M14** | **1.9** |
| | 1 ½ | UKF209 | UK209 | HE2309 | 7666 | 4788 | 5 13⁄32 | 4 9⁄64 | ⅝ | 1 ½ | 2 | 1.156 | 1.969 | 55⁄64 | ⅝ | ½ | 5.1 |
| **40** | | | | H2309 | **34.1** | **21.3** | **137** | **105** | **16** | **38** | **51.0** | **29.0** | **50** | **22** | **16** | **M14** | **2.3** |
| | 1 ¾ | UKF210 | UK210 | HE2310 | 7891 | 5238 | 5 ⅝ | 4 ⅜ | ⅝ | 1 9⁄16 | 2 1⁄16 | 1.188 | 2.165 | 55⁄64 | ⅝ | ½ | 5.7 |
| **45** | | | | H2310 | **35.1** | **23.3** | **143** | **111** | **16** | **40** | **52.0** | **30.0** | **55** | **22** | **16** | **M14** | **2.6** |
| **50** | | UKF211 | UK211 | H2311 | **43.4** | **29.4** | **162** | **130** | **18** | **43** | **57.5** | **32.0** | **59** | **25** | **19** | **M16** | **3.5** |
| | 2 | | | HE2311 | 9757 | 6609 | 6 ⅜ | 5 ⅛ | 23⁄32 | 1 11⁄16 | 2 ¼ | 1.250 | 2.323 | 63⁄64 | ¾ | ⅝ | 7.7 |

[1] For bore sizes up to and including 210, a ¼-28 tapered thread fitting is used. For bore sizes greater than 211, a ⅛ BSPT fitting is used.
[2] Note: Adapter sleeve of the desired size should be ordered separately.

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| Shaft Dia. d | | Four-Bolt Flange Designation | Bearing Designation | Adapter[2] Designation | Basic Load Ratings | | Dimensions | | | | | | | | | Bolt Size | Wt. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Dynamic | Static | L | J | $A_1$ | A | $A_0$ | Y | $B_1$ | $A_2$ | N | | |
| | | | | | $C_r$ | $C_{0r}$ | | | | | | | | | | | |
| **mm** | in. | | | | **kN** lbs | **kN** lbs | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **kg** lbs |
| | 2 1/8 | UKF212 | UK212 | HS2312 | 11780 | 8138 | 6 7/8 | 5 5/8 | 23/32 | 1 7/8 | 2 19/32 | 1.438 | 2.441 | 1 9/64 | 3/4 | 5/8 | 9.0 |
| **55** | | | | H2312 | **52.4** | **36.2** | **175** | **143** | **18** | **48** | **65.5** | **36.5** | **62** | **29** | **19** | **M16** | **4.1** |
| | 2 1/4 | UKF213 | UK213 | HE2313 | 12859 | 9015 | 7 3/8 | 5 55/64 | 7/8 | 1 31/32 | 2 21/32 | 1.469 | 2.559 | 1 3/16 | 3/4 | 5/8 | 11.2 |
| **60** | | | | H2313 | **57.2** | **40.1** | **187** | **149** | **22** | **50** | **67.5** | **37.5** | **65** | **30** | **19** | **M16** | **5.1** |
| | 2 1/2 | UKF215 | UK215 | HE2315 | 15152 | 10858 | 7 7/8 | 6 17/64 | 7/8 | 2 7/32 | 2 15/16 | 1.594 | 2.874 | 1 11/32 | 3/4 | 5/8 | 14.3 |
| **65** | | | | H2315 | **67.4** | **48.3** | **200** | **159** | **22** | **56** | **74.5** | **40.5** | **73** | **34** | **19** | **M16** | **6.5** |
| | 2 3/4 | UKF216 | UK216 | HE2316 | 15152 | 10858 | 7 7/8 | 6 17/64 | 7/8 | 2 7/32 | 2 15/16 | 1.594 | 2.874 | 1 11/32 | 3/4 | 5/8 | 14.3 |
| **70** | | | | H2316 | **72.7** | **53.0** | **208** | **165** | **22** | **58** | **78.5** | **44.5** | **78** | **34** | **23** | **M20** | **7.6** |
| **75** | | UKF217 | UK217 | H2317 | **84.0** | **61.9** | **220** | **175** | **24** | **63** | **82.5** | **46.5** | **82** | **36** | **23** | **M20** | **9.0** |
| | 3 | | | HE2317 | 18884 | 13916 | 8 21/32 | 6 57/64 | 15/16 | 2 15/32 | 3 1/4 | 1.828 | 3.228 | 1 27/64 | 29/32 | 3/4 | 19.8 |
| **80** | | UKF218 | UK218 | H2318 | **96.1** | **71.5** | **235** | **187** | **25** | **68** | **89.5** | **49.5** | **86** | **40** | **23** | **M20** | **11.4** |
| | - | | | | 21604 | 16074 | 9 1/4 | 7 23/64 | 31/32 | 2 11/16 | 3 17/32 | 1.953 | 3.386 | 1 37/64 | 29/32 | 3/4 | 25.1 |

[2] Note: Adapter sleeve of the desired size should be ordered separately.

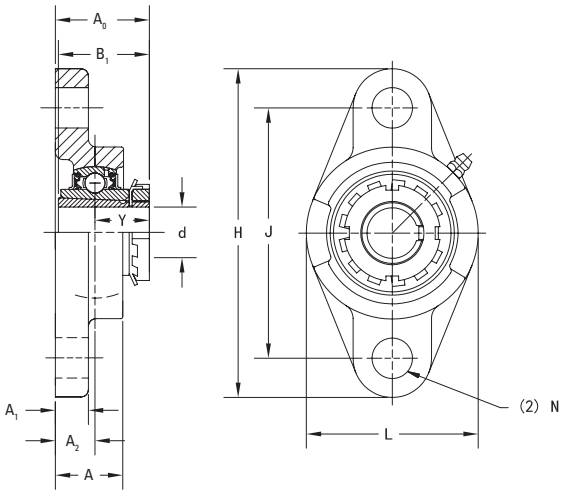
# *UKFL 200 INDUSTRIAL TAPERED BORE FOR USE WITH ADAPTER SLEEVE LOCKING SERIES* CAST-IRON TWO-BOLT FLANGED HOUSED UNITS

- UKFL two-bolt flanged units are suggested for industrial applications where normal loads are encountered.
- This series is primarily designed for applications where the mounting area is restricted.
- Each unit comes assembled and ready for mounting, using bolts through the flange.
- These units use wide inner ring ball bearings with self-aligning spherical outside diameters that compensate for shaft misalignment.
- Timken UKFL series housed units feature the Timken tapered bore (UK) bearing insert for use with adapter sleeve.
- Bearing prelubricated and ready for immediate installation.
- Grease fitting supplied for relubrication[1].
- The bonded seal design is well-suited for applications involving wet or dirty environments.
- Bolt-hole spacing dimensions and shaft center location are interchangeable with competitive units.
- Housing designed for ease of bearing replacement.

| Shaft Dia. d | | Two-Bolt Flange Designation | Bearing Designation | Adapter[2] Designation | Basic Load Ratings | | Dimensions | | | | | | | | | | Bolt Size | Wt. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Dynamic | Static | H | J | $A_1$ | A | $A_0$ | L | $A_2$ | Y | $B_1$ | N | | |
| | | | | | $C_r$ | $C_{0r}$ | | | | | | | | | | | | |
| **mm** | in. | | | | **kN** lbs | **kN** lbs | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **kg** lbs |
| | ¾ | UKFL205 | UK205 | HE2305 | 3147 | 1765 | 5 1⁄8 | 3 57⁄64 | ½ | 1 1⁄16 | 1 13⁄32 | 2 11⁄16 | 5⁄8 | 0.781 | 1.378 | 5⁄8 | ½ | 1.5 |
| **20** | | | | H2305 | **14.0** | **7.9** | **130** | **99** | **13** | **27** | **36.0** | **68** | **16** | **20.0** | **35** | **16** | **M14** | **0.7** |
| **25** | | UKFL206 | UK206 | H2306 | **19.5** | **11.3** | **148** | **117** | **13** | **31** | **39.5** | **80** | **18** | **21.5** | **38** | **16** | **M14** | **1.0** |
| | 1 | | | HE2306 | 4384 | 2540 | 5 13⁄16 | 4 39⁄64 | ½ | 1 7⁄32 | 1 9⁄16 | 3 5⁄32 | 45⁄64 | 0.844 | 1.496 | 5⁄8 | ½ | 2.1 |
| | 1 1⁄8 | UKFL207 | UK207 | HS2307 | 5778 | 3462 | 5 11⁄32 | 5 1⁄8 | 9⁄16 | 1 11⁄32 | 1 11⁄16 | 3 17⁄32 | ¾ | 0.938 | 1.693 | 5⁄8 | ½ | 2.9 |
| **30** | | | | H2307 | **25.7** | **15.4** | **161** | **130** | **14** | **34** | **43.0** | **90** | **19** | **24.0** | **43** | **16** | **M14** | **1.3** |
| | 1 ¼ | UKFL208 | UK208 | HE2308 | 6542 | 4002 | 6 7⁄8 | 5 43⁄64 | 9⁄16 | 1 13⁄32 | 1 7⁄8 | 3 15⁄16 | 53⁄64 | 1.063 | 1.811 | 5⁄8 | ½ | 3.5 |
| **35** | | | | H2308 | **29.1** | **17.8** | **175** | **144** | **14** | **36** | **48.0** | **100** | **21** | **27.0** | **46** | **16** | **M14** | **1.6** |
| | 1 ½ | UKFL209 | UK209 | HE2309 | 7666 | 4788 | 7 13⁄32 | 5 53⁄64 | 19⁄32 | 1 ½ | 2 | 4 ¼ | 55⁄64 | 1.156 | 1.969 | ¾ | 5⁄8 | 4.4 |
| **40** | | | | H2309 | **34.1** | **21.3** | **188** | **148** | **15** | **38** | **51.0** | **108** | **22** | **29.0** | **50** | **19** | **M16** | **2.0** |
| | 1 ¾ | UKFL210 | UK210 | HE2310 | 7891 | 5238 | 7 ¾ | 6 3⁄16 | 19⁄32 | 1 9⁄16 | 2 1⁄16 | 4 17⁄32 | 55⁄64 | 1.188 | 2.165 | ¾ | 5⁄8 | 5.1 |
| **45** | | | | H2310 | **35.1** | **23.3** | **197** | **157** | **15** | **40** | **52.0** | **115** | **22** | **30.0** | **55** | **19** | **M16** | **2.3** |
| **50** | | UKFL211 | UK211 | H2311 | **43.4** | **29.4** | **224** | **184** | **18** | **43** | **57.0** | **130** | **25** | **32.0** | **59** | **19** | **M16** | **3.3** |
| | 2 | | | HE2311 | 9757 | 6609 | 8 13⁄16 | 7 ¼ | 23⁄32 | 1 11⁄16 | 2 ¼ | 5 1⁄8 | 63⁄64 | 1.250 | 2.323 | ¾ | 5⁄8 | 7.3 |

[1] For bore sizes up to and including 210, a ¼-28 tapered thread fitting is used. For bore sizes greater than 211, a ⅛ BSPT fitting is used.
[2] Note: Adapter sleeve of the desired size should be ordered separately.

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| Shaft Dia. d | | Two-Bolt Flange Designation | Bearing Designation | Adapter[2] Designation | Basic Load Ratings | | Dimensions | | | | | | | | | | Bolt Size | Wt. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Dynamic | Static | H | J | $A_1$ | A | $A_0$ | L | $A_2$ | Y | $B_1$ | N | | |
| | | | | | $C_r$ | $C_{0r}$ | | | | | | | | | | | | |
| **mm** | in. | | | | **kN** lbs | **kN** lbs | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **kg** lbs |
| | 2 1/8 | UKFL212 | UK212 | HS2312 | 11780 | 8138 | 9 27/32 | 7 61/64 | 23/32 | 1 7/8 | 2 19/32 | 5 1/2 | 1 9/64 | 1.438 | 2.441 | 29/32 | 3/4 | 9.0 |
| **55** | | | | H2312 | **52.4** | **36.2** | **250** | **202** | **18** | **48** | **65.5** | **140** | **29** | **36.5** | **62** | **23** | **M20** | **4.1** |
| | 2 1/4 | UKFL213 | UK213 | HE2313 | 12859 | 9015 | 10 5/32 | 8 17/64 | 25/32 | 1 31/32 | 2 21/32 | 6 3/32 | 1 3/16 | 1.469 | 2.559 | 29/32 | 3/4 | 11.0 |
| **60** | | | | H2313 | **57.2** | **40.1** | **258** | **210** | **20** | **50** | **67.5** | **155** | **30** | **37.5** | **65** | **23** | **M20** | **5.0** |
| | 2 1/2 | UKFL215 | UK215 | HE2315 | 15152 | 10858 | 10 13/16 | 8 55/64 | 25/32 | 2 7/32 | 2 15/16 | 6 1/2 | 1 11/32 | 1.594 | 2.874 | 29/32 | 3/4 | 14.6 |
| **65** | | | | H2315 | **67.4** | **48.3** | **275** | **225** | **20** | **56** | **74.5** | **165** | **34** | **40.5** | **73** | **23** | **M20** | **6.6** |
| | 2 3/4 | UKFL216 | UK216 | HE2316 | 16344 | 11915 | 11 13/32 | 9 11/64 | 25/32 | 2 9/32 | 3 3/32 | 7 3/32 | 1 11/32 | 1.750 | 3.071 | 63/64 | 7/8 | 17.9 |
| **70** | | | | H2316 | **72.7** | **53.0** | **290** | **233** | **20** | **58** | **78.5** | **180** | **34** | **44.5** | **78** | **25** | **M22** | **8.1** |
| **75** | | UKFL217 | UK217 | H2317 | **84.0** | **61.9** | **305** | **248** | **22** | **63** | **82.5** | **190** | **36** | **46.5** | **82** | **25** | **M22** | **9.9** |
| | 3 | | | HE2317 | 18884 | 13916 | 12 | 9 49/64 | 7/8 | 2 15/32 | 3 1/4 | 7 19/32 | 1 27/64 | 1.828 | 3.228 | 63/64 | 7/8 | 21.8 |
| **80** | | UKFL218 | UK218 | H2318 | **96.1** | **71.5** | **320** | **265** | **23** | **68** | **89.5** | **205** | **40** | **49.5** | **86** | **25** | **M22** | **12.2** |
| | - | | | | 21604 | 16074 | 12 19/32 | 10 7/16 | 29/32 | 2 11/16 | 3 17/32 | 8 1/16 | 1 37/64 | 1.953 | 3.386 | 63/64 | 7/8 | 26.9 |

[2] Note: Adapter sleeve of the desired size should be ordered separately.

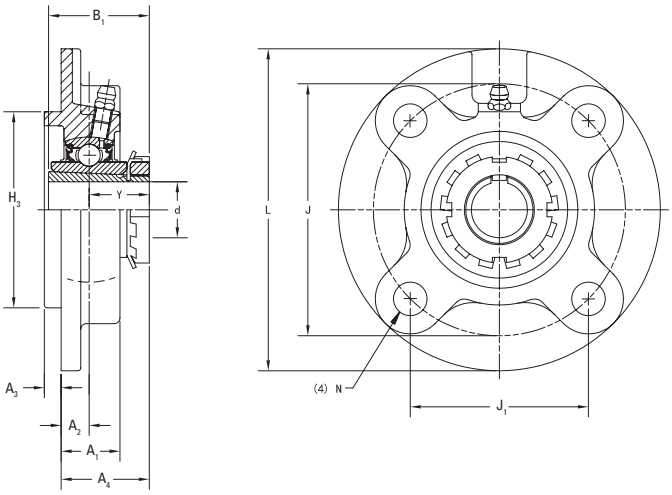
# *UKFC 200 INDUSTRIAL TAPERED BORE FOR USE WITH ADAPTER SLEEVE LOCKING SERIES*
# CAST-IRON PILOTED ROUND FLANGED HOUSED UNITS

- UKFC piloted round flanged units are suggested for industrial applications where normal loads are encountered.
- UKFC piloted round flanged units ensure accurate mounting fits and provide better support for heavy loads.
- Each unit comes assembled and ready for mounting, using bolts through the flange.
- These units use wide inner ring ball bearings with self-aligning spherical outside diameters that compensate for shaft misalignment.
- Timken UKFC series housed units feature the Timken tapered bore (UK) bearing insert for use with adapter sleeve.
- Bearing prelubricated and ready for immediate installation.
- Grease fitting supplied for relubrication[1].
- The bonded seal design is well-suited for industrial applications involving wet or dirty environments.
- Bolt-hole spacing dimensions and shaft center location are interchangeable with competitive units.
- Housing designed for ease of bearing replacement.

| Shaft Dia. d | | Round Flange Cartridge Designation | Bearing Designation | Adapter[2] Designation | Basic Load Ratings | | Dimensions | | | | | | | | | | | Bolt Size | Wt. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Dynamic | Static | L | J | $J_1$ | $A_1$ | $A_2$ | $A_3$ | $A_4$ | $H_3$ | Y | $B_1$ | N | | |
| | | | | | $C_r$ | $C_{0r}$ | | | | | | | | | | | | | |
| **mm** | in. | | | | **kN** lbs | **kN** lbs | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **kg** lbs |
| | ¾ | UKFC205 | UK205 | HE2305 | 3147 | 1765 | 4 17/32 | 3 35/64 | 2 ½ | 13/16 | 25/64 | 15/64 | 1 3/16 | 2.756 | 0.781 | 1.378 | 15/32 | 3/8 | 2.2 |
| **20** | | | | H2305 | **14.0** | **7.9** | **115** | **90** | **63.6** | **21** | **10** | **6** | **30.0** | **70** | **20.0** | **35** | **12** | **M10** | **1.0** |
| **25** | | UKFC206 | UK206 | H2306 | **19.5** | **11.3** | **125** | **100** | **70.7** | **23** | **10** | **8** | **31.5** | **80** | **21.5** | **38** | **12** | **M10** | **1.3** |
| | 1 | | | HE2306 | 4384 | 2540 | 4 29/32 | 3 15/16 | 2 25/32 | 29/32 | 25/64 | 5/16 | 1 ¼ | 3.150 | 0.844 | 1.496 | 15/32 | 3/8 | 2.9 |
| | 1 1/8 | UKFC207 | UK207 | HS2307 | 5778 | 3462 | 5 5/16 | 4 21/64 | 3 1/16 | 1 1/32 | 7/16 | 5/16 | 1 3/8 | 3.543 | 0.938 | 1.693 | 35/64 | 7/16 | 3.7 |
| **30** | | | | H2307 | **25.7** | **15.4** | **135** | **110** | **77.8** | **26** | **11** | **8** | **35.0** | **90** | **24.0** | **43** | **14** | **M12** | **1.7** |
| | 1 ¼ | UKFC208 | UK208 | HE2308 | 6542 | 4002 | 5 23/32 | 4 23/32 | 3 11/32 | 1 1/32 | 7/16 | 25/64 | 1 ½ | 3.937 | 1.063 | 1.811 | 35/64 | 7/16 | 4.4 |
| **35** | | | | H2308 | **29.1** | **17.8** | **145** | **120** | **84.8** | **26** | **11** | **10** | **38.0** | **100** | **27.0** | **46** | **14** | **M12** | **2.0** |
| | 1 ½ | UKFC209 | UK209 | HE2309 | 7666 | 4788 | 6 5/16 | 5 13/64 | 3 43/64 | 1 1/32 | 25/64 | 15/32 | 1 17/32 | 4.134 | 1.156 | 1.969 | 5/8 | ½ | 6.0 |
| **40** | | | | H2309 | **34.1** | **21.3** | **160** | **132** | **93.3** | **26** | **10** | **12** | **39.0** | **105** | **29.0** | **50** | **16** | **M14** | **2.7** |
| | 1 ¾ | UKFC210 | UK210 | HE2310 | 7891 | 5238 | 6 ½ | 5 7/16 | 3 27/32 | 1 3/32 | 25/64 | 15/32 | 1 9/16 | 4.331 | 1.188 | 2.165 | 5/8 | ½ | 6.6 |
| **45** | | | | H2310 | **35.1** | **23.3** | **165** | **138** | **97.6** | **28** | **10** | **12** | **40.0** | **110** | **30.0** | **55** | **16** | **M14** | **3.0** |
| **50** | | UKFC211 | UK211 | H2311 | **43.4** | **29.4** | **185** | **150** | **106.1** | **31** | **13** | **12** | **45.5** | **125** | **32.0** | **59** | **19** | **M16** | **4.3** |
| | 2 | | | HE2311 | 9757 | 6609 | 7 3/32 | 5 29/32 | 4 11/64 | 1 7/32 | 33/64 | 15/32 | 1 25/32 | 4.921 | 1.250 | 2.323 | ¾ | 5/8 | 9.5 |

[1] For bore sizes up to and including 210, a ¼-28 tapered thread fitting is used. For bore sizes greater than 211, a ⅛ BSPT fitting is used.
[2] Note: Adapter sleeve of the desired size should be ordered separately.

*Continued on next page.*




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| Shaft Dia. d | | Round Flange Cartridge Designation | Bearing Designation | Adapter[2] Designation | Basic Load Ratings | | Dimensions | | | | | | | | | | Bolt Size | Wt. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Dynamic | Static | L | J | $J_1$ | $A_1$ | $A_2$ | $A_3$ | $A_4$ | $H_3$ | Y | $B_1$ | N | |
| | | | | | $C_r$ | $C_{0r}$ | | | | | | | | | | | | |
| **mm** | in. | | | | **kN** lbs | **kN** lbs | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **kg** lbs |
| | 2 1/8 | UKFC212 | UK212 | HS2312 | 11780 | 8138 | 7 11/16 | 6 19/64 | 4 29/64 | 1 13/32 | 43/64 | 15/32 | 2 3/32 | 5.315 | 1.438 | 2.441 | 3/4 | 5/8 | 10.8 |
| **55** | | | | H2312 | **52.4** | **36.2** | **195** | **160** | **113.1** | **36** | **17** | **12** | **53.5** | **135** | **36.5** | **62** | **19** | **M16** | **4.9** |
| | 2 1/4 | UKFC213 | UK213 | HE2313 | 12859 | 9015 | 8 1/16 | 6 11/64 | 4 47/64 | 1 13/32 | 5/8 | 35/64 | 2 3/32 | 5.709 | 1.469 | 2.559 | 3/4 | 5/8 | 12.1 |
| **60** | | | | H2313 | **57.2** | **40.1** | **205** | **170** | **120.2** | **36** | **16** | **14** | **53.5** | **145** | **37.5** | **65** | **19** | **M16** | **5.5** |
| | 2 1/2 | UKFC215 | UK215 | HE2315 | 15152 | 10858 | 8 21/32 | 7 1/4 | 5 1/8 | 1 9/16 | 45/64 | 5/8 | 2 5/16 | 6.299 | 1.594 | 2.874 | 3/4 | 5/8 | 16.3 |
| **65** | | | | H2315 | **67.4** | **48.3** | **220** | **184** | **130.1** | **40** | **18** | **16** | **58.5** | **160** | **40.5** | **73** | **19** | **M16** | **7.4** |
| | 2 3/4 | UKFC216 | UK216 | HE2316 | 16344 | 11915 | 9 7/16 | 7 7/8 | 5 9/16 | 1 13/32 | 45/64 | 5/8 | 2 15/32 | 6.693 | 1.750 | 3.071 | 29/32 | 3/4 | 19.8 |
| **70** | | | | H2316 | **72.7** | **53.0** | **240** | **200** | **141.4** | **42** | **18** | **16** | **62.5** | **170** | **44.5** | **78** | **23** | **M20** | **9.0** |
| **75** | | UKFC217 | UK217 | H2317 | **84.0** | **61.9** | **250** | **208** | **147.1** | **45** | **18** | **18** | **64.5** | **180** | **46.5** | **82** | **23** | **M20** | **10.4** |
| | 3 | | | HE2317 | 18884 | 13916 | 9 27/32 | 8 3/16 | 5 51/64 | 1 25/32 | 45/64 | 45/64 | 2 17/32 | 7.087 | 1.828 | 3.228 | 29/32 | 3/4 | 22.9 |
| **80** | | UKFC218 | UK218 | H2318 | **96.1** | **71.5** | **265** | **220** | **155.5** | **50** | **22** | **18** | **71.5** | **190** | **49.5** | **86** | **23** | **M20** | **13.3** |
| | - | | | | 21604 | 16074 | 10 7/16 | 8 21/32 | 6 1/8 | 1 31/32 | 55/64 | 45/64 | 2 13/16 | 7.480 | 1.953 | 3.386 | 29/32 | 3/4 | 29.3 |

[2] Note: Adapter sleeve of the desired size should be ordered separately.

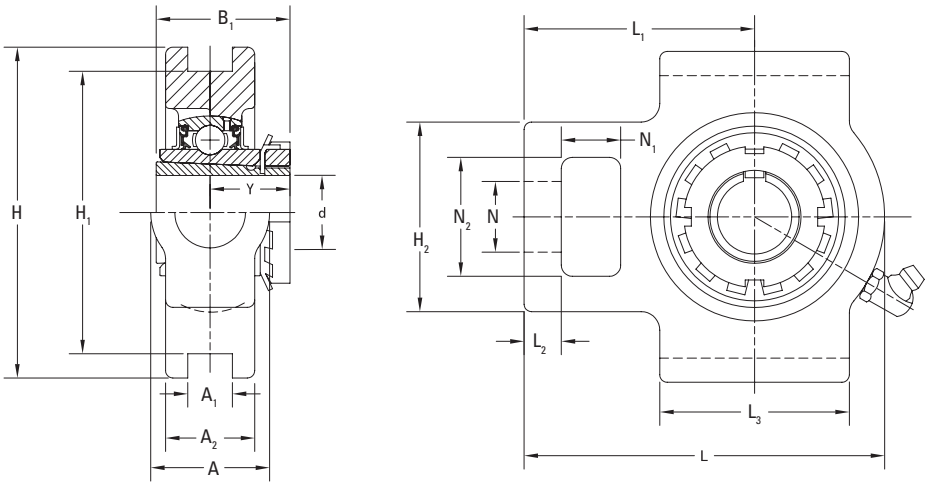
# *UKT 200 INDUSTRIAL TAPERED BORE FOR USE WITH ADAPTER SLEEVE LOCKING SERIES*
# CAST-IRON TAKE-UP HOUSED UNITS

- UKT take-up units are suggested for industrial applications where normal loads are encountered.
- UKT take-up units are used where shaft adjustment and belt-tightening devices are required, such as in conveyor applications.
- These units provide compact, efficient supports for adjustable shafts and conveyer take-up pulleys.
- Each unit comes assembled and ready for mounting.
- These units use wide inner ring ball bearings with self-aligning spherical outside diameters that compensate for shaft misalignment.
- Timken UKT series housed units feature the Timken tapered bore (UK) bearing insert for use with adapter sleeve.
- Bearing prelubricated and ready for immediate installation.
- Grease fitting supplied for relubrication[1].
- The bonded seal design is well-suited for industrial applications involving wet or dirty environments.
- Slot spacing and width are interchangeable with competitive units.
- Housing designed for ease of bearing replacement.

| Shaft Dia. d | | Take-Up Unit Designation | Bearing Designation | Adapter[2] Designation | Basic Load Ratings | | Dimensions | | | | | | | | | | | | | | | Wt. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Dynamic | Static | H | $H_1$ | $L_2$ | $L_1$ | $A_2$ | A | N | L | $H_2$ | Y | $B_1$ | $L_3$ | $N_1$ | $N_2$ | $A_1$ | |
| | | | | | $C_r$ | $C_{0r}$ | | | | | | | | | | | | | | | | |
| **mm** | in. | | | | **kN** lbs | **kN** lbs | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **kg** lbs |
| | ¾ | UKT205 | UK205 | HE2305 | 3147 | 1765 | 3 ½ | 2 53/64 | 13/32 | 2 7/16 | 15/16 | 1 ¼ | ¾ | 3 13/16 | 2 | 0.781 | 1.378 | 2 | 5/8 | 1 ¼ | 15/32 | 1.9 |
| **20** | | | | H2305 | **14.0** | **7.9** | **89** | **76** | **10** | **62** | **24** | **32** | **19** | **97** | **51** | **20.0** | **35** | **51** | **16** | **32** | **12** | **0.9** |
| **25** | | UKT206 | UK206 | H2306 | **19.5** | **11.3** | **102** | **89** | **10** | **70** | **28** | **37** | **22** | **113** | **56** | **21.5** | **38** | **57** | **16** | **37** | **12** | **1.3** |
| | 1 | | | HE2306 | 4384 | 2540 | 4 1/32 | 3 ½ | 13/32 | 2 ¾ | 1 3/32 | 1 15/32 | ⅞ | 4 7/16 | 2 7/32 | 0.844 | 1.496 | 2 ¼ | 5/8 | 1 15/32 | 15/32 | 2.9 |
| | 1 ⅛ | UKT207 | UK207 | HS2307 | 5778 | 3462 | 4 1/32 | 3 ½ | ½ | 3 1/16 | 1 3/16 | 1 15/32 | ⅞ | 5 3/32 | 2 17/32 | 0.938 | 1.693 | 2 17/32 | 5/8 | 1 15/32 | 15/32 | 3.7 |
| **30** | | | | H2307 | **25.7** | **15.4** | **102** | **89** | **13** | **78** | **30** | **37** | **22** | **129** | **64** | **24.0** | **43** | **64** | **16** | **37** | **12** | **1.7** |
| | 1 ¼ | UKT208 | UK208 | HE2308 | 6542 | 4002 | 4 ½ | 4 1/64 | 5/8 | 3 15/32 | 1 5/16 | 1 15/16 | 1 5/32 | 5 21/32 | 3 9/32 | 1.063 | 1.811 | 3 9/32 | ¾ | 1 15/16 | 5/8 | 5.5 |
| **35** | | | | H2308 | **29.1** | **17.8** | **114** | **102** | **16** | **88** | **33** | **49** | **29** | **144** | **83** | **27.0** | **46** | **83** | **19** | **49** | **16** | **2.5** |
| | 1 ½ | UKT209 | UK209 | HE2309 | 7666 | 4788 | 4 19/32 | 4 1/64 | 5/8 | 3 7/16 | 1 3/8 | 1 15/16 | 1 5/32 | 5 21/32 | 3 9/32 | 1.156 | 1.969 | 3 9/32 | ¾ | 1 15/16 | 5/8 | 5.5 |
| **40** | | | | H2309 | **34.1** | **21.3** | **117** | **102** | **16** | **87** | **35** | **49** | **29** | **144** | **83** | **29.0** | **50** | **83** | **19** | **49** | **16** | **2.5** |
| | 1 ¾ | UKT210 | UK210 | HE2310 | 7891 | 5238 | 4 19/32 | 4 1/64 | 5/8 | 3 17/32 | 1 15/32 | 1 15/16 | 1 5/32 | 5 7/8 | 3 9/32 | 1.188 | 2.165 | 3 3/8 | ¾ | 1 15/16 | 5/8 | 6.0 |
| **45** | | | | H2310 | **35.1** | **23.3** | **117** | **102** | **16** | **90** | **37** | **49** | **29** | **149** | **83** | **30.0** | **55** | **86** | **19** | **49** | **16** | **2.7** |
| **50** | | UKT211 | UK211 | H2311 | **43.4** | **29.4** | **146** | **130** | **16** | **106** | **38** | **64** | **35** | **171** | **102** | **32.0** | **59** | **95** | **25** | **64** | **22** | **4.1** |
| | 2 | | | HE2311 | 9757 | 6609 | 5 ¾ | 5 ⅛ | 5/8 | 4 3/16 | 1 ½ | 2 17/32 | 1 ⅜ | 6 23/32 | 4 ½ | 1.250 | 2.323 | 3 ¾ | 31/32 | 2 17/32 | 55/64 | 9.0 |

[1] For bore sizes up to and including 210, a ¼-28 tapered thread fitting is used. For bore sizes greater than 211, a ⅛ BSPT fitting is used.
[2] Note: Adapter sleeve of the desired size should be ordered separately.

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| Shaft Dia. d | | Take-Up Unit Designation | Bearing Designation | Adapter[2] Designation | Basic Load Ratings | | Dimensions | | | | | | | | | | | | | | | Wt. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Dynamic | Static | H | $H_1$ | $L_2$ | $L_1$ | $A_2$ | A | N | L | $H_2$ | Y | $B_1$ | $L_3$ | $N_1$ | $N_2$ | $A_1$ | |
| | | | | | $C_r$ | $C_{0r}$ | | | | | | | | | | | | | | | | |
| **mm** | in. | | | | **kN** lbs | **kN** lbs | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **kg** lbs |
| | 2 1/8 | UKT212 | UK212 | HS2312 | 11780 | 8138 | 5 3/4 | 5 1/8 | 3/4 | 4 11/16 | 1 21/32 | 2 17/32 | 1 3/8 | 7 5/8 | 4 1/32 | 1.438 | 2.441 | 4 1/32 | 1 1/4 | 2 17/32 | 55/64 | 10.6 |
| **55** | | | | H2312 | **52.4** | **36.2** | **146** | **130** | **19** | **119** | **42** | **64** | **35** | **194** | **102** | **36.5** | **62** | **102** | **32** | **64** | **22** | **4.8** |
| | 2 1/4 | UKT213 | UK213 | HE2313 | 12859 | 9015 | 6 9/16 | 5 15/16 | 13/16 | 5 13/32 | 1 23/32 | 2 3/4 | 1 5/8 | 8 13/16 | 4 3/8 | 1.469 | 2.539 | 4 3/4 | 1 1/4 | 2 3/4 | 1 1/32 | 15.0 |
| **60** | | | | H2313 | **57.2** | **40.1** | **167** | **151** | **21** | **137** | **44** | **70** | **41** | **224** | **111** | **37.5** | **65** | **121** | **32** | **70** | **26** | **6.8** |
| | 2 1/2 | UKT215 | UK215 | HE2315 | 15152 | 10858 | 6 9/16 | 5 15/16 | 13/16 | 5 1/2 | 1 7/8 | 2 3/4 | 1 5/8 | 9 1/8 | 4 3/8 | 1.594 | 2.874 | 4 3/4 | 1 1/4 | 2 3/4 | 1 1/32 | 16.3 |
| **65** | | | | H2315 | **67.4** | **48.3** | **167** | **151** | **21** | **140** | **48** | **70** | **41** | **232** | **111** | **40.5** | **73** | **121** | **32** | **70** | **26** | **7.4** |
| | 2 3/4 | UKT216 | UK216 | HE2316 | 16344 | 11915 | 7 1/4 | 6 1/2 | 13/16 | 5 1/2 | 2 | 2 3/4 | 1 5/8 | 9 1/4 | 4 3/8 | 1.750 | 3.071 | 4 3/4 | 1 1/4 | 2 3/4 | 1 1/32 | 18.7 |
| **70** | | | | H2316 | **72.7** | **53.0** | **184** | **165** | **21** | **140** | **51** | **70** | **41** | **235** | **111** | **44.5** | **78** | **121** | **32** | **70** | **26** | **8.5** |
| **75** | | UKT217 | UK217 | H2317 | **84.0** | **61.9** | **198** | **173** | **29** | **162** | **54** | **73** | **48** | **260** | **124** | **46.5** | **82** | **157** | **38** | **73** | **30** | **11.2** |
| | 3 | | | HE2317 | 18884 | 13916 | 7 25/32 | 6 13/16 | 1 5/32 | 6 3/8 | 2 1/8 | 2 7/8 | 1 7/8 | 10 1/4 | 4 7/8 | 1.828 | 3.228 | 6 3/16 | 1 1/2 | 2 7/8 | 1 3/16 | 24.7 |

[2] Note: Adapter sleeve of the desired size should be ordered separately.

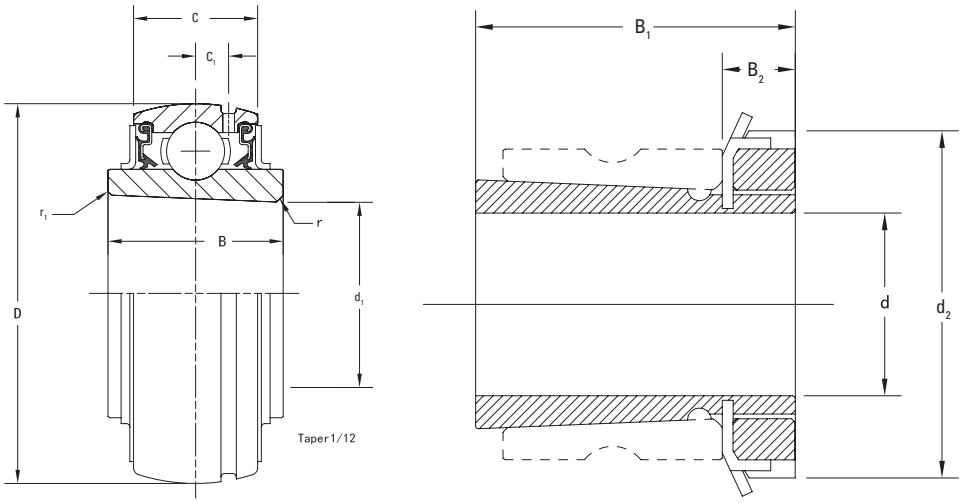
# *UK 200 INDUSTRIAL TAPERED BORE FOR USE WITH ADAPTER SLEEVE LOCKING SERIES* WIDE INNER RING BALL BEARINGS

- The UK tapered bore wide inner ring ball bearing uses an adapter sleeve locking mechanism and is suggested for industrial applications where normal loads are encountered(1).
- The adapter locking feature is used in applications where the bearings are exposed to excessive vibration and impact.
- Adapter locking results in high concentricity.
- Adapter locking prevents fretting corrosion under adverse conditions.
- Bearing prelubricated and ready for immediate installation.
- The wide inner ring provides effective shaft support for a broad range of industrial applications.
- The positive contact of the land-riding bonded nitrile seal helps protect against harmful contaminants and retains lubricant under severe operating conditions.
- An external steel flinger provides additional protection from contamination.
- The UK series features superfinished raceways, grade-10 balls for smooth running and low noise operation.
- UK series wide inner ring ball bearings have spherical outside diameters for use in housings with corresponding spherical inside surfaces to compensate for shaft misalignment.

| Shaft Dia. d | | Bearing Designation | Adapter(2) Designation | Basic Load Ratings | | Dimensions | | | | | | | | Min. Fillet Radius | | Wt. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Dynamic | Static | D | C | B | $C_1$ | $d_1$ | $d_2$ | $B_1$ | $B_2$ | r (min.) | $r_1$ (min) | |
| | | | | $C_r$ | $C_{0r}$ | | | | | | | | | | | |
| **mm** | in. | | | **kN** lbs. | **kN** lbs. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **kg** lbs. |
| | ¾ | UK205 | HE2305 | 3147 | 1765 | 2.047 | 0.669 | 0.945 | 0.177 | 0.984 | 1.496 | 1.378 | 0.315 | 0.043 | 0.024 | 0.4 |
| **20** | | | H2305 | **14.0** | **7.9** | **52** | **17** | **24** | **4.5** | **25** | **38** | **35** | **8** | **1.1** | **0.6** | **0.2** |
| **25** | | UK206 | H2306 | **19.5** | **11.3** | **62** | **19** | **27** | **5.0** | **30** | **45** | **38** | **8** | **1.1** | **0.6** | **0.3** |
| | 1 | | HE2306 | 4384 | 2540 | 2.441 | 0.748 | 1.063 | 0.197 | 1.181 | 1.772 | 1.496 | 0.315 | 0.043 | 0.024 | 0.6 |
| | 1 ⅛ | UK207 | HS2307 | 5778 | 3462 | 2.835 | 0.787 | 1.181 | 0.224 | 1.378 | 2.047 | 1.693 | 0.354 | 0.043 | 0.020 | 0.9 |
| **30** | | | H2307 | **25.7** | **15.4** | **72** | **20** | **30** | **5.7** | **35** | **52** | **43** | **9** | **1.1** | **0.5** | **0.4** |
| | 1 ¼ | UK208 | HE2308 | 6542 | 4002 | 3.150 | 0.827 | 1.339 | 0.236 | 1.575 | 2.283 | 1.811 | 0.394 | 0.060 | 0.020 | 1.3 |
| **35** | | | H2308 | **29.1** | **17.8** | **80** | **21** | **34** | **6.0** | **40** | **58** | **46** | **10** | **1.5** | **0.5** | **0.6** |
| | 1 ½ | UK209 | HE2309 | 7666 | 4788 | 3.346 | 0.866 | 1.417 | 0.236 | 1.772 | 2.559 | 1.969 | 0.433 | 0.060 | 0.020 | 1.4 |
| **40** | | | H2309 | **34.1** | **21.3** | **85** | **22** | **36** | **6.0** | **45** | **65** | **50** | **11** | **1.5** | **0.5** | **0.7** |
| | 1 ¾ | UK210 | HE2310 | 7891 | 5238 | 3.543 | 0.945 | 1.417 | 0.236 | 1.969 | 2.756 | 2.165 | 0.472 | 0.060 | 0.020 | 1.4 |
| **45** | | | H2310 | **35.1** | **23.3** | **90** | **24** | **36** | **6.0** | **50** | **70** | **55** | **12** | **1.5** | **0.5** | **0.7** |
| **50** | | UK211 | H2311 | **43.4** | **29.4** | **100** | **25** | **40** | **7.0** | **55** | **75** | **59** | **12.5** | **1.5** | **0.5** | **1.1** |
| | 2 | | HE2311 | 9757 | 6609 | 3.937 | 0.984 | 1.575 | 0.276 | 2.165 | 2.953 | 2.323 | 0.492 | 0.060 | 0.020 | 2.4 |

(1) Note: Adapter sleeve of the desired size should be ordered separately.

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| Shaft Dia. d | | Bearing Designation | Adapter[2] Designation | Basic Load Ratings | | Dimensions | | | | | | | | Min. Fillet Radius | | Wt. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Dynamic | Static | D | C | B | $C_1$ | $d_1$ | $d_2$ | $B_1$ | $B_2$ | r (min.) | $r_1$ (min) | |
| | | | | $C_r$ | $C_{0r}$ | | | | | | | | | | | |
| **mm** | in. | | | **kN** lbs. | **kN** lbs. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **kg** lbs. |
| | 2 ⅛ | UK212 | HS2312 | 11780 | 8138 | 4.331 | 1.063 | 1.850 | 0.295 | 2.362 | 3.150 | 2.441 | 0.512 | 0.075 | 0.020 | 3.1 |
| **55** | | | H2312 | **52.4** | **36.2** | **110** | **27** | **47** | **7.5** | **60** | **80** | **62** | **13** | **1.9** | **0.5** | **1.4** |
| | 2 ¼ | UK213 | HE2313 | 12859 | 9015 | 4.724 | 1.102 | 1.850 | 0.295 | 2.559 | 3.346 | 2.559 | 0.551 | 0.043 | 0.035 | 3.7 |
| **60** | | | H2313 | **57.2** | **40.1** | **120** | **28** | **47** | **7.5** | **65** | **85** | **65** | **14** | **1.1** | **0.9** | **1.7** |
| | 2 ½ | UK215 | HE2315 | 15152 | 10858 | 5.118 | 1.260 | 2.008 | 0.354 | 2.953 | 3.858 | 2.874 | 0.591 | 0.087 | 0.028 | 4.4 |
| **65** | | | H2315 | **67.4** | **48.3** | **130** | **32** | **51** | **9.0** | **75** | **98** | **73** | **15** | **2.2** | **0.7** | **2.0** |
| | 2 ¾ | UK216 | HE2316 | 16344 | 11915 | 5.512 | 1.299 | 2.165 | 0.354 | 3.150 | 4.134 | 3.071 | 0.669 | 0.087 | 0.024 | 5.6 |
| **70** | | | H2316 | **72.7** | **53.0** | **140** | **33** | **55** | **9.0** | **80** | **105** | **78** | **17** | **2.2** | **0.6** | **2.6** |
| **75** | | UK217 | H2317 | **84.0** | **61.9** | **150** | **35** | **57** | **10.0** | **85** | **110** | **82** | **18** | **2.2** | **0.5** | **3.1** |
| | 3 | | HE2317 | 18884 | 13916 | 5.906 | 1.378 | 2.244 | 0.394 | 3.346 | 4.331 | 3.228 | 0.709 | 0.087 | 0.020 | 6.8 |
| **80** | | UK218 | H2318 | **96.1** | **71.5** | **160** | **38** | **63** | **11.0** | **90** | **120** | **86** | **18** | **2.2** | **0.4** | **3.8** |
| | - | | | 21604 | 16074 | 6.299 | 1.496 | 2.480 | 0.433 | 3.543 | 4.724 | 3.386 | 0.709 | 0.087 | 0.016 | 8.3 |

[1] Note: Adapter sleeve of the desired size should be ordered separately.

# *UC 300 HEAVY-DUTY SET SCREW LOCKING SERIES*

The following topics are covered within this section:

UCP 300 Pillow Block Housed Units . . . . . .68
UCF 300 Four-Bolt Flanged Housed Units . . . . . .70
UCFL 300 Two-Bolt Flanged Housed Units. . . . . .72
UCT 300 Take-Up Housed Units. . . . . .74
UC 300 Wide Inner Ring Ball Bearings. . . . . .76



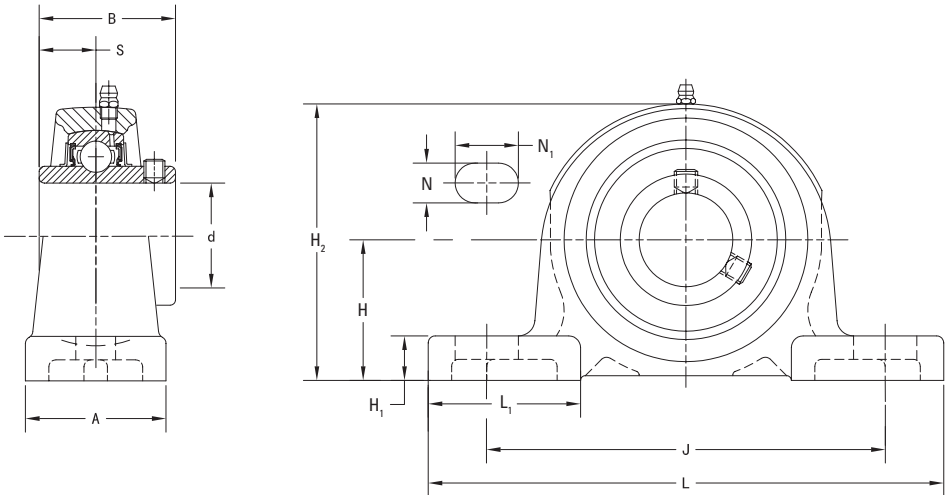
# *UCP 300 HEAVY-DUTY SET SCREW LOCKING SERIES*
# CAST-IRON PILLOW BLOCK HOUSED UNITS

- UCP pillow blocks are suggested for industrial applications where heavy loads are encountered.
- Compact, one-piece housing with two-bolt mounting can be installed in any position and makes bearing replacement easy.
- These units use wide inner ring ball bearings with self-aligning spherical outside diameters that compensate for shaft misalignment.
- Timken UCP series housed units feature the Timken set screw locking (UC) bearing insert.
- Bearing prelubricated and ready for immediate installation.
- Grease fitting supplied for relubrication[1].
- The bonded seal design is well-suited for applications involving wet or dirty environments.
- Bolt-hole spacing and base-to-center height dimensions are interchangeable with competitive units.
- Housing designed for ease of bearing replacement.

| Shaft Dia. d | | Pillow Block Designation | Bearing Designation | Basic Load Ratings | | Dimensions | | | | | | | | | | | Bolt Size | Wt. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Dynamic | Static | H | L | $L_1$ | A | $H_1$ | J | $H_2$ | S | B | N | $N_1$ | | |
| | | | | $C_r$ | $C_{0r}$ | | | | | | | | | | | | | |
| **mm** | in. | | | **kN** lbs | **kN** lbs | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **kg** lbs |
| **25** | | UCP305 | UC305 | **21.2** 4766 | **10.9** 2450 | **45** 1 49/64 | **175** 6 7/8 | **55** 2 5/32 | **45** 1 25/32 | **16** 5/8 | **132** 5 3/16 | **85** 3 11/32 | **15** 0.591 | **38** 1.496 | **17** 21/32 | **20** 25/32 | **M14** 1/2 | **1.7** **3.7** |
| | 1 | UCP305-16 | UC305-16 | | | | | | | | | | | | | | | |
| **30** | | UCP306 | UC306 | **26.7** 6002 | **15.0** 3372 | **50** 1 31/32 | **180** 7 3/32 | **53** 2 1/16 | **50** 1 31/32 | **17** 21/32 | **140** 5 1/2 | **95** 3 3/4 | **17** 0.669 | **43** 1.693 | **17** 21/32 | **20** 25/32 | **M14** 1/2 | **2.2** 4.9 |
| **35** | | UCP307 | UC307 | **33.4** 7509 | **19.3** 4339 | **56** 2 13/64 | **210** 8 9/32 | **65** 2 9/16 | **56** 2 7/32 | **19** 3/4 | **160** 6 5/16 | **107** 4 7/32 | **19** 0.748 | **48** 1.890 | **17** 21/32 | **25** 31/32 | **M14** 1/2 | **3.0** 6.6 |
| | 1 1/2 | UCP308-24 | UC308-24 | **40.7** 9150 | **24.0** 5395 | **60** 2 23/64 | **220** 8 21/32 | **65** 2 9/16 | **60** 2 3/8 | **19** 3/4 | **170** 6 11/16 | **118** 4 21/32 | **19** 0.748 | **52** 2.047 | **17** 21/32 | **27** 1 1/16 | **M14** 1/2 | **3.8** 8.4 |
| **40** | | UCP308 | UC308 | | | | | | | | | | | | | | | |
| | 1 3/4 | UCP309-28 | UC309-28 | **48.9** 10993 | **29.5** 6632 | **67** 2 41/64 | **245** 9 21/32 | **75** 2 15/16 | **67** 2 5/8 | **21** 13/16 | **190** 7 15/32 | **132** 5 3/16 | **22** 0.866 | **57** 2.244 | **20** 25/32 | **30** 1 3/16 | **M16** 5/8 | **4.9** 10.8 |
| **45** | | UCP309 | UC309 | | | | | | | | | | | | | | | |
| **50** | | UCP310 | UC310 | **62.0** 13938 | **38.3** 8610 | **75** 2 61/64 | **275** 10 13/16 | **88** 3 7/16 | **75** 2 15/16 | **24** 15/16 | **212** 8 11/32 | **148** 5 13/16 | **22** 0.866 | **61** 2.402 | **20** 25/32 | **35** 1 3/8 | **M16** 5/8 | **6.6** 14.5 |
| | 2 | UCP311-32 | UC311-32 | **71.6** 16096 | **45.0** 10116 | **80** 3 5/32 | **310** 12 7/32 | **90** 3 17/32 | **80** 3 5/32 | **27** 1 1/16 | **236** 9 9/32 | **158** 6 13/64 | **25** 0.984 | **66** 2.598 | **20** 25/32 | **38** 1 1/2 | **M16** 5/8 | **7.9** 17.4 |
| **55** | | UCP311 | UC311 | | | | | | | | | | | | | | | |
| | 2 3/16 | UCP311-35 | UC311-35 | | | | | | | | | | | | | | | |
| **60** | | UCP312 | UC312 | **81.9** 18412 | **52.2** 11735 | **85** 3 11/32 | **330** 13 | **103** 4 1/32 | **85** 3 11/32 | **29** 1 5/32 | **250** 9 27/32 | **167** 6 9/16 | **26** 1.024 | **71** 2.795 | **25** 31/32 | **38** 1 1/2 | **M20** 3/4 | **9.5** 20.9 |
| | 2 7/16 | UCP312-39 | UC312-39 | | | | | | | | | | | | | | | |
| | 2 1/2 | UCP313-40 | UC313-40 | **92.7** 20840 | **59.9** 13466 | **90** 3 35/64 | **340** 13 3/8 | **110** 4 11/32 | **90** 3 17/32 | **32** 1 1/4 | **260** 10 1/4 | **176** 6 15/16 | **30** 1.181 | **75** 2.953 | **25** 31/32 | **38** 1 1/2 | **M20** 3/4 | **10.7** 23.6 |
| **65** | | UCP313 | UC313 | | | | | | | | | | | | | | | |
| | 2 3/4 | UCP314-44 | UC314-44 | **104.0** 23380 | **68.2** 15332 | **95** 3 47/64 | **360** 14 3/16 | **110** 4 11/32 | **90** 3 17/32 | **35** 1 3/8 | **280** 11 1/32 | **186** 7 5/16 | **33** 1.299 | **78** 3.071 | **27** 1 1/16 | **40** 1 9/16 | **M22** 7/8 | **12.4** 27.3 |
| **70** | | UCP314 | UC314 | | | | | | | | | | | | | | | |

[1] For bore sizes up to and including 210, a ¼-28 tapered thread fitting is used. For bore sizes greater than 211, a ⅛ BSPT fitting is used.

*Continued on next page.*




*Continued from previous page.*

| Shaft Dia. d | | Pillow Block Designation | Bearing Designation | Basic Load Ratings | | Dimensions | | | | | | | | | | | Bolt Size | Wt. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Dynamic | Static | H | L | $L_1$ | A | $H_1$ | J | $H_2$ | S | B | N | $N_1$ | | |
| | | | | $C_r$ | $C_{0r}$ | | | | | | | | | | | | | |
| **mm** | in. | | | **kN** lbs | **kN** lbs | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **kg** lbs |
| | 2 15/16 | UCP315-47 | UC315-47 | | | | | | | | | | | | | | | |
| **75** | | UCP315 | UC315 | **113.0** 25403 | **77.2** 17355 | **100** 3 15/16 | **380** 14 31/32 | **107** 4 7/32 | **100** 3 15/16 | **35** 1 3/8 | **290** 11 13/32 | **198** 7 25/32 | **32** 1.260 | **82** 3.228 | **27** 1 1/16 | **40** 1 9/16 | **M22** 7/8 | **14.8** 32.6 |
| | 3 | UCP315-48 | UC315-48 | | | | | | | | | | | | | | | |
| **80** | | UCP316 | UC316 | **123.0** 27651 | **86.7** 19491 | **106** 4 11/16 | **400** 15 3/4 | **120** 4 23/32 | **110** 4 11/32 | **35** 1 3/8 | **300** 11 13/16 | **209** 8 7/32 | **34** 1.339 | **86** 3.386 | **27** 1 1/16 | **40** 1 9/16 | **M22** 7/8 | **18.5** 40.8 |
| **85** | | UCP317 | UC317 | **133.0** 29900 | **96.8** 21762 | **112** 4 13/32 | **420** 16 17/32 | **120** 4 23/32 | **110** 4 11/32 | **40** 1 9/16 | **320** 12 19/32 | **220** 8 21/32 | **40** 1.575 | **96** 3.780 | **33** 1 5/16 | **45** 1 25/32 | **M27** 1 | **20.3** 44.7 |
| | 3 1/2 | UCP318-56 | UC318-56 | **143.0** 32148 | **107.0** 24055 | **118** 4 41/64 | **430** 16 15/16 | **120** 4 23/32 | **110** 4 11/32 | **40** 1 9/16 | **330** 13 | **234** 9 7/32 | **40** 1.575 | **96** 3.780 | **33** 1 5/16 | **45** 1 25/32 | **M27** 1 | **22.8** 50.2 |
| **90** | | UCP318 | UC318 | | | | | | | | | | | | | | | |
| **95** | | UCP319 | UC319 | **153.0** 34396 | **119.0** 26752 | **125** 4 59/64 | **470** 18 1/2 | **125** 4 29/32 | **120** 4 23/32 | **46** 1 13/16 | **360** 14 3/16 | **248** 9 3/4 | **41** 1.614 | **103** 4.055 | **36** 1 13/32 | **50** 1 31/32 | **M30** 1 1/8 | **29.0** 63.9 |
| **100** | | UCP320 | UC320 | | | | | | | | | | | | | | | |
| | 3 15/16 | UCP320-63 | UC320-63 | **173.0** 38892 | **141.0** 31698 | **140** 5 33/64 | **490** 19 9/32 | **140** 5 1/2 | **120** 4 23/32 | **46** 1 13/16 | **380** 14 31/32 | **273** 10 3/4 | **42** 1.654 | **108** 4.252 | **36** 1 13/32 | **50** 1 31/32 | **M30** 1 1/8 | **35.1** 77.3 |
| | 4 | UCP320-64 | UC320-64 | | | | | | | | | | | | | | | |
| **105** | | UCP321 | UC321 | **184.0** 41365 | **153.0** 34396 | **140** 5 33/64 | **490** 19 9/32 | **140** 5 1/2 | **120** 4 23/32 | **46** 1 13/16 | **380** 14 31/32 | **278** 10 15/16 | **44** 1.732 | **112** 4.409 | **36** 1 13/32 | **50** 1 31/32 | **M30** 1 1/8 | **37.6** 82.8 |
| **110** | | UCP322 | UC322 | **205.0** 46086 | **180.0** 40466 | **150** 5 29/32 | **520** 20 15/32 | **150** 5 29/32 | **140** 5 1/2 | **50** 1 31/32 | **400** 15 3/4 | **296** 11 21/32 | **46** 1.811 | **117** 4.606 | **40** 1 9/16 | **55** 2 5/32 | **M33** 1 1/4 | **44.0** 97 |
| **120** | | UCP324 | UC324 | **207.0** 46535 | **185.0** 41590 | **160** 6 19/64 | **570** 22 7/16 | **160** 6 5/16 | **140** 5 1/2 | **50** 1 31/32 | **450** 17 23/32 | **316** 12 7/16 | **51** 2.008 | **126** 4.961 | **40** 1 9/16 | **55** 2 5/32 | **M33** 1 1/4 | **55.4** 122.1 |
| **130** | | UCP326 | UC326 | **229.0** 51481 | **214.0** 48109 | **180** 7 3/32 | **600** 23 5/8 | **195** 7 11/16 | **140** 5 1/2 | **50** 1 31/32 | **480** 18 29/32 | **355** 13 21/32 | **54** 2.126 | **135** 5.315 | **40** 1 9/16 | **55** 2 5/32 | **M33** 1 1/4 | **72.1** 158.9 |
| **140** | | UCP328 | UC328 | **253.0** 56877 | **246.0** 55303 | **200** 7 7/8 | **620** 24 13/32 | **185** 7 9/32 | **140** 5 1/2 | **60** 2 3/8 | **500** 19 11/16 | **393** 15 15/32 | **59** 2.323 | **145** 5.709 | **40** 1 9/16 | **55** 2 5/32 | **M33** 1 1/4 | **92.5** 203.9 |

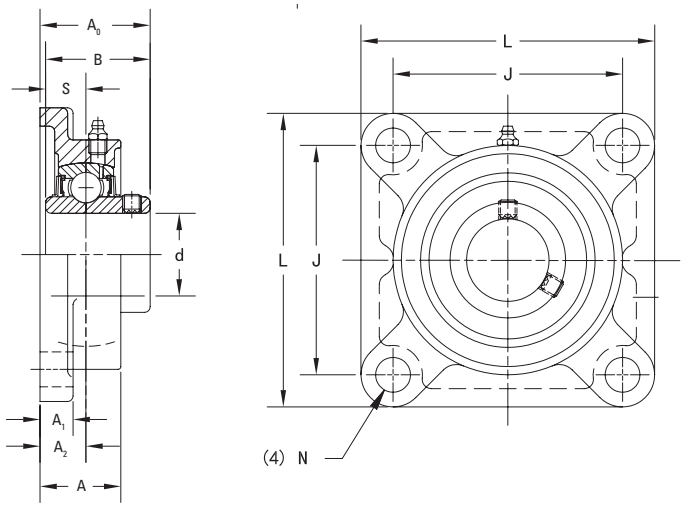
# *UCF 300 HEAVY-DUTY SET SCREW LOCKING SERIES*
# CAST-IRON FOUR-BOLT FLANGED HOUSED UNITS

- UCF four-bolt flanged units are suggested for industrial applications where heavy loads are encountered.
- Each unit comes assembled and ready for mounting, using bolts through the flange.
- These units use wide inner ring ball bearings with self-aligning spherical outside diameters that compensate for shaft misalignment.
- Timken UCF series housed units feature the Timken set screw locking (UC) bearing insert.
- Bearing prelubricated and ready for immediate installation.
- Grease fitting supplied for relubrication[1].
- The bonded seal design is well-suited for applications involving wet or dirty environments.
- Bolt-hole spacing dimensions and shaft center location are interchangeable with competitive units.
- Housing designed for ease of bearing replacement.

| Shaft Dia. d | | Four-Bolt Flange Designation | Bearing Designation | Basic Load Ratings | | Dimensions | | | | | | | | | Bolt Size | Wt. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Dynamic | Static | L | J | $A_1$ | A | $A_0$ | S | B | $A_2$ | N | | |
| | | | | $C_r$ | $C_{0r}$ | | | | | | | | | | | |
| **mm** | in. | | | **kN** lbs | **kN** lbs | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **kg** lbs |
| **25** | | UCF305 | UC305 | **21.2** 4766 | **10.9** 2450 | **110** 4 11/32 | **80** 3 5/32 | **13** 1/2 | **29** 1 5/32 | **39** 1 17/32 | **15** 0.591 | **38** 1.496 | **16** 5/8 | **16** 5/8 | **M14** 1/2 | **1.3** 2.8 |
| | 1 | UCF305-16 | UC305-16 | | | | | | | | | | | | | |
| **30** | | UCF306 | UC306 | **26.7** 6002 | **15.0** 3372 | **125** 4 29/32 | **95** 3 47/64 | **15** 19/32 | **32** 1 1/4 | **44** 1 47/64 | **17** 0.669 | **43** 1.693 | **18** 45/64 | **16** 5/8 | **M14** 1/2 | **1.9** 4.2 |
| **35** | | UCF307 | UC307 | **33.4** 7509 | **19.3** 4339 | **135** 5 5/16 | **100** 3 15/16 | **16** 5/8 | **36** 1 13/32 | **49** 1 59/64 | **19** 0.748 | **48** 1.890 | **20** 25/32 | **19** 3/4 | **M16** 5/8 | **2.3** 5 |
| | 1 1/2 | UCF308-24 | UC308-24 | **40.7** 9150 | **24.0** 5395 | **150** 5 29/32 | **112** 4 13/32 | **17** 21/32 | **40** 1 9/16 | **56** 2 13/64 | **19** 0.748 | **52** 2.047 | **23** 29/32 | **19** 3/4 | **M16** 5/8 | **3.1** 6.8 |
| **40** | | UCF308 | UC308 | | | | | | | | | | | | | |
| | 1 3/4 | UCF309-28 | UC309-28 | **48.9** 10993 | **29.5** 6632 | **160** 6 5/16 | **125** 4 59/64 | **18** 23/32 | **44** 1 23/32 | **60** 2 23/64 | **22** 0.866 | **57** 2.244 | **25** 63/64 | **19** 3/4 | **M16** 5/8 | **4.0** 8.8 |
| **45** | | UCF309 | UC309 | | | | | | | | | | | | | |
| **50** | | UCF310 | UC310 | **62.0** 13938 | **38.3** 8610 | **175** 6 7/8 | **132** 5 13/64 | **19** 3/4 | **48** 1 7/8 | **67** 2 41/64 | **22** 0.866 | **61** 2.402 | **28** 1 7/64 | **23** 29/32 | **M20** 3/4 | **5.1** 11.2 |
| | 2 | UCF311-32 | UC311-32 | **71.6** 16096 | **45.0** 10116 | **185** 7 9/32 | **140** 5 33/64 | **20** 25/32 | **52** 2 1/16 | **71** 2 51/64 | **25** 0.984 | **66** 2.598 | **30** 1 3/16 | **23** 29/32 | **M20** 3/4 | **5.6** 12.3 |
| **55** | | UCF311 | UC311 | | | | | | | | | | | | | |
| | 2 3/16 | UCF311-35 | UC311-35 | | | | | | | | | | | | | |
| **60** | | UCF312 | UC312 | **81.9** 18412 | **52.2** 11735 | **195** 7 11/16 | **150** 5 29/32 | **22** 7/8 | **56** 2 7/32 | **78** 3 5/64 | **26** 1.024 | **71** 2.795 | **33** 1 19/64 | **23** 29/32 | **M20** 3/4 | **6.9** 15.2 |
| | 2 7/16 | UCF312-39 | UC312-39 | | | | | | | | | | | | | |
| | 2 1/2 | UCF313-40 | UC313-40 | **92.7** 20840 | **59.9** 13466 | **208** 8 3/16 | **166** 6 17/32 | **22** 7/8 | **58** 2 9/32 | **78** 3 5/64 | **30** 1.181 | **75** 2.953 | **33** 1 19/64 | **23** 29/32 | **M20** 3/4 | **7.8** 17.2 |
| **65** | | UCF313 | UC313 | | | | | | | | | | | | | |
| | 2 3/4 | UCF314-44 | UC314-44 | **104.0** 23380 | **68.2** 15332 | **226** 8 29/32 | **178** 7 1/64 | **25** 31/32 | **61** 2 13/32 | **81** 3 3/16 | **33** 1.299 | **78** 3.071 | **36** 1 27/64 | **25** 63/64 | **M22** 7/8 | **10.1** 22.3 |
| **70** | | UCF314 | UC314 | | | | | | | | | | | | | |

[1] For bore sizes up to and including 210, a 1/4-28 tapered thread fitting is used. For bore sizes greater than 211, a 1/8 BSPT fitting is used.

*Continued on next page.*




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| Shaft Dia. d | | Four-Bolt Flange Designation | Bearing Designation | Basic Load Ratings | | Dimensions | | | | | | | | | Bolt Size | Wt. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Dynamic | Static | L | J | $A_1$ | A | $A_0$ | S | B | $A_2$ | N | | |
| | | | | $C_r$ | $C_{0r}$ | | | | | | | | | | | |
| **mm** | in. | | | **kN** lbs | **kN** lbs | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **kg** lbs |
| | 2 15/16 | UCF315-47 | UC315-47 | | | | | | | | | | | | | |
| **75** | | UCF315 | UC315 | **113.0** 25403 | **77.2** 17355 | **236** 9 9/32 | **184** 7 1/4 | **25** 31/32 | **66** 2 19/32 | **89** 3 1/2 | **32** 1.260 | **82** 3.228 | **39** 1 17/32 | **25** 63/64 | **M22** 7/8 | **11.6** 25.6 |
| | 3 | UCF315-48 | UC315-48 | | | | | | | | | | | | | |
| **80** | | UCF316 | UC316 | **123.0** 27651 | **86.7** 19491 | **250** 9 27/32 | **196** 7 23/32 | **27** 1 1/16 | **68** 2 11/16 | **90** 3 35/64 | **34** 1.339 | **86** 3.386 | **38** 1 1/2 | **31** 1 7/32 | **M27** 1 | **12.8** 28.2 |
| **85** | | UCF317 | UC317 | **133.0** 29900 | **96.8** 21762 | **260** 10 1/4 | **204** 8 1/32 | **27** 1 1/16 | **74** 2 29/32 | **100** 3 15/16 | **40** 1.575 | **96** 3.780 | **44** 1 47/64 | **31** 1 7/32 | **M27** 1 | **15.3** 33.7 |
| | 3 1/2 | UCF318-56 | UC318-56 | **143.0** 32148 | **107.0** 24055 | **280** 11 1/32 | **216** 8 1/2 | **30** 1 3/16 | **76** 3 | **100** 3 15/16 | **40** 1.575 | **96** 3.780 | **44** 1 47/64 | **35** 1 3/8 | **M30** 1 1/8 | **18.9** 41.7 |
| **90** | | UCF318 | UC318 | | | | | | | | | | | | | |
| **95** | | UCF319 | UC319 | **153.0** 34396 | **119.0** 26752 | **290** 11 13/32 | **228** 8 31/32 | **30** 1 3/16 | **94** 3 11/16 | **121** 4 49/64 | **41** 1.614 | **103** 4.055 | **59** 2 21/64 | **35** 1 3/8 | **M30** 1 1/8 | **21.6** 47.6 |
| **100** | | UCF320 | UC320 | | | | | | | | | | | | | |
| | 3 15/16 | UCF320-63 | UC320-63 | **173.0** 38892 | **141.0** 36198 | **310** 12 7/32 | **242** 9 17/32 | **32** 1 1/4 | **94** 3 11/16 | **125** 4 59/64 | **42** 1.654 | **108** 4.252 | **59** 2 21/64 | **38** 1 1/2 | **M33** 1 1/4 | **25.8** 56.8 |
| | 4 | UCF320-64 | UC320-64 | | | | | | | | | | | | | |
| **105** | | UCF321 | UC321 | **184.0** 41365 | **153.0** 34396 | **310** 12 7/32 | **242** 9 17/32 | **32** 1 1/4 | **94** 3 11/16 | **127** 5 | **44** 1.732 | **112** 4.409 | **59** 2 21/64 | **38** 1 1/2 | **M33** 1 1/4 | **30.2** 66.5 |
| **110** | | UCF322 | UC322 | **205.0** 46086 | **180.0** 40466 | **340** 13 3/8 | **266** 10 15/32 | **35** 1 3/8 | **96** 3 25/32 | **131** 5 5/32 | **46** 1.811 | **117** 4.606 | **60** 2 23/64 | **41** 1 39/64 | **M36** 1 3/8 | **35.3** 77.8 |
| **120** | | UCF324 | UC324 | **207.0** 46535 | **185.0** 41590 | **370** 14 9/16 | **290** 11 27/64 | **40** 1 9/16 | **110** 4 11/32 | **140** 5 1/2 | **51** 2.008 | **126** 4.961 | **65** 2 9/16 | **41** 1 39/64 | **M36** 1 3/8 | **47.3** 104.2 |
| **130** | | UCF326 | UC326 | **229.0** 51481 | **214.0** 48109 | **410** 16 5/32 | **320** 12 19/32 | **45** 1 25/32 | **115** 4 17/32 | **146** 5 3/4 | **54** 2.126 | **135** 5.315 | **65** 2 9/16 | **41** 1 39/64 | **M36** 1 3/8 | **65.5** 144.4 |
| **140** | | UCF328 | UC328 | **253.0** 56877 | **246.0** 55303 | **450** 17 23/32 | **350** 13 25/32 | **55** 2 5/32 | **125** 4 29/32 | **161** 6 11/32 | **59** 2.323 | **145** 5.709 | **75** 2 61/64 | **41** 1 39/64 | **M36** 1 3/8 | **80.4** 177.2 |

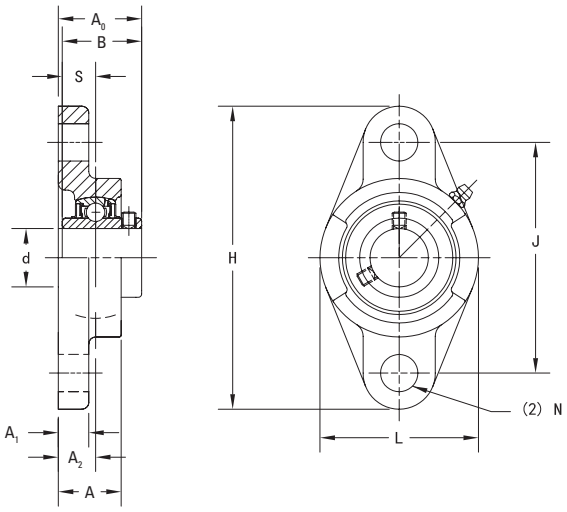
# *UCFL 300 HEAVY-DUTY SET SCREW LOCKING SERIES*
# CAST-IRON TWO-BOLT FLANGED HOUSED UNITS

- UCFL two-bolt flanged units are suggested for industrial applications where heavy loads are encountered.
- This series is primarily designed for applications where the mounting area is restricted.
- Each unit comes assembled and ready for mounting, using bolts through the flange.
- These units use wide inner ring ball bearings with self-aligning spherical outside diameters that compensate for shaft misalignment.
- Timken UCFL series housed units feature the Timken set screw locking (UC) bearing insert.
- Bearing prelubricated and ready for immediate installation.
- Grease fitting supplied for relubrication[1].
- The bonded seal design is well-suited for applications involving wet or dirty environments.
- Bolt-hole spacing dimensions and shaft center location are interchangeable with competitive units.
- Housing designed for ease of bearing replacement.

| Shaft Dia. d | | Two-Bolt Flange Designation | Bearing Designation | Basic Load Ratings | | Dimensions | | | | | | | | | | Bolt Size | Wt. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Dynamic | Static | H | J | $A_1$ | A | $A_0$ | L | $A_2$ | S | B | N | | |
| | | | | $C_r$ | $C_{0r}$ | | | | | | | | | | | | |
| **mm** | in. | | | **kN** lbs | **kN** lbs | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **kg** lbs |
| **25** | | UCFL305 | UC305 | **21.2** 4766 | **10.9** 2450 | **150** 5 29/32 | **113** 4 7/16 | **13** 1/2 | **29** 1 5/32 | **39** 1 17/32 | **80** 3 5/32 | **16** 5/8 | **15** 0.591 | **38** 1.496 | **19** 3/4 | **M16** 5/8 | **1.1** 2.4 |
| | 1 | UCFL305-16 | UC305-16 | | | | | | | | | | | | | | |
| **30** | | UCFL306 | UC306 | **26.7** 6002 | **15.0** 3372 | **180** 7 3/32 | **134** 5 9/32 | **15** 19/32 | **32** 1 1/4 | **44** 1 47/64 | **90** 3 17/32 | **18** 45/64 | **17** 0.669 | **43** 1.693 | **23** 29/32 | **M20** 3/4 | **1.5** 3.3 |
| **35** | | UCFL307 | UC307 | **33.4** 7509 | **19.3** 4339 | **185** 7 9/32 | **141** 5 35/64 | **16** 5/8 | **36** 1 13/32 | **49** 1 59/64 | **100** 3 15/16 | **20** 25/32 | **19** 0.748 | **48** 1.890 | **23** 29/32 | **M20** 3/4 | **1.8** 4.0 |
| | 1 1/2 | UCFL308-24 | UC308-24 | **40.7** 9150 | **24.0** 5395 | **200** 7 7/8 | **158** 6 7/32 | **17** 21/32 | **40** 1 9/16 | **56** 2 13/64 | **112** 4 13/32 | **23** 29/32 | **19** 0.748 | **52** 2.047 | **23** 29/32 | **M20** 3/4 | **2.5** 5.5 |
| **40** | | UCFL308 | UC308 | | | | | | | | | | | | | | |
| | 1 3/4 | UCFL309-28 | UC309-28 | **48.9** 10993 | **29.5** 6632 | **230** 9 1/16 | **177** 6 31/32 | **18** 23/32 | **44** 1 23/32 | **60** 2 23/64 | **125** 4 29/32 | **25** 63/64 | **22** 0.866 | **57** 2.244 | **25** 63/64 | **M22** 7/8 | **3.5** 7.7 |
| **45** | | UCFL309 | UC309 | | | | | | | | | | | | | | |
| **50** | | UCFL310 | UC310 | **62.0** 13938 | **38.3** 8610 | **240** 9 7/16 | **187** 7 23/64 | **19** 3/4 | **48** 1 7/8 | **67** 2 41/64 | **140** 5 1/2 | **28** 1 7/64 | **22** 0.866 | **61** 2.402 | **25** 63/64 | **M22** 7/8 | **4.4** 9.7 |
| | 2 | UCFL311-32 | UC311-32 | **71.6** 16096 | **45.0** 10116 | **250** 9 27/32 | **198** 7 51/64 | **20** 25/32 | **52** 2 1/16 | **71** 2 51/64 | **150** 5 29/32 | **30** 1 3/16 | **25** 0.984 | **66** 2.598 | **25** 63/64 | **M22** 7/8 | **5.3** 11.7 |
| **55** | | UCFL311 | UC311 | | | | | | | | | | | | | | |
| | 2 3/16 | UCFL311-35 | UC311-35 | | | | | | | | | | | | | | |
| **60** | | UCFL312 | UC312 | **81.9** 18412 | **52.2** 11735 | **270** 10 5/8 | **212** 8 11/32 | **22** 7/8 | **56** 2 7/32 | **78** 3 5/64 | **160** 6 5/16 | **33** 1 19/64 | **26** 1.024 | **71** 2.795 | **31** 1 7/32 | **M27** 1 | **6.5** 14.3 |
| | 2 7/16 | UCFL312-39 | UC312-39 | | | | | | | | | | | | | | |
| | 2 1/2 | UCFL313-40 | UC313-40 | **92.7** 20840 | **59.9** 13466 | **295** 11 5/8 | **240** 9 29/64 | **25** 31/32 | **58** 2 9/32 | **78** 3 5/64 | **175** 6 7/8 | **33** 1 19/64 | **30** 1.181 | **75** 2.953 | **31** 1 7/32 | **M27** 1 | **8.5** 18.7 |
| **65** | | UCFL313 | UC313 | | | | | | | | | | | | | | |
| | 2 3/4 | UCFL314-44 | UC314-44 | **104.0** 23380 | **68.2** 15332 | **315** 12 13/32 | **250** 9 27/32 | **28** 1 3/32 | **61** 2 13/32 | **81** 3 3/16 | **185** 7 9/32 | **36** 1 27/64 | **33** 1.299 | **78** 3.071 | **35** 1 3/8 | **M30** 1 1/8 | **9.7** 21.4 |
| **70** | | UCFL314 | UC314 | | | | | | | | | | | | | | |

[1] For bore sizes up to and including 210, a 1/4-28 tapered thread fitting is used. For bore sizes greater than 211, a 1/8 BSPT fitting is used.

*Continued on next page.*




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| Shaft Dia. d | | Two-Bolt Flange Designation | Bearing Designation | Basic Load Ratings | | Dimensions | | | | | | | | | | Bolt Size | Wt. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Dynamic | Static | H | J | $A_1$ | A | $A_0$ | L | $A_2$ | S | B | N | | |
| | | | | $C_r$ | $C_{0r}$ | | | | | | | | | | | | |
| **mm** | in. | | | **kN** lbs | **kN** lbs | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **kg** lbs |
| | 2 15/16 | UCFL315-47 | UC315-47 | | | | | | | | | | | | | | |
| **75** | | UCFL315 | UC315 | **113.0** 25403 | **77.2** 17355 | **320** 12 19/32 | **260** 10 15/64 | **30** 1 3/16 | **66** 2 19/32 | **89** 3 1/2 | **195** 7 11/16 | **39** 1 17/32 | **32** 1.260 | **82** 3.228 | **35** 1 3/8 | **M30** 1 1/8 | **11.3** 24.9 |
| | 3 | UCFL315-48 | UC315-48 | | | | | | | | | | | | | | |
| **80** | | UCFL316 | UC316 | **123.0** 27651 | **86.7** 19491 | **355** 13 31/32 | **285** 11 7/32 | **32** 1 1/4 | **68** 2 11/16 | **90** 3 35/64 | **210** 8 9/32 | **38** 1 1/2 | **34** 1.339 | **86** 3.386 | **38** 1 1/2 | **M33** 1 1/4 | **14.4** 31.7 |
| **85** | | UCFL317 | UC317 | **133.0** 29900 | **96.8** 21762 | **370** 14 9/16 | **300** 11 13/16 | **32** 1 1/4 | **74** 2 29/32 | **100** 3 15/16 | **220** 8 21/32 | **44** 1 47/64 | **40** 1.575 | **96** 3.780 | **38** 1 1/2 | **M33** 1 1/4 | **16.0** 35.3 |
| | 3 1/2 | UCFL318-56 | UC318-56 | **143.0** 32148 | **107.0** 24055 | **385** 15 5/32 | **315** 12 13/32 | **36** 1 13/32 | **76** 3 | **100** 3 15/16 | **235** 9 1/4 | **44** 1 47/64 | **40** 1.575 | **96** 3.780 | **38** 1 1/2 | **M33** 1 1/4 | **19.0** 41.9 |
| **90** | | UCFL318 | UC318 | | | | | | | | | | | | | | |
| **95** | | UCFL319 | UC319 | **153.0** 34396 | **119.0** 26752 | **405** 15 15/16 | **330** 12 63/64 | **40** 1 9/16 | **94** 3 11/16 | **121** 4 49/64 | **250** 9 27/32 | **59** 2 21/64 | **41** 1.614 | **103** 4.055 | **41** 1 39/64 | **M36** 1 3/8 | **24.6** 54.2 |
| **100** | | UCFL320 | UC320 | | | | | | | | | | | | | | |
| | 3 15/16 | UCFL320-63 | UC320-63 | **173.0** 38892 | **141.0** 31698 | **440** 17 5/16 | **360** 14 11/16 | **40** 1 9/16 | **94** 3 11/16 | **125** 4 59/64 | **270** 10 5/8 | **59** 2 21/64 | **42** 1.654 | **108** 4.252 | **44** 1 47/64 | **M39** 1 1/2 | **29.4** 64.8 |
| | 4 | UCFL320-64 | UC320-64 | | | | | | | | | | | | | | |
| **110** | | UCFL322 | UC322 | **205.0** 46086 | **180.0** 40466 | **470** 18 1/2 | **390** 15 23/64 | **42** 1 21/32 | **96** 3 25/32 | **131** 5 5/32 | **300** 11 13/16 | **60** 2 23/64 | **46** 1.811 | **117** 4.606 | **44** 1 47/64 | **M39** 1 1/2 | **36.2** 79.8 |
| **120** | | UCFL324 | UC324 | **207.0** 46535 | **185.0** 41590 | **520** 20 15/32 | **430** 16 59/64 | **48** 1 7/8 | **110** 4 11/32 | **140** 5 1/2 | **330** 13 | **65** 2 9/16 | **51** 2.008 | **126** 4.961 | **47** 1 27/32 | **M42** 1 5/8 | **51.6** 113.8 |
| **130** | | UCFL326 | UC326 | **229.0** 51481 | **214.0** 48109 | **550** 21 21/32 | **460** 18 7/64 | **50** 1 31/32 | **115** 4 17/32 | **146** 5 3/4 | **360** 14 3/16 | **65** 2 9/16 | **54** 2.126 | **135** 5.315 | **47** 1 27/32 | **M42** 1 5/8 | **61.6** 135.8 |

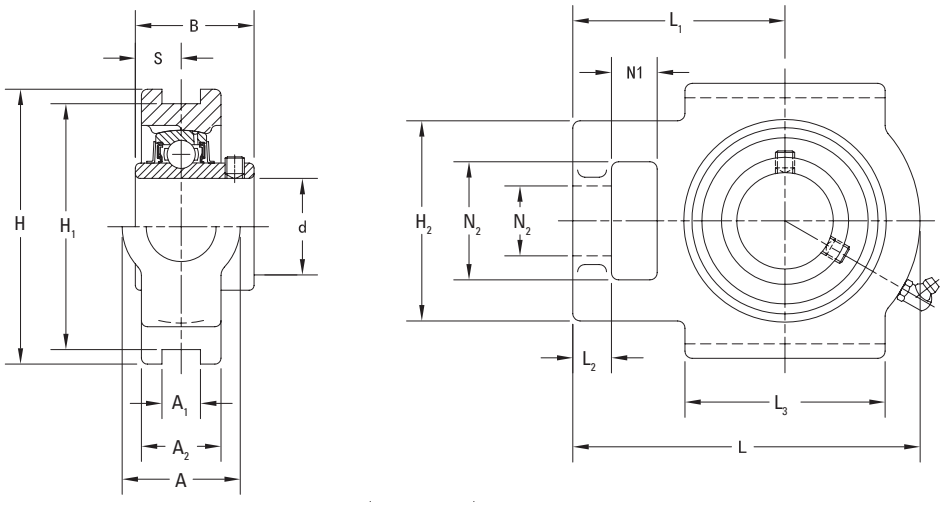
# *UCT 300 HEAVY-DUTY SET SCREW LOCKING SERIES*
# CAST-IRON TAKE-UP HOUSED UNITS

- UCT take-up units are suggested for industrial applications where heavy loads are encountered.
- UCT take-up units are used where shaft adjustment and belt-tightening devices are required, such as in conveyor applications.
- These units provide compact, efficient supports for adjustable shafts and conveyer take-up pulleys.
- Each unit comes assembled and ready for mounting.
- These units use wide inner ring ball bearings with self-aligning spherical outside diameters that compensate for shaft misalignment.
- Timken UCT series housed units feature the Timken set screw locking (UC) bearing insert.
- Bearing prelubricated and ready for immediate installation.
- Grease fitting supplied for relubrication[1].
- The bonded seal design is well-suited for industrial applications involving wet or dirty environments.
- Slot spacing and width are interchangeable with competitive units.
- Housing designed for ease of bearing replacement.

| Shaft Dia. d | | Take-Up Unit Designation | Bearing Designation | Basic Load Ratings | | Dimensions | | | | | | | | | | | | | | | Wt. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Dynamic | Static | H | $H_1$ | $L_2$ | $L_1$ | $A_2$ | A | N | L | $H_2$ | S | B | $L_3$ | $N_1$ | $N_2$ | $A_1$ | |
| | | | | $C_r$ | $C_{0r}$ | | | | | | | | | | | | | | | | |
| **mm** | in. | | | **kN** lbs | **kN** lbs | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **kg** lbs |
| **25** | | UCT305 | UC305 | **21.2** 4766 | **10.9** 2450 | **89** 3 ½ | **80** 3 5/32 | **12** 15/32 | **76** 3 | **26** 1 1/32 | **36** 1 13/32 | **26** 1 1/32 | **122** 4 13/16 | **62** 2 7/16 | **15** 0.591 | **38** 1.496 | **65** 2 9/16 | **16** 5/8 | **36** 1 13/32 | **12** 15/32 | **1.4** 3.0 |
| | 1 | UCT305-16 | UC305-16 | | | | | | | | | | | | | | | | | | |
| **30** | | UCT306 | UC306 | **26.7** 6002 | **15.0** 3372 | **100** 3 15/16 | **90** 3 35/64 | **14** 9/16 | **85** 3 11/32 | **28** 1 3/32 | **41** 1 5/8 | **28** 1 3/32 | **137** 5 13/32 | **70** 2 3/4 | **17** 0.669 | **43** 1.693 | **74** 2 29/32 | **18** 23/32 | **41** 1 5/8 | **16** 5/8 | **1.8** 3.9 |
| **35** | | UCT307 | UC307 | **33.4** 7509 | **19.3** 4339 | **111** 4 3/8 | **100** 3 15/16 | **15** 19/32 | **94** 3 11/16 | **32** 1 1/4 | **45** 1 25/32 | **30** 1 3/16 | **150** 5 29/32 | **75** 2 15/16 | **19** 0.748 | **48** 1.890 | **80** 3 5/32 | **20** 25/32 | **45** 1 25/32 | **16** 5/8 | **2.3** 5.0 |
| | 1 ½ | UCT308-24 | UC308-24 | **40.7** 9150 | **24.0** 5395 | **124** 4 7/8 | **112** 4 13/32 | **17** 21/32 | **100** 3 15/16 | **34** 1 11/32 | **50** 1 31/32 | **32** 1 1/4 | **162** 6 3/8 | **83** 3 9/32 | **19** 0.748 | **52** 2.047 | **89** 3 ½ | **22** 7/8 | **50** 1 31/32 | **18** 45/64 | **3.0** 6.6 |
| **40** | | UCT308 | UC308 | | | | | | | | | | | | | | | | | | |
| | 1 ¾ | UCT309-28 | UC309-28 | **48.9** 10993 | **29.5** 6632 | **138** 5 7/16 | **125** 4 59/64 | **18** 23/32 | **110** 4 11/32 | **38** 1 ½ | **55** 2 5/32 | **34** 1 11/32 | **178** 7 | **90** 3 17/32 | **22** 0.866 | **57** 2.244 | **97** 3 13/16 | **24** 15/16 | **55** 2 5/32 | **18** 45/64 | **4.1** 9.0 |
| **45** | | UCT309 | UC309 | | | | | | | | | | | | | | | | | | |
| **50** | | UCT310 | UC310 | **62.0** 13938 | **38.3** 8610 | **151** 5 15/16 | **140** 5 33/64 | **20** 25/32 | **117** 4 19/32 | **40** 1 9/16 | **61** 2 12/32 | **37** 1 15/32 | **191** 7 17/32 | **98** 3 27/32 | **22** 0.866 | **61** 2.402 | **106** 4 3/16 | **27** 1 1/16 | **61** 2 13/32 | **20** 25/32 | **4.9** 10.8 |
| | 2 | UCT311-32 | UC311-32 | **71.6** 16096 | **45.0** 10116 | **163** 6 13/32 | **150** 5 29/32 | **21** 13/16 | **127** 5 | **44** 1 23/32 | **66** 2 19/32 | **39** 1 17/32 | **207** 8 5/32 | **105** 4 1/8 | **25** 0.984 | **66** 2.598 | **115** 4 17/32 | **29** 1 5/32 | **66** 2 19/32 | **22** 55/64 | **6.1** 13.4 |
| **55** | | UCT311 | UC311 | | | | | | | | | | | | | | | | | | |
| | 2 3/16 | UCT311-35 | UC311-35 | | | | | | | | | | | | | | | | | | |
| **60** | | UCT312 | UC312 | **81.9** 18412 | **52.2** 11735 | **178** 7 | **160** 6 19/64 | **23** 29/32 | **135** 5 5/16 | **46** 1 13/16 | **71** 2 25/32 | **41** 1 5/8 | **220** 8 21/32 | **113** 4 7/16 | **26** 1.024 | **71** 2.795 | **123** 4 27/32 | **31** 1 7/32 | **71** 2 25/32 | **22** 55/64 | **7.6** 16.7 |
| | 2 7/16 | UCT312-39 | UC312-39 | | | | | | | | | | | | | | | | | | |
| | 2 ½ | UCT313-40 | UC313-40 | **92.7** 20840 | **59.9** 13466 | **190** 7 15/32 | **170** 6 11/16 | **25** 31/32 | **146** 5 3/4 | **50** 1 31/32 | **80** 3 5/32 | **43** 1 11/16 | **238** 9 3/8 | **116** 4 9/16 | **30** 1.181 | **75** 2.953 | **134** 5 9/32 | **32** 1 1/4 | **70** 2 3/4 | **26** 1 1/32 | **9.3** 20.5 |
| **65** | | UCT313 | UC313 | | | | | | | | | | | | | | | | | | |
| | 2 ¾ | UCT314-44 | UC314-44 | **104.0** 23380 | **68.2** 15332 | **202** 7 15/16 | **180** 7 3/32 | **25** 31/32 | **155** 6 3/32 | **52** 2 1/16 | **90** 3 17/32 | **46** 1 13/16 | **252** 9 29/32 | **130** 5 1/8 | **33** 1.299 | **78** 3.071 | **140** 5 ½ | **36** 1 13/32 | **85** 3 11/32 | **26** 1 1/32 | **11.1** 24.4 |
| **70** | | UCT314 | UC314 | | | | | | | | | | | | | | | | | | |

[1] For bore sizes up to and including 210, a ¼-28 tapered thread fitting is used. For bore sizes greater than 211, a ⅛ BSPT fitting is used.

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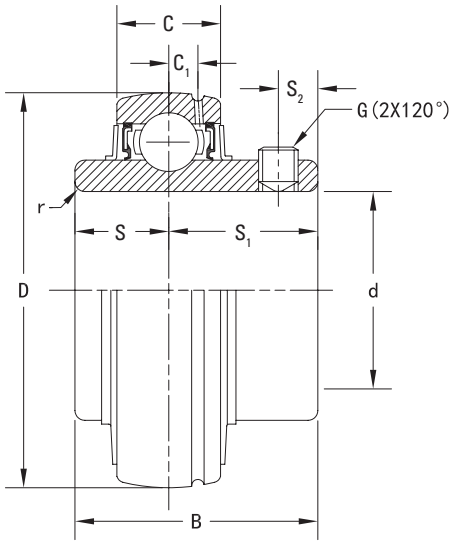
| Shaft Dia. d | | Take-Up Unit Designation | Bearing Designation | Basic Load Ratings | | Dimensions | | | | | | | | | | | | | | | Wt. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Dynamic | Static | H | $H_1$ | $L_2$ | $L_1$ | $A_2$ | A | N | L | $H_2$ | S | B | $L_3$ | $N_1$ | $N_2$ | $A_1$ | |
| | | | | $C_r$ | $C_{0r}$ | | | | | | | | | | | | | | | | |
| **mm** | in. | | | **kN** lbs | **kN** lbs | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **kg** lbs |
| | 2 15/16 | UCT315-47 | UC315-47 | | | | | | | | | | | | | | | | | | |
| **75** | | UCT315 | UC315 | **113.0** 25403 | **77.2** 17355 | **216** 8 1/2 | **192** 7 9/16 | **25** 31/32 | **160** 6 5/16 | **55** 2 5/32 | **90** 3 17/32 | **46** 1 13/16 | **262** 10 5/16 | **132** 5 3/16 | **32** 1.260 | **82** 3.228 | **150** 5 29/32 | **36** 1 13/32 | **85** 3 11/32 | **26** 1 1/32 | **13.0** 28.6 |
| | 3 | UCT315-48 | UC315-48 | | | | | | | | | | | | | | | | | | |
| **80** | | UCT316 | UC316 | **123.0** 27651 | **86.7** 19491 | **230** 9 1/16 | **204** 8 1/32 | **28** 1 3/32 | **174** 6 27/32 | **60** 2 3/8 | **102** 4 1/32 | **53** 2 3/32 | **282** 11 3/32 | **150** 5 29/32 | **34** 1.339 | **86** 3.386 | **160** 6 5/16 | **42** 1 21/32 | **98** 3 27/32 | **30** 1 3/16 | **16.2** 35.7 |
| **85** | | UCT317 | UC317 | **133.0** 29900 | **96.8** 21762 | **240** 9 7/16 | **214** 8 27/64 | **30** 1 3/16 | **183** 7 7/32 | **64** 2 17/32 | **102** 4 1/32 | **53** 2 3/32 | **298** 11 23/32 | **152** 5 31/32 | **40** 1.575 | **96** 3.780 | **170** 6 11/16 | **42** 1 21/32 | **98** 3 27/32 | **32** 1 17/64 | **19.0** 41.8 |
| | 3 1/2 | UCT318-56 | UC318-56 | **143.0** 32148 | **107.0** 24055 | **255** 10 1/32 | **228** 8 31/32 | **30** 1 3/16 | **192** 7 9/16 | **66** 2 19/32 | **110** 4 11/32 | **57** 2 1/4 | **312** 12 9/32 | **160** 6 5/16 | **40** 1.575 | **96** 3.780 | **175** 6 7/8 | **46** 1 13/16 | **106** 4 3/16 | **32** 1 17/64 | **21.6** 47.6 |
| **90** | | UCT318 | UC318 | | | | | | | | | | | | | | | | | | |
| **95** | | UCT319 | UC319 | **153.0** 34396 | **119.0** 26752 | **270** 10 5/8 | **240** 9 29/64 | **31** 1 7/32 | **197** 7 3/4 | **72** 2 27/32 | **110** 4 11/32 | **57** 2 1/4 | **322** 12 11/16 | **165** 6 1/2 | **41** 1.614 | **103** 4.055 | **180** 7 3/32 | **46** 1 13/16 | **106** 4 3/16 | **35** 1 3/8 | **24.9** 54.8 |
| **100** | | UCT320 | UC320 | | | | | | | | | | | | | | | | | | |
| | 3 15/16 | UCT320-63 | UC320-63 | **173.0** 38892 | **141.0** 31698 | **290** 11 13/32 | **260** 10 15/64 | **32** 1 1/4 | **210** 8 9/32 | **75** 2 15/16 | **120** 4 23/32 | **59** 2 5/16 | **345** 13 19/32 | **175** 6 7/8 | **42** 1.654 | **108** 4.252 | **200** 7 7/8 | **48** 1 7/8 | **115** 4 17/32 | **35** 1 3/8 | **30.7** 67.6 |
| | 4 | UCT320-64 | UC320-64 | | | | | | | | | | | | | | | | | | |
| **105** | | UCT321 | UC321 | **184.0** 41365 | **153.0** 34396 | **290** 11 13/32 | **260** 10 15/64 | **32** 1 1/4 | **210** 8 9/32 | **75** 2 15/16 | **120** 4 23/32 | **59** 2 5/16 | **345** 13 19/32 | **175** 6 7/8 | **44** 1.732 | **112** 4.409 | **200** 7 7/8 | **48** 1 7/8 | **115** 4 17/32 | **35** 1 3/8 | **36.7** 80.9 |
| **110** | | UCT322 | UC322 | **205.0** 46086 | **180.0** 40466 | **320** 12 19/32 | **285** 11 7/32 | **38** 1 1/2 | **235** 9 1/4 | **80** 3 5/32 | **130** 5 1/8 | **65** 2 9/16 | **385** 15 5/32 | **185** 7 9/32 | **46** 1.811 | **117** 4.606 | **215** 8 15/32 | **52** 2 1/16 | **125** 4 29/32 | **38** 1 1/2 | **39.7** 87.5 |
| **120** | | UCT324 | UC324 | **207.0** 46535 | **185.0** 41590 | **355** 13 31/32 | **320** 12 9/32 | **42** 1 21/32 | **267** 10 1/2 | **90** 3 17/32 | **140** 5 1/2 | **70** 2 3/4 | **432** 17 | **210** 8 9/32 | **51** 2.008 | **126** 4.961 | **230** 9 1/16 | **60** 2 3/8 | **140** 5 1/2 | **45** 1 49/64 | **54.4** 119.9 |
| **130** | | UCT326 | UC326 | **229.0** 51481 | **214.0** 48190 | **385** 15 5/32 | **350** 13 25/32 | **45** 1 25/32 | **285** 11 7/32 | **100** 3 15/16 | **150** 5 29/32 | **75** 2 15/16 | **465** 18 5/16 | **220** 8 21/32 | **54** 2.126 | **135** 5.315 | **240** 9 7/16 | **65** 2 9/16 | **150** 5 29/32 | **50** 1 31/32 | **69.3** 152.7 |
| **140** | | UCT328 | UC328 | **253.0** 56877 | **246.0** 55303 | **415** 16 11/32 | **380** 14 61/64 | **50** 1 31/32 | **315** 12 13/32 | **100** 3 15/16 | **155** 6 3/32 | **80** 3 5/32 | **515** 20 9/32 | **230** 9 1/16 | **59** 2.323 | **145** 5.709 | **255** 10 1/32 | **70** 2 3/4 | **160** 6 5/16 | **50** 1 31/32 | **85.1** 187.6 |

# *UC 300 HEAVY-DUTY SET SCREW LOCKING SERIES*
# WIDE INNER RING BALL BEARINGS

- The UC wide inner ring ball bearing uses a popular set screw locking mechanism and is suggested for industrial applications where heavy loads are encountered.
- The set screw mounting feature is ideal for reversing load applications.
- Bearing prelubricated and ready for immediate installation.
- The wide inner ring provides effective shaft support for a broad range of industrial applications.
- The positive contact of the land-riding bonded nitrile seal helps protect against harmful contaminants and retains lubricant under severe operating conditions.
- An external steel flinger provides additional protection from contamination.
- The UC series features superfinished raceways, grade-10 balls for smooth running and low noise operation.
- UC series wide inner ring ball bearings have spherical outside diameters for use in housings with corresponding spherical inside surfaces to compensate for shaft misalignment.

| Shaft Dia. d | | Bearing Designation | Basic Load Ratings | | Dimensions | | | | | | | Min. Fillet Radius | Set Screw Size | Wt. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Dynamic | Static | D | C | B | $S_2$ | $C_1$ | S | $S_1$ | r (min.) | G | |
| | | | $C_r$ | $C_{0r}$ | | | | | | | | | | |
| **mm** | in. | | **kN** lbs | **kN** lbs | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | | **kg** lbs |
| **25** | | UC305 | **21.2** 4766 | **10.9** 2450 | **62** 2.441 | **22** 0.866 | **38.0** 1.496 | **6** 0.236 | **6.0** 0.236 | **15** 0.591 | **23** 0.906 | **1.1** 0.043 | M6×0.75 | **0.4** 1.0 |
| | 1 | UC305-16 | | | | | | | | | | | | **0.4** 1.0 |
| **30** | | UC306 | **26.7** 6002 | **15.0** 3372 | **72** 2.835 | **24** 0.945 | **43.0** 1.693 | **6** 0.236 | **6.5** 0.256 | **17** 0.669 | **26** 1.024 | **1.1** 0.043 | M6×0.75 | **0.6** 1.2 |
| **35** | | UC307 | **33.4** 7509 | **19.3** 4339 | **80** 3.150 | **26** 1.024 | **48.0** 1.890 | **8** 0.315 | **7.5** 0.295 | **19** 0.748 | **29** 1.142 | **1.5** 0.059 | M8×1 | **0.7** 1.6 |
| | 1 ½ | UC308-24 | **40.7** 9150 | **24.0** 5395 | **90** 3.543 | **28** 1.102 | **52.0** 2.047 | **10** 0.394 | **8.0** 0.315 | **19** 0.748 | **33** 1.299 | **1.5** 0.059 | M10×1.25 | **1.1** 2.3 |
| **40** | | UC308 | | | | | | | | | | | | **1.0** 2.2 |
| | 1 ¾ | UC309-28 | **48.9** 10993 | **29.5** 6632 | **100** 3.937 | **30** 1.181 | **57.0** 2.244 | **10** 0.394 | **8.5** 0.335 | **22** 0.866 | **35** 1.378 | **1.5** 0.059 | M10×1.25 | **1.4** 3.0 |
| **45** | | UC309 | | | | | | | | | | | | **1.3** 2.9 |
| **50** | | UC310 | **62.0** 13938 | **38.3** 8610 | **110** 4.331 | **32** 1.260 | **61.0** 2.402 | **12** 0.472 | **9.0** 0.354 | **22** 0.866 | **39** 1.535 | **2.0** 0.079 | M12×1.5 | **1.7** 3.7 |
| | 2 | UC311-32 | **71.6** 16096 | **45.0** 10116 | **120** 4.724 | **34** 1.339 | **66.0** 2.598 | **12** 0.472 | **10.0** 0.394 | **25** 0.984 | **41** 1.614 | **2.0** 0.079 | M12×1.5 | **2.1** 4.6 |
| **55** | | UC311 | | | | | | | | | | | | **1.9** 4.2 |
| | 2 3⁄16 | UC311-35 | | | | | | | | | | | | **1.7** 3.7 |
| **60** | | UC312 | **81.9** 18412 | **52.2** 11735 | **130** 5.118 | **36** 1.417 | **71.0** 2.795 | **12** 0.472 | **11.5** 0.453 | **26** 1.204 | **45** 1.772 | **2.1** 0.083 | M12×1.5 | **2.6** 5.7 |
| | 2 7⁄16 | UC312-39 | | | | | | | | | | | | **2.5** 5.5 |
| | 2 ½ | UC313-40 | **92.7** 20840 | **59.9** 13466 | **140** 5.512 | **38** 1.496 | **75.0** 2.953 | **12** 0.472 | **12.0** 0.472 | **30** 1.181 | **45** 1.772 | **2.1** 0.083 | M12×1.5 | **3.2** 7.1 |
| **65** | | UC313 | | | | | | | | | | | | **3.1** 7.0 |
| | 2 ¾ | UC314-44 | **104.0** 23380 | **68.2** 15332 | **150** 5.906 | **40** 1.575 | **78.0** 3.071 | **12** 0.472 | **12.5** 0.492 | **33** 1.299 | **45** 1.772 | **2.1** 0.083 | M12×1.5 | **3.9** 8.6 |
| **70** | | UC314 | | | | | | | | | | | | **3.9** 8.6 |

*Continued on next page.*




*Continued from previous page.*

| Shaft Dia. d | | Bearing Designation | Basic Load Ratings | | Dimensions | | | | | | | Min. Fillet Radius | Set Screw Size | Wt. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Dynamic | Static | D | C | B | $S_2$ | $C_1$ | S | $S_1$ | r (min.) | G | |
| | | | $C_r$ | $C_{0r}$ | | | | | | | | | | |
| **mm** | in. | | **kN** lbs | **kN** lbs | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | **mm** in. | | **kg** lbs |
| | 2 15/16 | UC315-47 | | | | | | | | | | | | **4.7** 10.4 |
| **75** | | UC315 | **113.0** 25403 | **77.2** 17355 | **160** 6.299 | **42** 1.654 | **82.0** 3.228 | **14** 0.551 | **14.5** 0.571 | **32** 1.260 | **50** 1.969 | **2.1** 0.083 | M14×1.5 | **4.7** 10.4 |
| | 3 | UC315-48 | | | | | | | | | | | | **4.6** 10.2 |
| **80** | | UC316 | **123.0** 27651 | **86.7** 19491 | **170** 6.693 | **44** 1.732 | **86.0** 3.386 | **14** 0.551 | **15** 0.591 | **34** 1.339 | **52** 2.047 | **2.1** 0.083 | M14×1.5 | **5.6** 12.3 |
| **85** | | UC317 | **133.0** 29900 | **96.8** 21762 | **180** 7.087 | **46** 1.811 | **96.0** 3.780 | **16** 0.630 | **15** 0.591 | **40** 1.575 | **56** 2.205 | **3.0** 0.118 | M16×1.5 | **6.9** 15.2 |
| | 3 1/2 | UC318-56 | **143.0** 32148 | **107.0** 24055 | **190** 7.480 | **48** 1.890 | **96.0** 3.780 | **16** 0.630 | **15.5** 0.610 | **40** 1.575 | **56** 2.205 | **3.0** 0.118 | M16×1.5 | **8.0** 17.7 |
| **90** | | UC318 | | | | | | | | | | | | **7.9** 17.4 |
| **95** | | UC319 | **153.0** 34396 | **119.0** 26752 | **200** 7.874 | **50** 1.969 | **103.0** 4.055 | **18** 0.709 | **16.5** 0.650 | **41** 1.614 | **62** 2.441 | **3.0** 0.118 | M16×1.5 | **8.9** 19.6 |
| **100** | | UC320 | | | | | | | | | | | | **11.2** 24.7 |
| | 3 15/16 | UC320-63 | **173.0** 38892 | **141.0** 31698 | **215** 8.465 | **54** 2.126 | **108.0** 4.252 | **20** 0.787 | **18** 0.709 | **42** 1.654 | **66** 2.598 | **3.0** 0.118 | M18×1.5 | **11.2** 24.7 |
| | 4 | UC320-64 | | | | | | | | | | | | **11.0** 24.3 |
| **105** | | UC321 | **184.0** 41365 | **153.0** 34396 | **225** 8.858 | **56** 2.205 | **112.0** 4.409 | **20** 0.787 | **19** 0.748 | **44** 1.732 | **68** 2.677 | **3.0** 0.118 | M18×1.5 | **12.7** 28.0 |
| **110** | | UC322 | **205.0** 46086 | **180.0** 40466 | **240** 9.449 | **60** 2.362 | **117.0** 4.606 | **20** 0.787 | **20** 0.787 | **46** 1.811 | **71** 2.795 | **3.0** 0.118 | M18×1.5 | **15.1** 33.3 |
| **120** | | UC324 | **207.0** 46535 | **185.0** 41590 | **260** 10.236 | **64** 2.520 | **126.0** 4.961 | **20** 0.787 | **21** 0.827 | **51** 2.008 | **75** 2.953 | **3.0** 0.118 | M18×1.5 | **19.0** 41.9 |
| **130** | | UC326 | **229.0** 51481 | **214.0** 48109 | **280** 11.024 | **68** 2.677 | **135.0** 5.315 | **20** 0.787 | **22** 0.866 | **54** 2.126 | **81** 3.189 | **4.0** 0.157 | M20×1.5 | **23.6** 52.0 |
| **140** | | UC328 | **253.0** 56877 | **246.0** 55303 | **300** 11.811 | **72** 2.835 | **145.0** 5.709 | **20** 0.787 | **23** 0.906 | **59** 2.323 | **86** 3.386 | **4.0** 0.157 | M20×1.5 | **29.4** 64.8 |

**⚠ WARNING**

***Failure to observe the following warnings could create a risk of death or serious injury.***

Proper maintenance and handling practices are critical. Always follow installation instructions and maintain proper lubrication.

Overheated bearings can ignite explosive atmospheres. Special care must be taken to properly select, install, maintain and lubricate housed unit bearings that are used in or near atmospheres that may contain explosive levels of combustible gases or accumulations of dust such as grain, coal, or other combustible materials. Consult your equipment designer or supplier for installation and maintenance instructions.

If hammer and bar are used for installation or removal of a part, use a mild steel bar (e.g., 1010 or 1020 grade). Mils steel bars are less likely to cause release of high speed fragments from the hammer or bar or the part being installed or removed.

**CAUTION**

***Failure to follow these cautions may result in property damage.***

Do not use damaged housed units.

**NOTE:**

*Do not use excessive force when mounting or dismounting the unit.*

*Follow all tolerance, fit and torque recommendations.*

*Always follow the Original Equipment Manufacturer's installation and maintenance guidelines.*

*Ensure proper alignment.*

*Never weld housed units.*

*Do not heat components with an open flame.*

*Do not operate at bearing temperatures above 250° F (121° C).*

**For additional Timken product warnings, visit www.timken.com/warnings.**

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