

TIMKEN

UC-SERIES TIMKEN® BALL BEARING HOUSED UNITS



Stronger. **By Design.**

UC-SERIES TIMKEN® BALL BEARING HOUSED UNITS

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TIMKEN® 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 .
- 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

- Precision sealing provides extended bearing life and reduced lubrication leakage.
- Bonded seal design includes a steel flinger for 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 design allows 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, repair services and condition monitoring systems.

HOUSING STYLES

Timken offers you the full range of standard series ball bearing housed units with a popular set screw locking mechanism in metric and imperial sizes:

UCP PILLOW BLOCK UNITS

12 mm to 90 mm (1/2 in. to 3 1/2 in.)



UCF FOUR-BOLT FLANGED UNITS

12 mm to 90 mm (1/2 in. to 3 1/2 in.)



UCFL TWO-BOLT FLANGED UNITS

12 mm to 90 mm (1/2 in. to 3 1/2 in.)



UCFC PILOTED ROUND FLANGED UNITS

12 mm to 90 mm (1/2 in. to 3 1/2 in.)



UCT TAKE-UP UNITS

12 mm to 85 mm (1/2 in. to 3 1/4 in.)

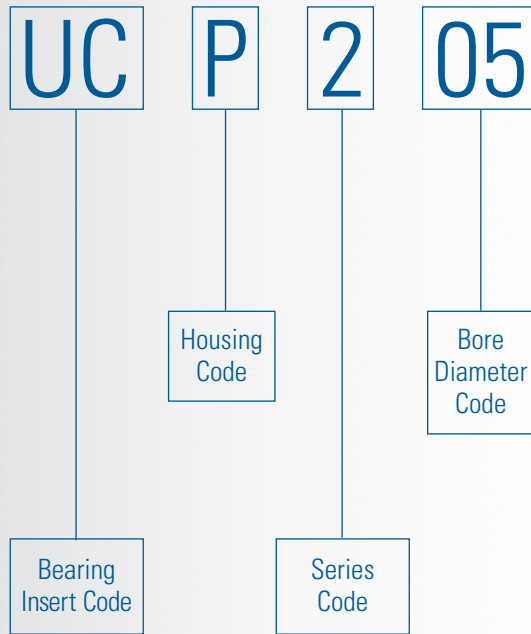


UC WIDE INNER RING BALL BEARINGS

12 mm to 90 mm (1/2 in. to 3 1/2 in.)



NOMENCLATURE



BEARING INSERT CODE	HOUSING CODE	SERIES CODE
UC Cylindrical bore, spherical outer diameter, set screw locking mechanism	P Pillow block unit	2 Standard industrial series
	F Four-bolt flanged unit	
	FL Two-bolt flanged unit	
	T Take-up unit	
	FC Piloted round flanged unit	

CONFIGURATIONS TO MEET YOUR NEEDS

BALL HOUSED UNITS

Standard series – wide inner ring, set screw locking mechanism

HOUSING TYPES

Pillow block, two-bolt flange, four-bolt flange, piloted round flange and take-up

METRIC BORE SIZES 12 mm – 90 mm

INCH BORE SIZES ½ in. – 3½ in.

BORE DIAMETER CODE METRIC	
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
Example:	
<i>UCF201 = 12 mm bore (Four-bolt flanged unit)</i>	
<i>UCP211 = 55 mm bore (Pillow block unit)</i>	
BORE DIAMETER CODE IMPERIAL	
–8 or higher	Nominal bore diameter = bore diameter code/16
Example:	
<i>UCF201-8 = 8/16 in. or 1/2 in. bore (Four-bolt flanged unit)</i>	
<i>UCP205-16 = 16/16 in. or 1 in. bore (Pillow block unit)</i>	

FEATURES

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.

Set screw angle

120-degree angle minimizes inner ring distortion for smoother-running bearing.

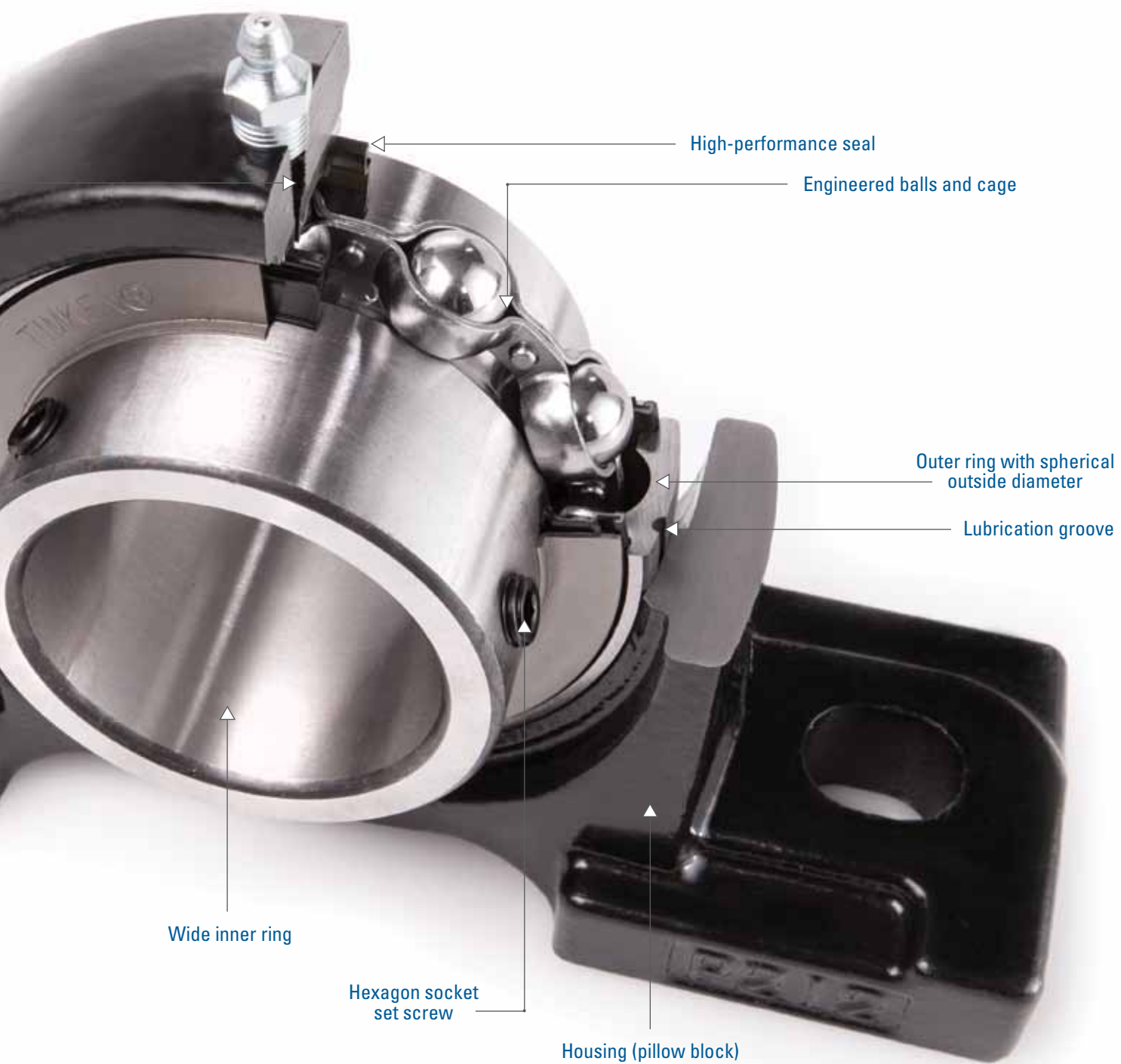
Cast-iron housing

Incorporates ISO 185 Grade 200 (ASTM A48 Class No. 30) cast iron.

Premium grease

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





INSTALLATION

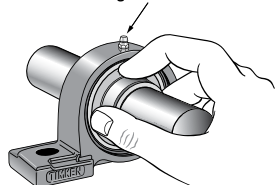
Ball bearing housed units are available in a wide variety of sizes and housing styles to accommodate a complete range of operating conditions.

These units generally have cast-iron housings and are designed for mounting on straight shafts with a slip fit. The set screw locking mechanism provides ease in mounting.

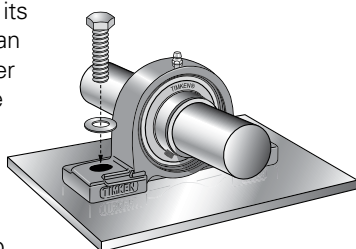
1. Ensure that the shaft is clean, free from burrs, straight and of proper diameter. The bearing should not be mounted on a worn section of the shaft. Using shafts with hardness greater than HRC 45 will reduce effectiveness of locking devices. See table 2 on page 9 for suggested shaft tolerances.

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.

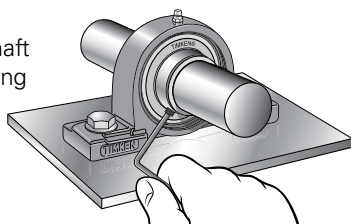
Grease fitting in lubrication hole



3. Bolt the housing tightly to its mounting supports using an appropriately sized fastener and suggested bolt torque (table 4 on page 9). 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 3 on page 9).



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.

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 121°C (250°F).

CAUTION

Failure to follow these cautions may result in property damage.

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

Do not use damaged housed units.

FOR ADDITIONAL TIMKEN PRODUCT WARNINGS, VISIT WWW.TIMKEN.COM/WARNINGS.

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 1.

GENERAL RELUBRICATION SUGGESTIONS FOR GREASED BEARINGS ⁽¹⁾

TABLE 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 and torque for set screws and bolts.

SUGGESTED SHAFT TOLERANCE ⁽¹⁾

TABLE
2

SHAFT SIZE		SHAFT TOLERANCE	
Over	Incl.	Min.	Max.
mm in.	mm in.	mm in.	mm in.
12.000	18.000	0.000	– 0.011
0.500	0.625	0.000	– 0.0005
19.000	30.000	0.000	– 0.013
0.750	1.000	0.000	– 0.0005
31.000	50.000	0.000	– 0.016
1.125	1.938	0.000	– 0.0005
51.000	80.000	0.000	– 0.019
2.000	3.125	0.000	– 0.0010
81.000	90.000	0.000	– 0.022
3.250	3.500	0.000	– 0.0010

SUGGESTED BOLT MOUNTING TORQUE

TABLE
4

BOLT SIZE	TIGHTENING TORQUE
mm	Nm
M10	12 – 21
M12	21 – 37
M14	34 – 60
M16	53 – 93
M20	104 – 186
M22	143 – 256
in.	ft. - lbs.
3/8	9.0 – 15.5
1/2	15.5 – 27.5
5/8	39.0 – 68.5
3/4	76.5 – 137.0
7/8	105.5 – 190.0

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

SUGGESTED SET SCREW TIGHTENING TORQUE

TABLE
3

SET SCREW SIZE	TIGHTENING TORQUE
mm	Nm
M6 x 0.75	4
M8 x 1	8.5
M10 x 1.25	17.5
M12 x 1.5	28
in.	in. - lbs.
1/4 – 28 UNF	35.4
5/16 – 24 UNF	75.2

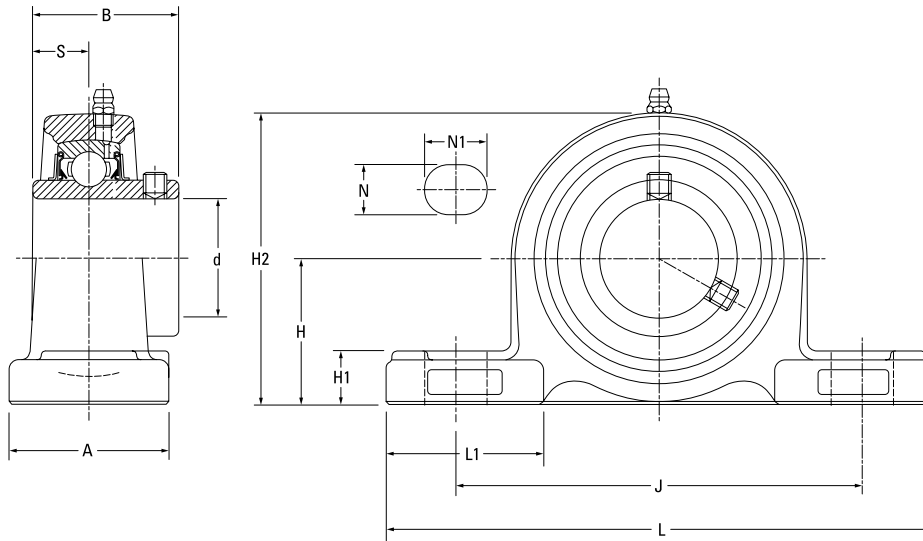
CAST-IRON PILLOW BLOCK UNITS

UCP INDUSTRIAL SERIES

- 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.
- Bearing prelubricated and ready for immediate installation.
- Grease fitting supplied for relubrication.
- 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.

Shaft Dia. d		Pillow block Designation	Bearing Designation	Basic Load Ratings		Dimensions											Bolt Size	Weight
				Dynamic C _r	Static C _{0r}	H	L	L1	A	H1	J	H2	S	B	N	N1		
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	12.8 2878	6.65 1495	30.2 1 3/16	127 5	34.5 1 23/64	38 1 1/2	16 5/8	95 3 3/4	60 2 3/8	12.7 0.500	31 1.220	13 1/2	18 23/32	M10 3/8	0.6 1.3
	1/2	UCP201-8	UC201-8															
15		UCP202	UC202															
	5/8	UCP202-10	UC202-10															
17		UCP203	UC203	12.8 2878	6.65 1495	33.3 1 3/16	127 5	34.5 1 23/64	38 1 1/2	16 5/8	95 3 3/4	64.3 2 17/32	12.7 0.500	31 1.220	13 1/2	18 23/32	M10 3/8	0.7 1.5
	3/4	UCP204-12	UC204-12															
20		UCP204	UC204															
	7/8	UCP205-14	UC205-14	14.0 3147	7.85 1765	36.5 1 7/16	140 5 1/2	37.5 1 31/64	38 1 1/2	16 5/8	105 4 1/8	70 2 49/64	14.3 0.563	34.1 1.343	13 1/2	18 23/32	M10 3/8	0.8 1.8
	15/16	UCP205-15	UC205-15															
25		UCP205	UC205															
	1	UCP205-16	UC205-16	19.5 4384	11.3 2540	42.9 1 11/16	165 6 1/2	47.5 1 55/64	48 1 7/8	17 21/32	121 4 3/4	84 3 5/16	15.9 0.626	38.1 1.500	17 21/32	21 13/16	M14 1/2	1.3 2.9
	1 1/8	UCP206-18	UC206-18															
30		UCP206	UC206															
	1 3/16	UCP206-19	UC206-19	25.7 5778	15.4 3462	47.6 1 7/8	167 6 9/16	46.5 1 53/64	48 1 7/8	18 23/32	127 5	94.6 3 23/32	17.5 0.689	42.9 1.689	17 21/32	21 13/16	M14 1/2	1.6 3.5
	1 1/4	UCP206-20	UC206-20															
	1 1/4	UCP207-20	UC207-20															
	1 5/16	UCP207-21	UC207-21															
	1 3/8	UCP207-22	UC207-22															
35		UCP207	UC207	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	19 0.748	49.2 1.937	17 21/32	21 13/16	M14 1/2	2.0 4.4
	1 7/16	UCP207-23	UC207-23															
	1 1/2	UCP208-24	UC208-24															
	1 9/16	UCP208-25	UC208-25	34.1 7666	21.3 4788	54 2 1/8	190 7 15/32	55 2 5/32	54 2 1/8	20 25/32	146 5 3/4	106 4 3/16	19 0.748	49.2 1.937	17 21/32	21 13/16	M14 1/2	2.2 4.9
40		UCP208	UC208															
	1 5/8	UCP209-26	UC209-26															
	1 11/16	UCP209-27	UC209-27	34.1 7666	21.3 4788	54 2 1/8	190 7 15/32	55 2 5/32	54 2 1/8	20 25/32	146 5 3/4	106 4 3/16	19 0.748	49.2 1.937	17 21/32	21 13/16	M14 1/2	2.2 4.9
	1 3/4	UCP209-28	UC209-28															
45		UCP209	UC209															

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Shaft Dia. d		Pillow block Designation	Bearing Designation	Basic Load Ratings		Dimensions											Bolt Size	Weight
				Dynamic C _r	Static C _{0r}	H	L	L1	A	H1	J	H2	S	B	N	N1		
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	35.1 7891	23.3 5238	57.2 2 ¼	206 8 ⅞	60 2 ⅜	60 2 ⅜	21 1⅜	159 6 ¼	113 4 7⁄16	19 0.748	51.6 2.031	20 25⁄32	22 7⁄8	M16 5⁄8	2.9 6.4
	1 15⁄16	UCP210-31	UC210-31															
50		UCP210	UC210															
	2	UCP210-32	UC210-32															
	2	UCP211-32	UC211-32	43.4 9757	29.4 6609	63.5 2 ½	219 8 ⅝	64.5 2 35⁄64	60 2 ⅜	23 29⁄32	171 6 23⁄32	125 4 29⁄32	22.2 0.874	55.6 2.189	20 25⁄32	22 7⁄8	M16 5⁄8	3.6 7.9
	2 ⅞	UCP211-34	UC211-34															
	2 3⁄16	UCP211-35	UC211-35															
		UCP211	UC211															
	2 ¼	UCP212-36	UC212-36	52.4 11780	36.2 8138	69.8 2 ¾	241 9 ½	72.5 2 55⁄64	70 2 ¾	25 31⁄32	184 7 ¼	138 5 7⁄16	25.4 1.000	65.1 2.563	20 25⁄32	25 31⁄32	M16 5⁄8	4.9 10.8
		UCP212	UC212															
	2 3⁄8	UCP212-38	UC212-38															
	2 7⁄16	UCP212-39	UC212-39															
	2 ½	UCP213-40	UC213-40	57.2 12859	40.1 9015	76.2 3	265 10 7⁄16	78 3 1⁄16	70 2 ¾	27 1 1⁄16	203 8	150 5 29⁄32	25.4 1.000	65.1 2.563	35 31⁄32	30 1 3⁄16	M20 ¾	5.9 13.0
		UCP213	UC213															
	2 ¾	UCP214-44	UC214-44	62.2 13983	44.1 9914	79.4 3 ⅞	266 10 15⁄32	75 2 61⁄64	72 2 27⁄32	27 1 1⁄16	210 8 9⁄32	156 6 5⁄32	30.2 1.189	74.6 2.937	25 31⁄32	30 1 3⁄16	M20 ¾	6.8 15.0
		UCP214	UC214															
	2 15⁄16	UCP215-47	UC215-47	67.4 15152	48.3 10858	82.6 3 ¼	275 10 13⁄16	77.5 3 3⁄64	74 2 29⁄32	28 1 7⁄64	217 8 17⁄32	162 6 3⁄8	33.3 1.311	77.8 3.063	25 31⁄32	30 1 3⁄16	M20 ¾	7.4 16.3
		UCP215	UC215															
	3	UCP215-48	UC215-48															
	3 ⅞	UCP216-50	UC216-50	72.7 16344	53.0 11915	88.9 3 ½	292 11 ½	83 3 17⁄64	78 3 1⁄16	30 1 3⁄16	232 9 ⅞	174 6 27⁄32	33.3 1.311	82.6 3.252	25 31⁄32	35 1 3⁄8	M20 ¾	9.0 19.8
		UCP216	UC216															
	3 ¼	UCP217-52	UC217-52	84.0 18884	61.9 13916	95.2 3 ¾	310 12 3⁄4	87 3 27⁄64	83 3 9⁄32	32 1 ¼	247 9 23⁄32	185 7 9⁄32	34.1 1.343	85.7 3.374	25 31⁄32	40 1 9⁄16	M20 ¾	10.8 23.8
		UCP217	UC217															
	3 ½	UCP218-56	UC218-56	96.1 21604	71.5 16074	101.6 4	327 12 7⁄8	94 3 45⁄64	88 3 15⁄32	33 1 19⁄64	262 10 5⁄16	198 7 25⁄32	39.7 1.563	96 3.780	27 1 1⁄16	45 1 25⁄32	M22 7⁄8	13.9 30.6
		UCP218	UC218															

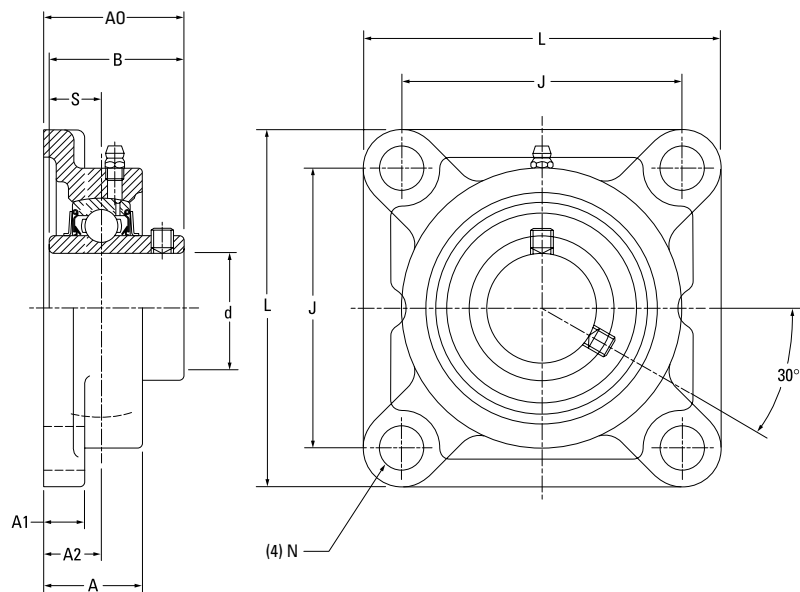
CAST-IRON FOUR-BOLT FLANGED UNITS

UCF INDUSTRIAL SERIES

- 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.
- Bolt-hole spacing dimensions and shaft center location are interchangeable with competitive units.
- Timken UCF-series set screw flanged units feature the Timken UC bearing insert.
- Bearing prelubricated and ready for immediate installation.
- Grease fitting supplied for relubrication.
- The bonded seal design is well-suited for applications involving wet or dirty environments.
- Housing designed for ease of bearing replacement.

Shaft Dia. d		Four-Bolt Flange Designation	Bearing Designation	Basic Load Ratings		Dimensions									Bolt Size	Weight
				Dynamic C _r	Static C _{0r}	L	J	A1	A	A0	S	B	A2	N		
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	6.65 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 1.220	15 19/32	12 15/32	M10 3/8	0.6 1.4
	1/2	UCF201-8	UC201-8													
15		UCF202	UC202													
	5/8	UCF202-10	UC202-10													
17		UCF203	UC203	14.0 3147	7.85 1765	95 3 3/4	70 2 3/4	13 1/2	27 1 1/16	35.8 1 13/32	14.3 0.563	34.1 1.343	16 5/8	12 15/32	M10 3/8	0.8 1.8
	3/4	UCF-204-12	UC204-12													
20		UCF-204	UC204													
	7/8	UCF205-14	UC205-14													
	15/16	UCF205-15	UC205-15													
25		UCF205	UC205	19.5 4384	11.3 2540	108 4 1/4	83 3 17/64	13 1/2	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
	1	UCF205-16	UC205-16													
	1 1/8	UCF206-18	UC206-18													
30		UCF206	UC206													
	1 3/16	UCF206-19	UC206-19	25.7 5778	15.4 3462	117 4 19/32	92 3 5/8	15 19/32	34 1 11/32	44.4 1 3/4	17.5 0.689	42.9 1.689	19 3/4	14 35/64	M12 7/16	1.5 3.3
	1 1/4	UCF206-20	UC206-20													
	1 1/4	UCF207-20	UC207-20													
	1 5/16	UCF207-21	UC207-21													
	1 3/8	UCF207-22	UC207-22	29.1 6542	17.8 4002	130 5 1/8	102 4 1/64	15 19/32	36 1 13/32	51.2 2 1/32	19 0.748	49.2 1.937	21 53/64	16 5/8	M14 1/2	1.9 4.2
35		UCF207	UC207													
	1 7/16	UCF207-23	UC207-23													
	1 1/2	UCF208-24	UC208-24													
	1 9/16	UCF208-25	UC208-25	34.1 7666	21.3 4788	137 5 13/32	105 4 9/64	16 5/8	38 1 1/2	52.2 2 1/16	19 0.748	49.2 1.937	22 55/64	16 5/8	M14 1/2	2.2 4.9
40		UCF208	UC208													
	1 5/8	UCF209-26	UC209-26													
	1 11/16	UCF209-27	UC209-27													
	1 3/4	UCF209-28	UC209-28	45												
		UCF209	UC209													

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Shaft Dia. d		Four-Bolt Flange Designation	Bearing Designation	Basic Load Ratings		Dimensions									Bolt Size	Weight
				Dynamic C _r	Static C _{0r}	L	J	A1	A	A0	S	B	A2	N		
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.
50	1 7/8	UCF210-30	UC210-30	35.1 7891	23.3 5238	143 5 5/8	111 4 3/8	16 5/8	40 1 9/16	54.6 2 5/32	19 0.748	51.6 2.031	22 55/64	16 5/8	M14 1/2	2.5 5.5
	1 15/16	UCF210-31	UC210-31													
	2	UCF210-32	UC210-32													
55	2	UCF211-32	UC211-32	43.4 9757	29.4 6609	162 6 3/8	130 5 1/8	18 23/32	43 1 11/16	58.4 2 5/16	22.2 0.874	55.6 2.189	25 63/64	19 3/4	M16 5/8	3.4 7.5
	2 1/8	UCF211-34	UC211-34													
	2 3/16	UCF211-35	UC211-35													
60	2 1/4	UCF212-36	UC212-36	52.4 11780	36.2 8138	175 6 7/8	143 5 5/8	18 23/32	48 1 7/8	68.7 2 23/32	25.4 1.000	65.1 2.563	29 1 9/64	19 3/4	M16 5/8	4.2 9.3
	2 3/8	UCF212-38	UC212-38													
	2 7/16	UCF212-39	UC212-39													
65	2 1/2	UCF213-40	UC213-40	57.2 12859	40.1 9015	187 7 3/8	149 5 55/64	22 7/8	50 1 31/32	69.7 2 3/4	25.4 1.000	65.1 2.563	30 1 3/16	19 3/4	M16 5/8	5.2 11.5
	2 3/4	UCF214-44	UC214-44													
	3	UCF215-48	UC215-48													
70	2 15/16	UCF215-47	UC215-47	67.4 15152	48.3 10858	200 7 7/8	159 6 17/64	22 7/8	56 2 7/32	78.5 3 3/32	33.3 1.311	77.8 3.0603	34 1 11/32	19 3/4	M16 5/8	6.4 14.1
	3 1/8	UCF216-50	UC216-50													
	3 1/4	UCF217-52	UC217-52													
85	3 1/2	UCF218-56	UC218-56	96.1 21604	71.5 16074	235 9 1/4	187 7 23/64	25 31/32	68 2 11/16	96.3 3 25/32	39.7 1.563	96 3.780	40 1 9/16	23 29/32	M20 3/4	11.4 25.1
	3 3/4	UCF219-58	UC219-58													
	4	UCF220-60	UC220-60													

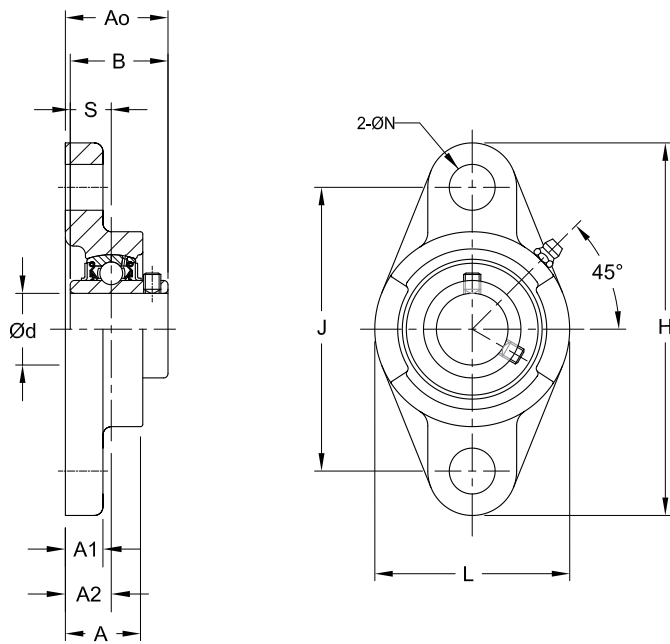
CAST-IRON TWO-BOLT FLANGED UNITS

UCFL INDUSTRIAL SERIES

- 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.
- Bolt-hole spacing dimensions and shaft center location are interchangeable with competitive units.
- Timken UCFL-series set screw flanged units feature the Timken UC bearing insert.
- Bearing prelubricated and ready for immediate installation.
- Grease fitting supplied for relubrication.
- The bonded seal design is well-suited for applications involving wet or dirty environments.
- Housing designed for ease of bearing replacement.

Shaft Dia. d		Two-Bolt Flange Designation	Bearing Designation	Basic Load Ratings		Dimensions										Bolt Size	Weight
				Dynamic C _r	Static C _{0r}	H	J	A1	A	A0	L	A2	S	B	N		
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	12.8 2878	6.65 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 1.220	12 15/32	M10 3/8	0.5 1.1
	1/2	UCFL201-8	UC201-8														
15		UCFL202	UC202														
	5/8	UCFL202-10	UC202-10														
17		UCFL203	UC203	14.0 3147	7.85 1765	130 5 1/8	99 3 57/64	13 1/2	27 1 1/16	35.8 1 13/32	68 2 11/16	16 5/8	14.3 0.563	34.1 1.343	16 5/8	M14 1/2	0.6 1.4
	3/4	UCFL204-12	UC204-12														
20		UCFL204	UC204														
	7/8	UCFL205-14	UC205-14														
	15/16	UCFL205-15	UC205-15	19.5 4384	11.3 2540	148 5 13/16	117 4 39/64	13 1/2	31 1 7/32	40.2 1 19/32	80 3 5/32	18 45/64	15.9 0.626	38.1 1.500	16 5/8	M14 1/2	1.0 2.1
25		UCFL205	UC205														
	1	UCFL205-16	UC205-16														
	1 1/8	UCFL206-18	UC206-18														
30		UCFL206	UC206	25.7 5778	15.4 3462	161 6 11/32	130 5 1/8	14 9/16	34 1 11/32	44.4 1 3/4	90 3 17/32	19 3/4	17.5 0.689	42.9 1.689	16 5/8	M14 1/2	1.2 2.6
	1 3/16	UCFL206-19	UC206-19														
	1 1/4	UCFL206-20	UC206-20														
	1 1/4	UCFL207-20	UC207-20														
	1 5/16	UCFL207-21	UC207-21	29.1 6542	17.8 4002	175 6 7/8	144 5 43/64	14 9/16	36 1 13/32	51.2 2 1/32	100 3 15/16	21 53/64	19 0.748	49.2 1.937	16 5/8	M14 1/2	1.6 3.5
	1 3/8	UCFL207-22	UC207-22														
35		UCFL207	UC207														
	1 7/16	UCFL207-23	UC207-23														
	1 1/2	UCFL208-24	UC208-24	34.1 7666	21.3 4788	188 7 13/32	148 5 53/64	15 19/32	38 1 1/2	52.2 2 1/16	108 4 1/4	22 55/64	19 0.748	49.2 1.937	19 3/4	M16 5/8	1.9 4.2
	1 9/16	UCFL208-25	UC208-25														
40		UCFL208	UC208														
	1 5/8	UCFL209-26	UC209-26														
	1 11/16	UCFL209-27	UC209-27	45													
	1 3/4	UCFL209-28	UC209-28														
45		UCFL209	UC209														

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Shaft Dia. d		Two-Bolt Flange Designation	Bearing Designation	Basic Load Ratings		Dimensions										Bolt Size	Weight
				Dynamic C _r	Static C _{0r}	H	J	A1	A	A0	L	A2	S	B	N		
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.
50	1 7/8	UCFL210-30	UC210-30	35.1 7891	23.3 5238	197 7 3/4	157 6 3/16	15 19/32	40 1 9/16	54.6 2 1/8	115 4 17/32	22 55/64	19 0.748	51.6 2.031	19 3/4	M16 5/8	2.2 4.9
	1 15/16	UCFL210-31	UC210-31														
		UCFL210	UC210														
55	2	UCFL210-32	UC210-32	43.4 9757	29.4 6609	224 8 13/16	184 7 1/4	18 23/32	43 1 11/16	58.4 2 5/16	130 5 1/8	25 63/64	22.2 0.874	55.6 2.189	19 3/4	M16 5/8	3.3 7.3
	2 1/8	UCFL211-32	UC211-32														
		UCFL211-34	UC211-34														
60		UCFL211	UC211	52.4 11780	36.2 8138	250 9 27/32	202 7 61/64	18 23/32	48 1 7/8	68.7 2 23/32	140 5 1/2	29 1 9/64	25.4 1.000	65.1 2.563	23 29/32	M20 3/4	4.2 9.3
	2 3/16	UCFL211-35	UC211-35														
	2 1/4	UCFL212-36	UC212-36														
65		UCFL212	UC212	57.2 12859	40.1 9015	258 10 5/32	210 8 17/64	20 25/32	50 1 31/32	69.7 2 3/4	155 6 3/32	30 1 3/16	25.4 1.00	65.1 2.563	23 29/32	M20 3/4	5.1 11.2
	2 1/2	UCFL213-40	UC213-40														
		UCFL213	UC213														
70	2 3/4	UCFL214-44	UC214-44	62.2 13983	44.1 9914	265 10 7/16	216 8 1/2	20 25/32	54 2 1/8	75.4 2 31/32	160 6 5/16	31 1 7/32	30.2 1.189	74.6 2.937	23 29/32	M20 3/4	5.7 12.6
		UCFL214	UC214														
	2 15/16	UCFL215-47	UC215-47														
75		UCFL215	UC215	67.4 15152	48.3 10858	275 12 13/16	225 8 55/64	20 25/32	56 2 1/32	78.5 3 3/32	165 6 1/2	34 1 11/32	33.3 1.311	77.8 3.063	23 29/32	M20 3/4	6.4 14.1
	3	UCFL215-48	UC215-48														
	3 1/8	UCFL216-50	UC216-50														
80		UCFL216	UC216	72.7 16344	53 11915	290 11 13/32	233 9 11/64	20 25/32	58 2 9/32	83.3 3 9/32	180 7 3/32	34 1 11/32	33.3 1.311	82.6 3.252	25 63/64	M22 7/8	7.8 17.2
	3 1/4	UCFL217-52	UC217-52														
		UCFL217	UC217														
85		UCFL217	UC217	84 18884	61.9 13916	305 12	248 9 49/64	22 7/8	63 2 15/32	87.6 3 7/16	190 7 15/32	36 1 27/64	34.1 1.343	85.7 3.374	25 63/64	M22 7/8	9.8 21.6
	3 1/2	UCFL218-56	UC218-56														
		UCFL218	UC218														
90		UCFL218	UC218	96.1 21604	71.5 16074	320 12 19/32	265 10 7/16	23 29/32	68 2 11/16	96.3 3 25/32	205 8 1/16	40 1 37/64	39.7 1.563	96 3.78	25 63/64	M22 7/8	12.3 27.1

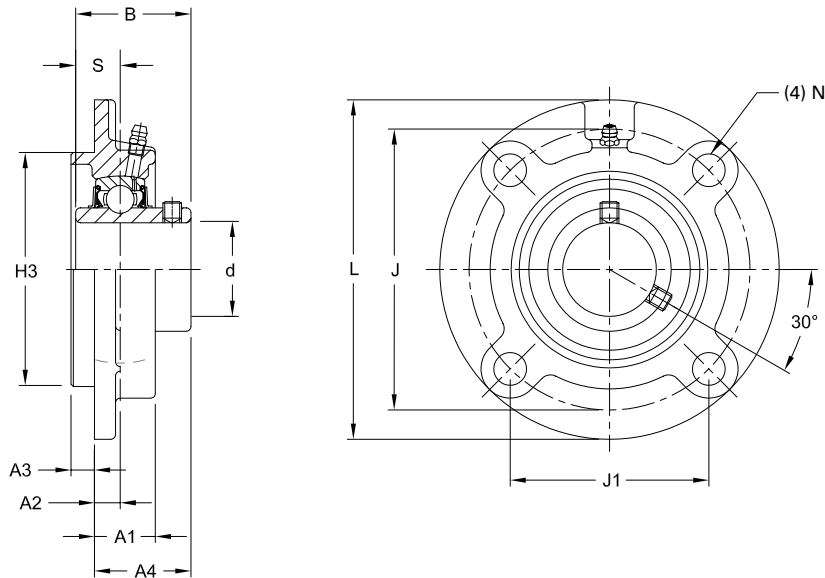
CAST-IRON PILOTED ROUND FLANGED UNITS

UCFC INDUSTRIAL SERIES

- 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.
- Bolt-hole spacing dimensions and shaft center location are interchangeable with competitive units.
- Timken UCFC-series set screw flanged units feature the Timken UC bearing insert.
- Bearing prelubricated and ready for immediate installation.
- Grease fitting supplied for relubrication.
- The bonded seal design is well-suited for industrial applications involving wet or dirty environments.
- Housing designed for ease of bearing replacement.

Shaft Dia. d		Round Flange Cartridge Designation	Bearing Designation	Basic Load Ratings		Dimensions											Bolt Size	Weight
				Dynamic	Static													
				C _r	C _{0r}	L	J	J1	A1	A2	A3	A4	H3	S	B	N		
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	12.80 2878	6.65 1495	100 3 15/16	78 3 9/64	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 1.220	12 15/32	M10 3/8	0.7 1.5
	1/2	UCFC201-8	UC201-8															
15		UCFC202	UC202															
	5/8	UCFC202-10	UC202-10															
17		UCFC203	UC203	14.00 3147	7.85 1765	115 4 17/32	90 3 35/64	63.6 2 1/2	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
	3/4	UCFC204-12	UC204-12															
20		UCFC204	UC204															
	7/8	UCFC205-14	UC205-14															
	15/16	UCFC205-15	UC205-15	19.50 4384	11.30 2540	125 4 29/32	100 3 15/16	70.7 2 1/2	23 29/32	10 25/64	8 5/16	32.2 1 3/16	80 3.150	15.9 0.626	38.1 1.500	12 15/32	M10 3/8	1.3 2.9
25		UCFC205	UC205															
	1	UCFC205-16	UC205-16															
	1 1/8	UCFC206-18	UC206-18															
30		UCFC206	UC206	25.70 5778	15.40 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 3/16	UCFC206-19	UC206-19															
	1 1/4	UCFC206-20	UC206-20															
	1 1/4	UCFC207-20	UC207-20															
	1 5/16	UCFC207-21	UC207-21	29.10 6542	17.80 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 0.748	49.2 1.937	14 35/64	M12 7/16	2.0 4.4
	1 3/8	UCFC207-22	UC207-22															
35		UCFC207	UC207															
	1 7/16	UCFC207-23	UC207-23															
	1 1/2	UCFC208-24	UC208-24	34.10 7666	21.30 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 0.748	49.2 1.937	16 5/8	M14 1/2	2.6 5.7
	1 9/16	UCFC208-25	UC208-25															
40		UCFC208	UC208															
	1 5/8	UCFC209-26	UC209-26															
	1 11/16	UCFC209-27	UC209-27	45														
	1 3/4	UCFC209-28	UC209-28															
		UCFC209	UC209															

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Shaft Dia. d		Round Flange Cartridge Designation	Bearing Designation	Basic Load Ratings		Dimensions											Bolt Size	Weight		
				Dynamic	Static															
				C _r	C _{0r}	L	J	J1	A1	A2	A3	A4	H3	S	B	N				
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	35.10 7891	23.30 5238	165 6 1⁄2	138 5 7⁄16	97.6 3 27⁄32	28 1 3⁄32	10 25⁄64	12 15⁄32	42.6 1 11⁄16	110 4.331	19 0.748	51.6 2.031	16 5⁄8	M14 1⁄2	2.9 6.4		
	1 15⁄16	UCFC210-31	UC210-31																	
50		UCFC210	UC210																	
	2	UCFC210-32	UC210-32	43.40 9757	29.40 6609	185 7 9⁄32	150 5 29⁄32	106.1 4 11⁄64	31 1 7⁄32	13 33⁄64	12 15⁄32	46.4 1 13⁄16	125 4.921	22.2 0.874	55.6 2.189	19 3⁄4	M16 5⁄8	4.2 9.3		
	2	UCFC211-32	UC211-32																	
	2 1⁄8	UCFC211-34	UC211-34																	
55		UCFC211	UC211	52.40 11780	36.20 8138	195 7 11⁄16	160 6 19⁄64	113.1 4 29⁄64	36 1 13⁄32	17 43⁄64	12 15⁄32	56.7 2 7⁄32	135 5.315	25.4 1.000	65.1 2.563	19 3⁄4	M16 5⁄8	5.0 11.0		
	2 3⁄16	UCFC211-35	UC211-35																	
	2 1⁄4	UCFC212-36	UC212-36																	
60		UCFC212	UC212	57.20 12859	40.10 9015	205 8 1⁄16	170 6 11⁄16	120.2 4 47⁄64	36 1 13⁄32	16 5⁄8	14 35⁄64	55.7 2 3⁄16	145 5.709	25.4 1.000	65.1 2.563	19 3⁄4	M16 5⁄8	5.6 12.3		
	2 3⁄8	UCFC212-38	UC212-38																	
	2 7⁄16	UCFC212-39	UC212-39																	
	2 1⁄2	UCFC213-40	UC213-40	62.20 13983	44.10 9914	215 8 15⁄32	177 6 31⁄32	125.1 4 59⁄64	40 1 9⁄16	17 43⁄64	14 35⁄64	61.4 2 13⁄32	150 5.906	30.2 1.189	74.6 2.937	19 3⁄4	M16 5⁄8	6.8 15.0		
65		UCFC213	UC213																	
	2 3⁄4	UCFC214-44	UC214-44																	
70		UCFC214	UC214	67.40 15152	48.30 10858	220 8 21⁄32	184 7 1⁄4	130.1 5 1⁄8	40 1 9⁄16	18 45⁄64	16 5⁄8	62.5 2 15⁄32	160 6.299	33.3 1.311	77.8 3.063	19 3⁄4	M16 5⁄8	7.2 15.9		
	2 15⁄16	UCFC215-47	UC215-47																	
		UCFC215	UC215																	
	3	UCFC215-48	UC215-48	72.70 16344	53.00 11915	240 9 7⁄16	200 7 7⁄8	141.4 5 9⁄16	42 1 20⁄32	18 45⁄64	16 5⁄8	67.3 2 21⁄32	170 6.693	33.3 1.311	82.6 3.252	23 29⁄32	M20 3⁄4	8.7 19.2		
80		UCFC216	UC216																	
	3 1⁄4	UCFC217-52	UC217-52																	
85		UCFC217	UC217	96.10 21604	71.50 16074	265 10 7⁄16	220 8 21⁄32	155.5 6 1⁄8	50 1 31⁄32	22 55⁄64	18 45⁄64	78.3 3 3⁄32	190 7.480	39.7 1.563	96 3.78	23 29⁄32	M20 3⁄4	14.8 32.6		
	3 1⁄2	UCFC218-56	UC218-56																	
90		UCFC218	UC218																	

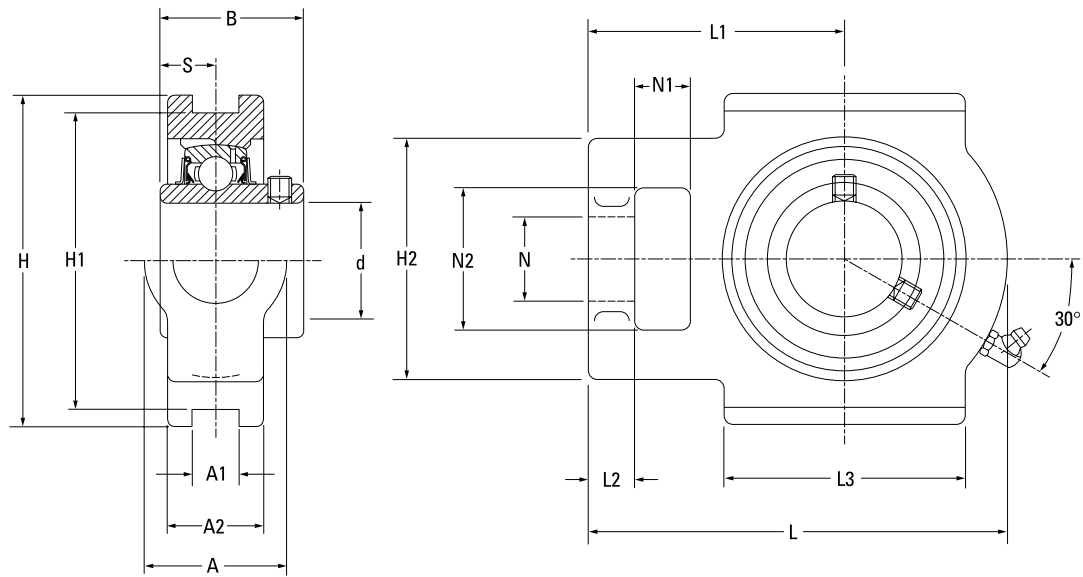
CAST-IRON TAKE-UP UNITS

UCT INDUSTRIAL SERIES

- 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 conveyor 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.
- Bolt-hole spacing dimensions and shaft center location are interchangeable with competitive units.
- Timken UCT-series take-up units feature the Timken UC bearing insert.
- Bearing prelubricated and ready for immediate installation.
- Grease fitting supplied for relubrication.
- The bonded seal design is well-suited for industrial applications involving wet or dirty environments.
- Housing designed for ease of bearing replacement.

Shaft Dia. d		Take-Up Unit Designation	Bearing Designation	Basic Load Ratings		Dimensions															Weight	
				Dynamic	Static																	
				C _r	C _{0r}	H	H1	L2	L1	A2	A	N	L	H2	S	B	L3	N1	N2	A1		
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	6.65 1495	89 3 1/2	76 2 63/64	10 13/32	61 2 13/32	21 13/16	32 1 1/4	19 3/4	94 3 11/16	51 2	12.7 0.500	31 1.220	51 2	16 5/8	32 1 1/4	12 15/32	0.8 1.8	
	1/2	UCT201-8	UC201-8																			
15		UCT202	UC202																			
	5/8	UCT202-10	UC202-10																			
17		UCT203	UC203	14 3147	7.85 1765	89 3 1/2	76 2 63/64	10 13/32	62 2 7/16	24 15/16	32 1 1/4	19 3/4	97 3 13/16	51 2	14.3 0.563	34.1 1.343	51 2	16 5/8	32 1 1/4	12 15/32	0.8 1.9	
	3/4	UCT204-12	UC204-12																			
20		UCT204	UC204																			
	7/8	UCT205-14	UC205-14																			
	15/16	UCT205-15	UC205-15	19.5 4384	11.3 2540	102 4 1/32	89 3 1/2	10 13/32	70 2 3/4	28 1 3/32	37 1 15/32	22 7/8	113 4 7/16	56 2 7/32	15.9 0.626	38.1 1.500	57 2 1/4	16 5/8	37 1 15/32	12 15/32	1.3 2.9	
25		UCT205	UC205																			
	1	UCT205-16	UC205-16																			
	1 1/8	UCT206-18	UC206-18																			
30		UCT206	UC206	25.7 5778	15.4 3462	102 4 1/32	89 3 1/2	13 1/2	78 3 1/16	30 1 3/16	37 1 15/32	22 7/8	129 5 3/32	64 2 17/32	17.5 0.689	42.9 1.689	64 2 17/32	16 5/8	37 1 15/32	12 15/32	1.6 3.5	
	1 3/16	UCT206-19	UC206-19																			
	1 1/4	UCT206-20	UC206-20																			
	1 1/4	UCT207-20	UC207-20																			
	1 5/16	UCT207-21	UC207-21	29.1 6542	17.8 4002	114 4 1/2	102 4 1/64	16 5/8	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 0.748	49.2 1.937	83 3 9/32	19 3/4	49 1 15/16	16 5/8	2.5 5.5	
	1 3/8	UCT207-22	UC207-22																			
35		UCT207	UC207																			
	1 7/16	UCT207-23	UC207-23																			
	1 1/2	UCT208-24	UC208-24	34.1 7666	21.3 4788	117 4 19/32	102 4 1/64	16 5/8	87 3 7/16	35 1 3/8	49 1 15/16	29 1 5/32	144 5 21/32	83 3 9/32	19 0.748	49.2 1.937	83 3 9/32	19 3/4	49 1 15/16	16 5/8	2.5 5.5	
	1 9/16	UCT208-25	UC208-25																			
40		UCT208	UC208																			
	1 5/8	UCT209-26	UC209-26																			
	1 11/16	UCT209-27	UC209-27	45																		
	1 3/4	UCT209-28	UC209-28																			
45		UCT209	UC209																			

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Shaft Dia. d		Take-Up Unit Designation	Bearing Designation	Basic Load Ratings		Dimensions															Weight
				Dynamic C _r	Static C _{0r}	H	H1	L2	L1	A2	A	N	L	H2	S	B	L3	N1	N2	A1	
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																		
50		UCT210	UC210	35.1 7891	23.3 5238	117 4 19/32	102 4 1/64	16 5/8	90 3 17/32	37 1 15/32	49 1 15/16	29 1 5/32	149 5 7/8	83 3 9/32	19 0.748	51.6 2.031	86 3 3/8	19 3/4	49 1 15/16	16 5/8	2.6 5.7
	2	UCT210-32	UC210-32																		
	2	UCT211-32	UC211-32																		
	2 1/8	UCT211-34	UC211-34	43.4 9757	29.4 6609	146 5 3/4	130 5 1/8	19 3/4	106 4 3/16	38 1 1/2	64 2 17/32	35 1 3/8	171 6 23/32	102 4 1/32	22.2 0.874	55.6 2.189	95 3 3/4	25 31/32	64 2 17/32	22 55/64	4.0 8.8
55		UCT211	UC211																		
	2 3/16	UCT211-35	UC211-35																		
	2 1/4	UCT212-36	UC212-36																		
60		UCT212	UC212	52.4 11780	36.2 8138	146 5 3/4	130 5 1/8	19 3/4	119 4 11/16	42 1 21/32	64 2 17/32	35 1 3/8	194 7 5/8	102 4 1/32	25.4 1.000	65.1 2.563	102 4 1/32	32 1 1/4	64 2 17/32	22 55/64	4.9 10.8
	2 3/8	UCT212-38	UC212-38																		
	2 7/16	UCT212-39	UC212-39																		
	2 1/2	UCT213-40	UC213-40	57.2 12859	40.1 9015	167 6 9/16	151 5 15/16	21 13/16	137 5 13/32	44 1 23/32	70 2 3/4	41 1 5/8	224 8 13/16	111 4 3/8	25.4 1.000	65.1 2.563	121 4 3/4	32 1 1/4	70 2 3/4	26 1 1/32	6.9 15.2
65		UCT213	UC213																		
	2 3/4	UCT214-44	UC214-44	62.2 13983	44.1 9914	167 6 9/16	151 5 15/16	21 13/16	137 5 13/32	46 1 13/16	70 2 3/4	41 1 5/8	224 8 13/16	111 4 3/8	30.2 1.189	74.6 2.937	121 4 3/4	32 1 1/4	70 2 3/4	26 1 1/32	7.0 15.4
70		UCT214	UC214																		
	2 15/16	UCT215-47	UC215-47	67.4 15152	48.3 10858	167 6 9/16	151 5 15/16	21 13/16	140 5 1/2	48 1 7/8	70 2 3/4	41 1 5/8	232 9 1/8	111 4 3/8	33.3 1.331	77.8 3.063	121 4 3/4	32 1 1/4	70 2 3/4	26 1 1/32	7.3 16.1
75		UCT215	UC215																		
	3	UCT215-48	UC215-48																		
	3 1/8	UCT216-50	UC216-50	72.7 16344	53 11915	184 7 1/4	165 6 1/2	21 13/16	140 5 1/2	51 2	70 2 3/4	41 1 5/8	235 9 1/4	111 4 3/8	33.3 1.331	82.6 3.252	121 4 3/4	32 1 1/4	70 2 3/4	26 1 1/32	8.2 18.1
80		UCT216	UC216																		
	3 1/4	UCT217-52	UC217-52	84 18884	61.9 13916	198 7 25/32	173 6 13/16	29 1 5/32	162 6 3/8	54 2 1/8	73 2 7/8	48 1 7/8	260 10 1/4	124 4 7/8	34.1 1.343	85.7 3.374	157 6 3/16	38 1 1/2	73 2 7/8	30 1 3/16	11 24.3
85		UCT217	UC217																		

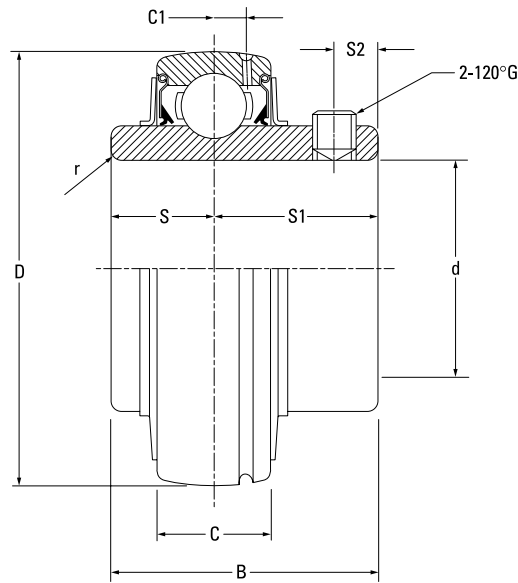
WIDE INNER RING BALL BEARINGS

UC INDUSTRIAL SERIES

- 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 r (min.)	Set Screw Size G	Weight
		Dynamic C _r	Static C _{0r}	D	C	B	S2	C1	S	S1			
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	UC201	12.8 2878	6.65 1495	47 1.850	16 0.630	31 1.220	5 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
1/2	UC201-8											1/4-28UNF	
15	UC202											M6×0.75	
5/8	UC202-10	12.8 2878	6.65 1495	47 1.850	16 0.630	31 1.220	5 0.197	3.9 0.153	12.7 0.500	18.3 0.720	1 0.039	1/4-28UNF	0.2 0.5
17	UC203											M6×0.75	
3/4	UC204-12											1/4-28UNF	
20	UC204	14 3147	7.85 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	M6×0.75	0.2 0.5
7/8	UC205-14											1/4-28UNF	
25	UC205											M6×0.75	
15/16	UC205-15	19.5 4385	11.3 2540	62 2.441	19 0.748	38.1 1.500	6 0.236	5 0.197	15.9 0.626	22.2 0.874	1 0.039	1/4-28UNF	0.3 0.7
1	UC205-16											1/4-28UNF	
1 1/8	UC206-18											1/4-28UNF	
30	UC206	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	M6×0.75	0.5 1.1
1 3/16	UC206-19											1/4-28UNF	
1 1/4	UC206-20											1/4-28UNF	
1 1/4	UC207-20	29.1 6542	17.8 4002	80 3.150	21 0.827	49.2 1.937	8 0.315	5.9 0.232	19 0.748	30.2 1.189	1.1 0.043	5/16-24UNF	0.7 1.5
1 5/16	UC207-21											5/16-24UNF	
1 3/8	UC207-22											5/16-24UNF	
35	UC207	34.1 7666	21.3 4788	85 3.346	22 0.866	49.2 1.937	8 0.315	6 0.236	19 0.748	30.2 1.189	1.1 0.043	M8×1	0.8 1.8
1 7/16	UC207-23											5/16-28UNF	
1 1/2	UC208-24											5/16-24UNF	
1 9/16	UC208-25	34.1 7666	21.3 4788	85 3.346	22 0.866	49.2 1.937	8 0.315	6 0.236	19 0.748	30.2 1.189	1.1 0.043	5/16-24UNF	0.8 1.8
40	UC208											M8×1	
1 5/8	UC209-26											5/16-24UNF	
1 11/16	UC209-27	34.1 7666	21.3 4788	85 3.346	22 0.866	49.2 1.937	8 0.315	6 0.236	19 0.748	30.2 1.189	1.1 0.043	5/16-24UNF	0.8 1.8
1 3/4	UC209-28											5/16-24UNF	
45	UC209											M8×1	

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Shaft Dia. d	Bearing Designation	Basic Load Ratings		Dimensions								Min. Fillet Radius r (min.)	Set Screw Size G	Weight
		Dynamic C _r	Static C _{0r}	D	C	B	S2	C1	S	S1				
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	UC210-30	35.1 7891	23.3 5238	90 3.543	24 0.945	51.6 2.031	9 0.354	6 0.236	19 0.748	32.6 1.283	1.1 0.043	3/8-24UNF	M10×1.25	0.9 2.0
1 15/16	UC210-31													
2	UC210-32													
2	UC211-32	43.4 9757	29.4 6609	100 3.937	25 0.984	55.6 2.189	9 0.354	7 0.276	22.2 0.874	33.4 1.315	1.5 0.059	3/8-24UNF	M10×1.25	1.3 2.8
2 1/8	UC211-34													
2 3/16	UC211-35													
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	M10×1.25	1.7 3.7
2 3/8	UC212-38													
2 7/16	UC212-39													
2 1/2	UC213-40	57.2 12859	40.1 9015	120 4.724	28 1.102	65.1 2.563	12 0.472	7.5 0.295	25.4 1.000	39.7 1.563	1.5 0.059	1/2-20UNF	M12×1.5	1.9 4.3
2 3/4	UC214-44													
2 15/16	UC215-47													
3	UC215-48	72.7 16344	53 11915	140 5.512	33 1.299	82.6 3.252	14 0.551	8.9 0.350	33.3 1.311	49.3 1.941	2 0.079	1/2-20UNF	M12×1.5	2.8 6.3
3 1/8	UC216-50													
3 1/4	UC217-52													
3 1/2	UC218-56	96.1 21604	71.5 16074	160 6.299	38 1.496	96 3.780	15 0.591	11.1 0.437	39.7 1.563	56.3 2.217	2 0.079	1/2-20UNF	M12×1.5	4.5 9.9
3 5/8	UC218													

TIMKEN OFFERS A WIDE RANGE OF HOUSED UNITS THAT HANDLE DEMANDING INDUSTRIAL OPERATIONS

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- Aggregate/Cement
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- Food and Beverage Processing
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- Movable Bridges/Structures
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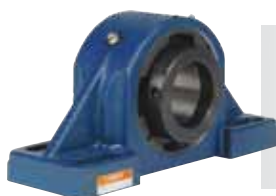
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