

NTN

NTN corporation

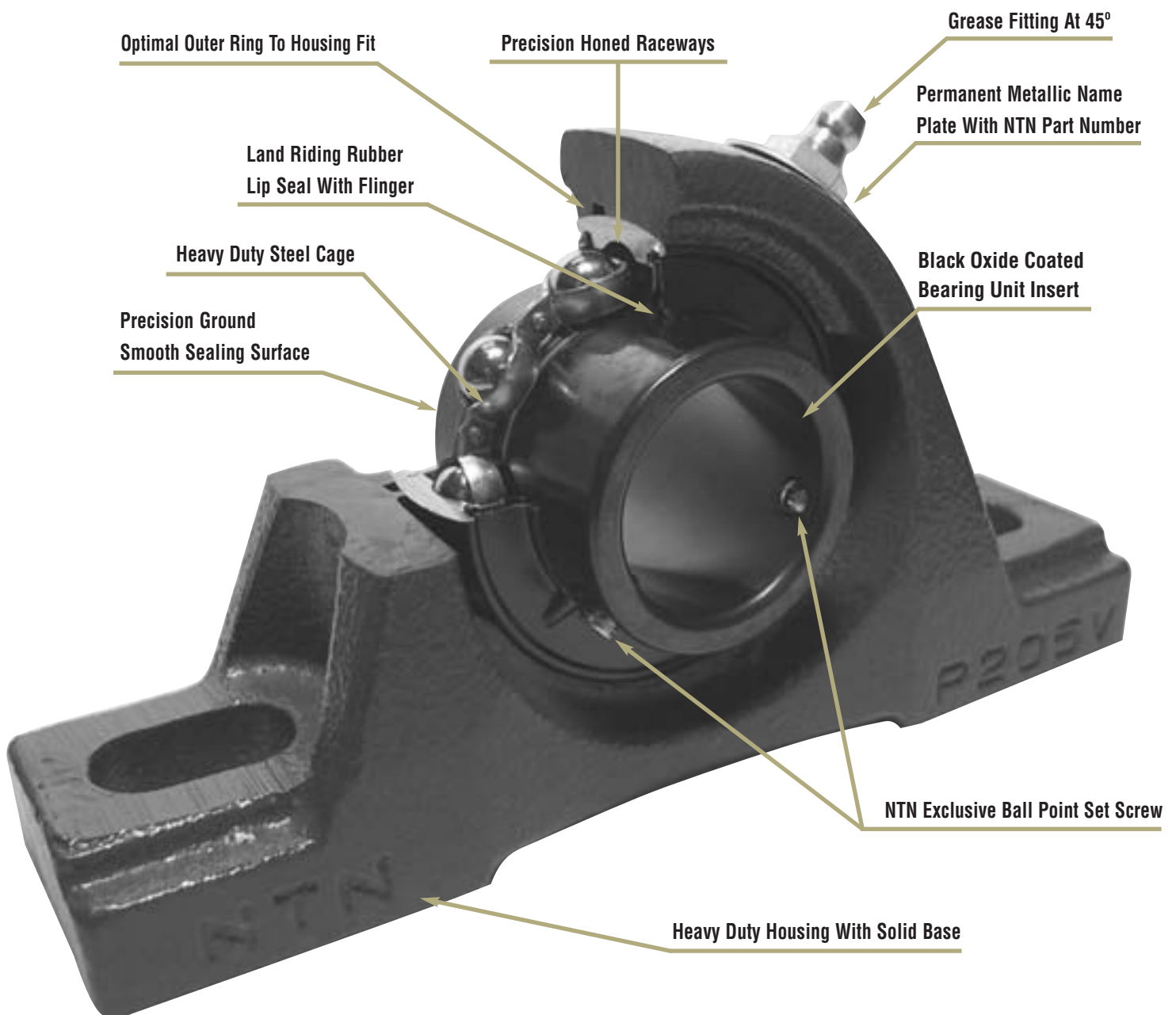
ULTRA-CLASS BEARING UNITS



CAT.No. A-1400-V

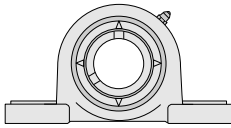
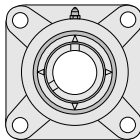
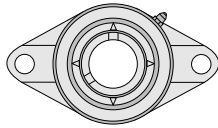
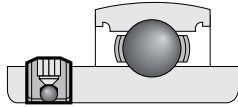
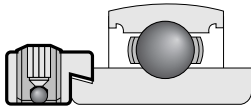
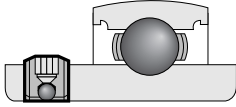
Ultra-Class Mounted Units

NTN's Ultra-Class is a feature rich high performance ball bearing mounted unit.



The same quality as NTN's world class electric motor ball bearings in a mounted unit.

Product Line Ultra-Class

HOUSING BEARING INSERT					
Unit Type	Type of Mounting	Pillow Block		4 Bolt Square Flange	2 Bolt Flange
		High Base	Low Base		
Standard Duty (200-series)					
	Set Screw	UCP	UCPL	UCFU	UCFLU
	Eccentric Collar	UELP	UELPL	UELFU	UELFLU
Medium Duty (X-series)					
	Set Screw	UCPX		UCFUX	UCFLUX

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Technical Data Ultra-Class

Bearing units are used in many industrial applications because they are:

1. Versatile—carry radial, axial, and combination loads
2. Easy to mount—slip fit with shaft
3. Simple design—complete with housing ready for mounting

APPLICATIONS SUITABLE FOR ULTRA-CLASS MOUNTED UNIT BEARINGS

• chain drives	• power transmissions
• belt drives	• mail handling equipment
• fans & blowers	• food processing equipment
• conveyors	• textile equipment
• baggage handlers	• mining equipment

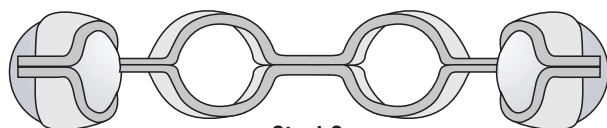
ELECTRIC MOTOR QUALITY INSERT BEARINGS

One of the most important factors that determines the life of the bearing is the cleanliness of the steel. NTN uses high carbon through hardened steel purified using a vacuum degassing process with stringent quality control to achieve optimum hardness and micro structure.

NTN Ultra-Class bearings are consistently manufactured to tight tolerances for concentricity and roundness. When combined with the cage design, cage quality, and overall cleanliness, these bearings provide greater accuracy of shaft rotation, quiet operation, longer bearing life and contribute to higher speed capability.

NTN electric motor bearings are an example of bearings manufactured to such tight tolerances. The same attention to precision manufacturing of top quality electric motor bearings is extended to NTN insert bearings for mounted units. NTN has developed manufacturing equipment for in-house use that makes it possible to consistently select and control bearing tolerances that far exceed ABMA and ISO standards. Furthermore, this manufacturing equipment employs technology that insures this extremely high degree of tolerances; and dimensional consistency is maintained from lot to lot, on a day in and day out basis.

Ultra-Class inserts feature a black oxide coating to prevent corrosion and extend bearing life. Bearing surfaces coated with black oxide film include the inner ring, outer ring, flinger and set screws. The tough black oxide finish enhances corrosion resistance by creating a corrosion-resistant barrier to protect the steel surface from all types of corrosive environments.



Steel Cage

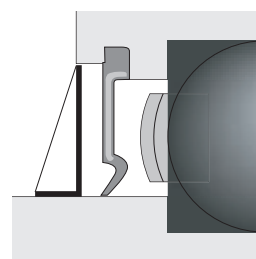
CAGE MATERIAL

NTN wide inner ring units use precision steel cages. The stamped steel cage makes them suitable for wide temperature range applications.

SEALS

Flinger / Seal

Ultra-Class inserts utilize a full contact molded rubber seal that is bonded to a steel backing plate. The seal lip rides on the inner ring which has been precision ground to provide a very smooth contacting surface.



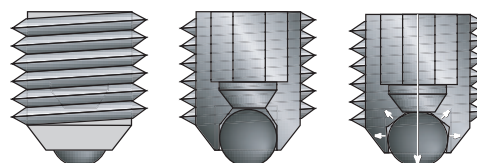
Flinger Seal

The metal flinger that protects the seal lip is pressed onto the inner ring. There are triangular fins (protrusions) on the outside face of the flinger; these fins create an outward flow of air from the bearing as the bearing rotates. In this way, the flinger acts as a fan which keeps dust and water away from the bearing. The labyrinth effect between the flinger/seal combination is very effective in highly contaminated applications.

BALL POINT SET SCREW

The ball point set screw is an NTN exclusive design. The design features a hardened steel ball (HRC 62) that is retained in the end of the set screw. This set screw has several advantages over competitive set screw designs.

Difficult to work loose—Upon tightening, the steel ball is squeezed back into the tapered portion of the set screw, causing the threads to spread. This expansion of the threads makes it extremely difficult for the set screw to loosen when exposed to vibration and/or shock loads.



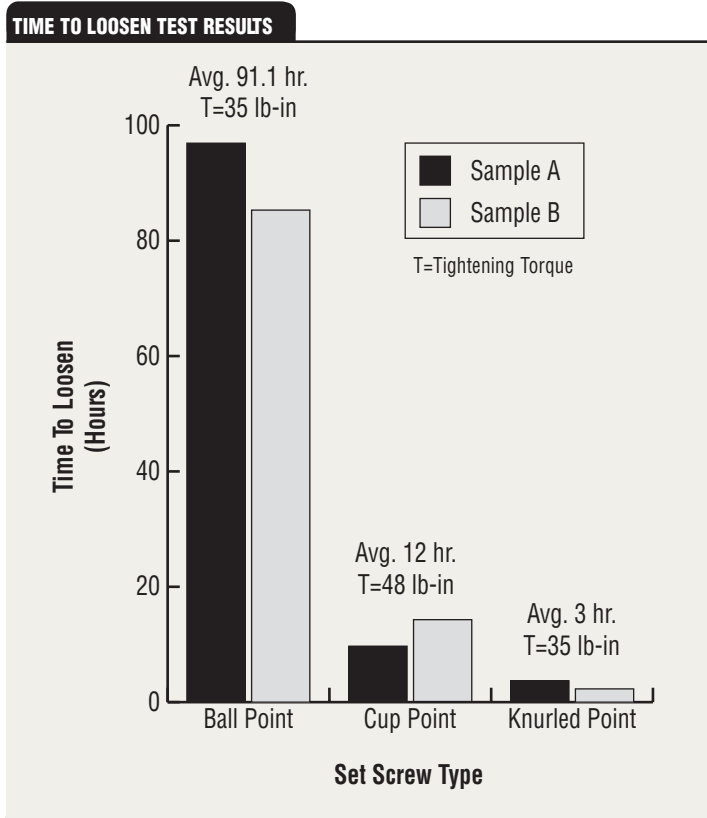
Develops larger holding force—the ball point set screw makes a point contact

with the shaft allowing easy tightening and complete transmission of force to the shaft. The cup point and knurled cup point on the other hand make a circular contact with the shaft. In those designs, a portion of the tightening torque is used for cutting a circular groove on the shaft, effectively reducing the holding force.

Can be used repeatedly—The hardened steel ball does not deform when tightened. Additionally, it only leaves a small contact print on the shaft. The cup point set screw not only marks the shaft, but the screw itself becomes damaged, making it difficult to retighten if removed.

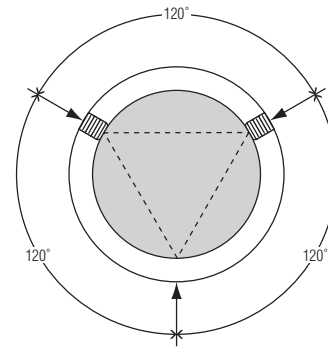
Needs no flat on the shaft—The ball point set screw makes a point contact and therefore does not require a flat on the shaft. The cup point set screw cannot make full contact unless there is a flat machined onto the shaft.

Reduced fretting corrosion at the tip of the set screw—Due to the hardened steel ball of the ball point set screw, fretting corrosion is considerably reduced. Cup point and knurled cup point set screws can cause substantially more fretting since they are generally not hardened.



Set Screw Spacing

Units using the set screw locking method have the set screws spaced 120° apart. As the set screws are tightened to mount the bearing on the shaft, holding forces between the inner ring and shaft are created at three points. This develops higher holding force, more uniform mounting and less inner ring distortion. This results in quieter bearing operation and longer bearing life.



HOUSINGS

Heavy Duty With Solid Base

NTN mounted units have a solid base which dampens vibration by providing smooth and rigid mounting for the bearing. Stress in the feet of the pillow block due to bolt tension is also reduced and the chance of cracking is minimized.

Housings are made of high grade cast iron and designed to provide high rigidity and strength for heavy load applications. All housings are electrostatically painted using machinery gray powder paint. The electrostatic paint provides long term durability and resists rust and corrosion.

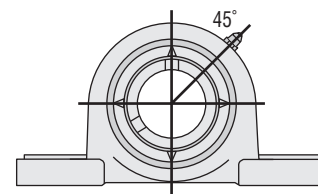
Housing deflections often create high stress in the bearing due to uneven load distribution and misalignment. NTN Ultra-Class housings are designed to provide rigid mounting for the bearing insert and minimize the effects of housing deflection.

Location of Grease Fitting

In NTN Ultra-Class pillow blocks the grease fitting is located at a 45° angle as standard. This makes re-greasing much easier in machinery located at high elevations or where the space is limited. The chances of accidental shearing of the grease fitting are also minimized.

Housing/Outer Ring Fit To Tighter Tolerances

The housing bore and outside diameter of the outer ring are manufactured to tight tolerances. This results in a precise fit between the two surfaces to provide proper insert bearing alignment inside the housing



making the unit more forgiving to misalignment. The housing/outer ring fit made to tighter tolerances eliminates the need for anti-rotation devices used by other manufacturers.

Metallic Name Plate

All NTN Ultra-Class units have a metallic name plate showing the complete part number for the unit. This name plate provides a permanent and durable part number identification for the unit which helps in finding the correct replacement bearing.

BASIC LOAD RATING AND LIFE

Basic Rated Life and Basic Dynamic Load Rating

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

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

The relationship between the basic rated life, the basic dynamic load rating and the applied load is given in the following formula.

$$L_{10h} = \frac{10^6}{60 \cdot n} \left(\frac{C_r}{P_r} \right)^3 \quad P_r = X \cdot F_r + Y \cdot F_a$$

L_{10h} : Basic rated life (hours)

C_r : Basic dynamic rating (lbf)

P_r : Equivalent radial load (lbf)

n : Rotational speed (rpm)

F_r : Radial load (lbf)

F_a : Axial load (lbf)

X : Radial factor

Y : Axial factor

Values of X and Y are shown in the following table. When only radial load is involved, or when $F_a / F_r \leq e$, the values of X and Y will be 1 and 0 respectively, resulting in the following equation.

$$P_r = F_r$$

VALUES OF X AND Y APPLYING WHEN $\frac{F_a}{F_r} > e$

$\frac{F_a}{C_{or}}$	e	$\frac{F_a}{F_r} > e$	
		X	Y
0.010	0.18	0.56	2.46
0.020	0.20	0.56	2.14
0.040	0.24	0.56	1.83
0.070	0.27	0.56	1.61
0.10	0.29	0.56	1.48
0.15	0.32	0.56	1.35
0.20	0.35	0.56	1.25
0.30	0.38	0.56	1.13
0.40	0.41	0.56	1.05
0.50	0.44	0.56	1.00

Note: C_{or} is the basic rated static load. When the value of $\frac{F_a}{C_{or}}$ or $\frac{F_a}{F_r}$ is not in conformity with those given in the table above, find the value by interpolation.

MOUNTING GUIDELINES

The following are general guidelines for shaft-mounting a bearing unit.

Set Screw

1. Make sure the support for the bearing unit is rigid and the surface where the unit is going to be mounted is clean and flat.
2. Make sure that the end of the set screw is not protruding into the bore of the bearing insert. Also, make sure that the end of the shaft is free of any burrs.
3. Insert the shaft into the bore of the bearing. (Fig. 1)
4. Do not strike the seal or subject the unit to any shock loads.
5. Mount the housing using bolts recommended in this catalog. (Fig. 2)
6. Insert a wrench securely into the hole of the set screw, and tighten the two screws uniformly (Fig. 3). Use the tightening torque specified in this catalog.

RECOMMENDED SET SCREW TORQUE FOR SET SCREW MOUNTING METHOD

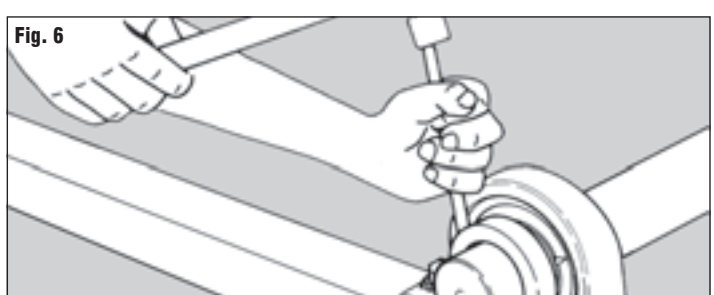
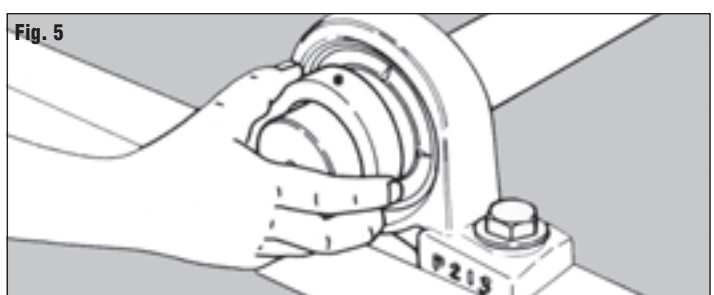
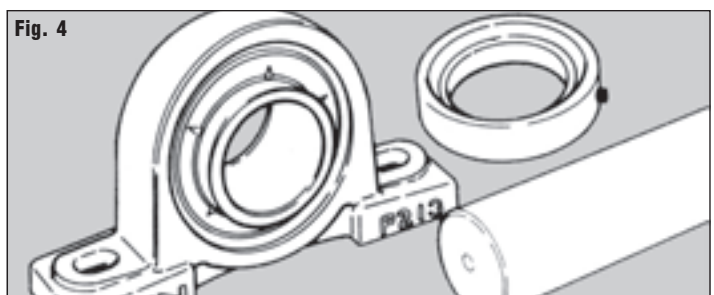
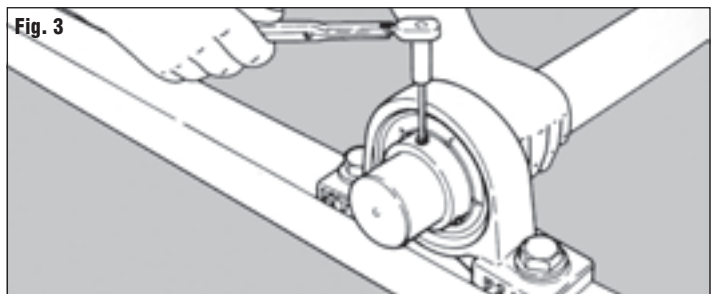
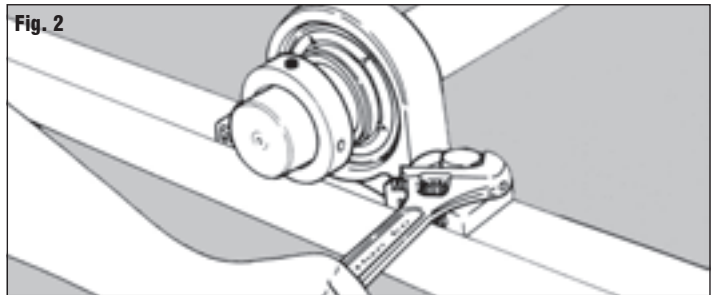
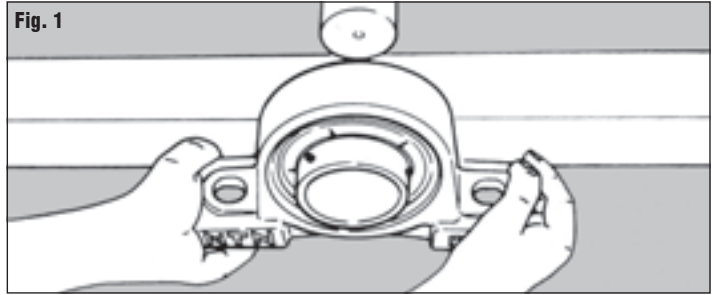
Shaft size (inch)	Designation Of Set Screw	Tightening torques lbf-inch (max)
$\frac{1}{2}$ - 1	No. 10-32UNF	34
$1 \frac{1}{16}$ - $1 \frac{1}{4}$ S	$\frac{1}{4}$ - 28 UNF	43
$1 \frac{1}{4}$ - $1 \frac{7}{16}$	$\frac{1}{4}$ - 28 UNF	52
$1 \frac{1}{2}$ - 2S	$\frac{5}{16}$ - 24UNF	69
2 - $2 \frac{3}{16}$	$\frac{5}{16}$ - 24UNF	86
$2 \frac{1}{4}$ - $2 \frac{7}{16}$	$\frac{3}{8}$ - 24UNF	147
$2 \frac{1}{2}$ - 3	$\frac{3}{8}$ - 24UNF	173
$3 \frac{1}{16}$ - $3 \frac{3}{16}$	$\frac{3}{8}$ - 24UNF	199
$3 \frac{1}{4}$ - $3 \frac{1}{2}$	$\frac{1}{2}$ - 20UNF	260

Eccentric Locking Collar

1. Make sure the support for the bearing unit is rigid and the surface where the unit is going to be mounted is clean and flat.
2. Make sure that the end of the set screw is not protruding into the bore of the collar. Also, make sure that the end of the shaft is free of any burrs. (Fig. 4)
3. Insert the shaft into the bore of the bearing. (Fig. 1)
4. Mount the housing of the unit using bolts recommended in this catalog. (Fig. 2)
5. Align the groove on the collar with the groove on the bearing inner ring.
6. Turn the collar by hand in the direction of shaft rotation. (Fig. 5)
7. To set the collar, insert a punch into the hole in the O.D. of the collar. Tap the punch so that the collar turns in the direction of shaft rotation. (Fig. 6)
8. Fasten the set screw of the eccentric collar onto the shaft. Use torque values provided in this catalog.

RECOMMENDED SET SCREW TORQUE FOR ECCENTRIC LOCKING COLLAR

Shaft Size (inches)	Designation Of Set Screw	Tightening Torques lbf-inch (max)
1/2 - 1	1/4-28UNF	69
1 1/16 - 1 1/4S	5/16-24UNF	86
1 1/4 - 1 7/16	3/8-24UNF	104
1 1/2 - 2S	3/8-24UNF	138
2 - 2 3/16	3/8-24UNF	173
2 1/4 - 3	3/8-24UNF	260



SPEED RATING

Speed is governed by various factors including: size; seal type; and load. The maximum permissible speed can be found in the following table.

standard duty shaft size [in.]	medium duty shaft size [in.]	max. permissible speed [RPM]
$\frac{1}{2}$, $\frac{9}{16}$, $\frac{5}{8}$, $\frac{11}{16}$		7800
$\frac{3}{4}$		6450
$\frac{13}{16}$, $\frac{7}{8}$, $\frac{15}{16}$, 1		5600
1 $\frac{1}{16}$, 1 $\frac{1}{8}$, 1 $\frac{3}{16}$, 1 $\frac{1}{4}$ S	$\frac{13}{16}$, $\frac{7}{8}$, $\frac{15}{16}$, 1	4650
1 $\frac{1}{4}$, 1 $\frac{5}{16}$, 1 $\frac{3}{8}$, 1 $\frac{7}{16}$	1 $\frac{1}{16}$, 1 $\frac{1}{8}$, 1 $\frac{3}{16}$, 1 $\frac{1}{4}$	4000
1 $\frac{1}{2}$, 1 $\frac{9}{16}$	1 $\frac{5}{16}$, 1 $\frac{3}{8}$, 1 $\frac{7}{16}$	3550
1 $\frac{5}{8}$, 1 $\frac{11}{16}$, 1 $\frac{3}{4}$	1 $\frac{1}{2}$, 1 $\frac{9}{16}$	3300
1 $\frac{13}{16}$, 1 $\frac{7}{8}$, 1 $\frac{15}{16}$, 2S	1 $\frac{5}{8}$, 1 $\frac{11}{16}$, 1 $\frac{3}{4}$, 1 $\frac{13}{16}$	3050
2, 2 $\frac{1}{16}$, 2 $\frac{1}{8}$, 2 $\frac{3}{16}$	1 $\frac{7}{8}$, 1 $\frac{15}{16}$, 2	2750
2 $\frac{1}{4}$, 2 $\frac{5}{16}$, 2 $\frac{3}{8}$, 2 $\frac{7}{16}$	2 $\frac{1}{16}$, 2 $\frac{1}{8}$, 2 $\frac{3}{16}$, 2 $\frac{1}{4}$, 2 $\frac{5}{16}$	2450
2 $\frac{1}{2}$, 2 $\frac{9}{16}$	2 $\frac{3}{8}$	2300
2 $\frac{5}{8}$, 2 $\frac{11}{16}$, 2 $\frac{3}{4}$	2 $\frac{7}{16}$, 2 $\frac{1}{2}$, 2 $\frac{9}{16}$	2150
2 $\frac{13}{16}$, 2 $\frac{7}{8}$, 2 $\frac{15}{16}$, 3	2 $\frac{5}{8}$, 2 $\frac{11}{16}$, 2 $\frac{3}{4}$	2000
	2 $\frac{13}{16}$, 2 $\frac{7}{8}$, 2 $\frac{15}{16}$, 3	1900
	3 $\frac{3}{16}$	1750
	3 $\frac{7}{16}$, 3 $\frac{1}{2}$	1300

GREASE THICKENER COMPATIBILITY

When relubricating a bearing unit, it is essential to choose a clean lubricant compatible with the grease already in the bearing. Whether or not different kinds of grease may be mixed depends on the thickening agents used. Mixing different types of grease can affect key properties and affect the grease's performance. If these key properties are diminished, the grease can become ineffective, leading to premature bearing failure. Refer to the table below for grease thickener compatibility.

	Aluminum Complex	Barium	Calcium	Calcium 12-Hydroxy	Calcium Complex	Clay	Lithium	Lithium 12-Hydroxy	Lithium Complex	Polyurea
Aluminum Complex	●	■	■	●	■	■	■	■	●	■
Barium	■	●	■	●	■	■	■	■	■	■
Calcium	■	■	●	●	■	●	●	▲	●	■
Calcium 12-Hydroxy	●	●	●	●	▲	●	●	●	●	■
Calcium Complex	■	■	■	▲	●	■	■	■	●	●
Clay	■	■	●	●	■	●	■	■	■	■
Lithium	■	■	●	●	■	■	●	●	●	■
Lithium 12-Hydroxy	■	■	▲	●	■	■	●	●	●	■
Lithium Complex	●	■	●	●	●	■	●	●	●	■
Polyurea	■	■	■	■	●	■	■	■	■	●

- mixing will not produce any appreciable change of properties
- mixing may produce considerable variation of properties
- ▲ mixing will cause drastic variation of properties

STANDARD RELUBRICATION INTERVALS

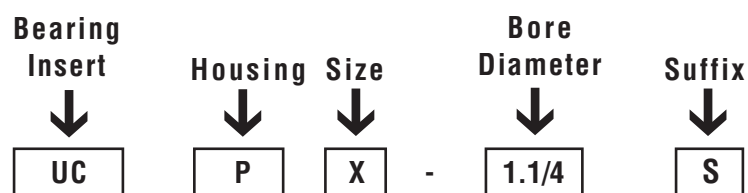
The standard grease chosen by NTN for ball bearing mounted units is Shell Alvania® S3. This is a lithium 12-hydroxy based product that maintains proper lubrication over a wide range of operating temperatures (-4°F to 275°F). NTN customers may specify different greases and/or grease fills, if desired.

The standard factory grease fill is 35% for most NTN inserts. This fill will accommodate most applications. For bearings known to rotate at high speeds, the grease fill should be reduced to prevent excessive heat generation.

dn Value [bore (mm) x speed (rpm)]	Environmental Conditions	Operating Temperature		Relubrication Interval	
		°C	°F	Hours	Period
40,000 and below	Ordinary	-15 to +80	+5 to +176	1,550 to 3,000	6 to 12 months
70,000 and below	Ordinary	-15 to +80	+5 to +176	1,000 to 2,000	3 to 6 months
70,000 and below	Ordinary	+80 to +100	+176 to +212	500 to 700	1 month
70,000 and below	Very Dusty	-15 to +100	+5 to +212	100 to 500	1 week to 1 month
70,000 and below	Exposed To Water Splashes	-15 to +100	+5 to +212	30 to 100	1 day to 1 week

Note: These relubrication intervals are general. Specific application conditions may require a variation from this table.

MOUNTED UNITS NUMBERING SYSTEM



1. BEARING INSERT

UC: Wide inner ring, set screw type
 UEL: Wide inner ring, locking collar type

2. HOUSING

FLU: Flanged unit, cast housing, 2 bolt
 FU: Flanged unit, cast housing, 4 bolt
 P: Pillow block, cast housing
 PL: Pillow block, cast housing, low center height

3. SIZE

No code: Standard duty
 X: Medium duty

4. BORE DIAMETER

X.X/X: Shaft diameter in inches

5. SUFFIX

S: Small housing
 R: Meets ISO dimensions

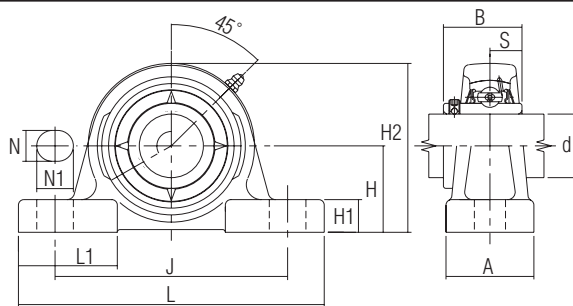
HOUSINGS > ▽ INSERTS			
 UC 2	UCP UCPL	UCFU	UCFLU
 UC X	UCPX	UCFUX	UCFLUX
 UEL 2	UEL UELPL	UELFU	UELFLU

UCP Ultra-Class

Type: pillow block

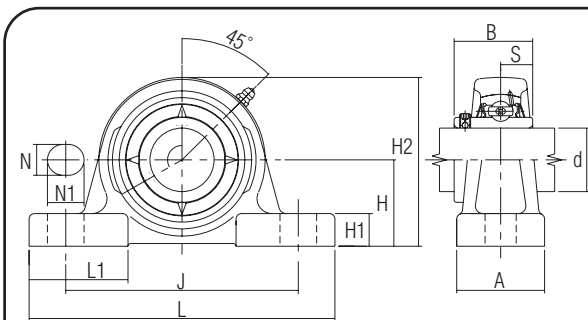
Shaft Height: high base

Mounting Method: set screw



NTN Part Number	Nominal Dimensions (mm)												Bolt Size	Lube Hole of Housing	Insert Bearing Number	Housing Number
	d	H	L	J	A	N	N1	H1	H2	L1	B	S				
UCP-1/2	0.5000															
UCP-9/16	0.5625	1 3/16	5	3 5/8	1 1/2	7/16	7/8	9/16	2 7/16	1 2 1/32	1.0787	0.453	3/8	1/4-28UNF	A-UC201X-008D1 A-UC202X-009D1 A-UC202X-010D1 A-UC203X-011D1	P201D1V50
UCP-5/8	0.6250	(30.2)	(127)	(92.1)	(38)	(11.1)	(22.2)	(14)	(62)	(42)	(27.4)	(11.5)				
UCP-1 1/16	0.6875															
UCP-3/4	0.7500	1 5/16	5	3 25/32	1 1/2	7/16	25/32	9/16	2 9/16	1 2 1/32	1.2205	0.500	3/8	1/4-28UNF	A-UC204-012D1	P204D1V50
UCP-13/16	0.8125															
UCP-7/8	0.8750	1 7/16	5 1/2	4 1/8	1 1/2	7/16	13/16	19/32	2 25/32	1 2 1/32	1.3425	0.563	3/8	1/8-27NPT	A-UC205-013D1 A-UC205-014D1 A-UC205-015D1 A-UC205-100D1	P205D1V50
UCP-15/16	0.9375	(36.5)	(140)	(104.8)	(38)	(11.1)	(20.6)	(15)	(71)	(42)	(34.1)	(14.3)				
UCP-1	1.0000															
UCP-1.1/16	1.0625															
UCP-1.1/8	1.1250	1 1 1/16	6 1/2	4 5/8	1 7/8	9/16	15/16	2 1/32	3 9/32	2 1/8	1.5000	0.626	1/2	1/8-27NPT	A-UC206-1 01D1 A-UC206-102D1 A-UC206-103D1 A-UC206-104D1	P206D1V50
UCP-1.3/16	1.1875	(42.9)	(165)	(117.5)	(48)	(14.3)	(23.8)	(17)	(83)	(54)	(38.1)	(15.9)				
UCP-1.1/4S	1.2500															
UCP-1.1/4	1.2500															
UCP-1.5/16	1.3125	1 7/8	6 9/16	5 1/8	1 7/8	9/16	3 1/32	2 3/32	3 2 1/32	2 1/8	1.6890	0.689	1/2	1/8-27NPT	A-UC207-104D1 A-UC207-105D1 A-UC207-106D1 A-UC207-107D1	P207D1V50
UCP-1.3/8	1.3750	(47.6)	(167)	(130.2)	(48)	(14.3)	(24.6)	(18)	(93)	(54)	(42.9)	(17.5)				
UCP-1.7/16	1.4375															
UCP-1.1/2	1.5000	1 15/16	7 1/4	5 3/8	2 1/8	9/16	1 1/32	2 3/32	3 2 7/32	2 1/16	1.9370	0.748	1/2	1/8-27NPT	A-UC208-108D1 A-UC208-109D1	P208D1V50
UCP-1.9/16	1.5625	(49.2)	(184)	(136.5)	(54)	(14.3)	(26.2)	(18)	(98)	(52)	(49.2)	(19)				
UCP-1.5/8	1.6250															
UCP-1.11/16	1.6875	2 1/8	7 15/32	5 7/8	2 1/8	9/16	1 1/8	2 5/32	4 3/16	2 3/8	1.9370	0.748	1/2	1/8-27NPT	A-UC209-110D1 A-UC209-111D1 A-UC209-112D1	P209D1V50
UCP-1.3/4	1.7500	(54)	(190)	(149.2)	(54)	(14.3)	(28.6)	(20)	(106)	(60)	(49.2)	(19)				
UCP-1.13/16	1.8125															
UCP-1.7/8	1.8750	2 1/4	8 1/8	6 7/32	2 3/8	1 1/16	15/16	1 3/16	4 1/2	2 9/16	2.0315	0.748	5/8	1/8-27NPT	A-UC210-113D1 A-UC210-114D1 A-UC210-115D1 A-UC210-200D1	P210D1V50
UCP-1.15/16	1.9375	(57.2)	(206)	(158)	(60)	(17.5)	(23.8)	(21)	(114)	(65)	(51.6)	(19)				
UCP-2S	2.0000															
UCP-2	2.0000															
UCP-2.1/16	2.0625	2 1/2	8 5/8	6 15/16	2 3/8	2 3/32	1 5/32	2 9/32	4 3 1/32	2 9/16	2.1890	0.874	5/8	1/8-27NPT	A-UC211-200D1 A-UC211-201D1 A-UC211-202D1 A-UC211-203D1	P211D1V50
UCP-2.1/8	2.1250	(63.5)	(219)	(176.2)	(60)	(18.3)	(29.4)	(23)	(126)	(65)	(55.6)	(22.2)				
UCP-2.3/16	2.1875															
UCP-2.1/4	2.2500															
UCP-2.5/16	2.3125	2 3/4	9 1/2	7 13/32	2 3/4	2 3/32	1 5/32	3 1/32	5 7/16	2 3/4	2.5630	1.000	5/8	1/8-27NPT	A-UC212-204D1 A-UC212-205D1 A-UC212-206D1 A-UC212-207D1	P212D1V50
UCP-2.3/8	2.3750	(69.8)	(241)	(188.1)	(70)	(18.3)	(29.4)	(25)	(138)	(70)	(65.1)	(25.4)				
UCP-2.7/16	2.4375															
UCP-2.1/2	2.5000	3	10 7/16	8	2 3/4	3 1/32	1 3/32	1 1/16	5 15/16	3 1/32	2.5630	1.000	3/4	1/8-27NPT	A-UC213-208D1 A-UC213-209D1	P213D1V50
UCP-2.9/16	2.5625	(76.2)	(265)	(203)	(70)	(25)	(28)	(27)	(151)	(77)	(65.1)	(25.4)				
UCP-2.5/8 R	2.6250															
UCP-2.11/16 R	2.6875	3 1/8	10 15/32	8 9/32	2 27/32	3 1/32	1 3/32	1 1/16	6 3/16	3 1/32	2.9370	1.189	3/4	1/8-27NPT	A-UC214-210D1 A-UC214-2011D A-UC214-2012D	P214D1V60
UCP-2.3/4 R	2.7500	(79.4)	(266)	(210)	(72)	(25)	(28)	(27)	(157)	(77)	(74.6)	(30.2)				
UCP-2.13/16	2.8125															
UCP-2.7/8	2.8750	3 1/4	10 13/16	8 1/2	2 29/32	7/8	1 1/4	1 3/32	6 13/32	3 5/32	3.0630	1.311	3/4	1/8-27NPT	A-UC215-213D1 A-UC215-214D1 A-UC215-215D1 A-UC215-300D1	P215D1V50
UCP-2.15/16	2.9375	(82.6)	(275)	(215.9)	(74)	(22.2)	(31.8)	(28)	(163)	(80)	(77.8)	(33.3)				
UCP-3	3.0000															

*Note: Metric sizes available. Please consult NTN for availability.



Ultra-Class

UCPX

Type: pillow block

Shaft Height: high base

Mounting Method: set screw

NTN Part Number	Nominal Dimensions (mm)												Bolt Size	Lube Hole of Housing	Insert Bearing Number	Housing Number
	d	H	L	J	A	N	N1	H1	H2	L1	B	S				
UCPX- ¹³ / ₁₆	0.8125															
UCPX- ⁷ / ₈	0.8750	1 ¹¹ / ₁₆	6 ¹ / ₂	4 ⁵ / ₈	1 ⁷ / ₈	⁹ / ₁₆	¹⁵ / ₁₆	²¹ / ₃₂	3 ⁹ / ₃₂	2 ¹ / ₈	1.500	0.626	1/2	1/8-27UNF	A-UCX05-013D1 A-UCX05-014D1 A-UCX05-015D1 A-UCX05-100D1	P206D1V50
UCPX- ¹⁵ / ₁₆	0.9375	(42.9)	(165)	(117.5)	(48)	(14.3)	(23.8)	(17)	(83)	(54)	(38.1)	(15.9)				
UCPX-1	1.0000															
UCPX-1. ¹ / ₁₆	1.0625	1 ⁷ / ₈	6 ⁹ / ₁₆	5 ¹ / ₈	1 ⁷ / ₈	⁹ / ₁₆	³¹ / ₃₂	²³ / ₃₂	3 ²¹ / ₃₂	2 ¹ / ₈	1.6890	0.689	1/2	1/8-27UNF	A-UCX06-101D1 A-UCX06-102D1 A-UCX06-103D1	P207D1V50
UCPX-1. ¹ / ₈	1.1250	(47.6)	(167)	(130.2)	(48)	(14.3)	(24.6)	(18)	(93)	(54)	(42.9)	(17.5)				
UCPX-1. ³ / ₁₆	1.1875															
UCPX-1. ¹ / ₄	1.2500															
UCPX-1. ⁵ / ₁₆	1.3125	2 ¹ / ₈	7 ¹ / ₁₆	5 ³ / ₈	1 ⁷ / ₈	⁹ / ₁₆	1 ¹ / ₃₂	²⁹ / ₃₂	4 ¹ / ₈	2 ³ / ₈	1.9370	0.748	1/2	1/8-27NPT	A-UC207-104D1 A-UCX07-105D1 A-UCX07-106D1 A-UCX07-107D1	PX07D1V50
UCPX-1. ³ / ₈	1.3750	(54)	(179)	(136.5)	(48)	(14.3)	(26.2)	(23)	(105)	(60)	(49.2)	(19)				
UCPX-1. ⁷ / ₁₆	1.4375															
UCPX-1. ¹ / ₂	1.5000	2 ¹ / ₈	7 ¹⁵ / ₃₂	5 ⁷ / ₈	2 ¹ / ₈	⁹ / ₁₆	1 ¹ / ₈	²⁵ / ₃₂	4 ³ / ₁₆	2 ³ / ₈	1.9370	0.748	1/2	1/8-27NPT	A-UCX08-108D1 A-UCX08-109D1	P209D1V50
UCPX-1. ⁹ / ₁₆	1.5625	(54)	(190)	(149.2)	(54)	(14.3)	(28.6)	(20)	(106)	(60)	(49.2)	(19)				
UCPX-1. ⁵ / ₈	1.6250	2 ¹ / ₄	8 ¹ / ₈	6 ⁷ / ₃₂	2 ³ / ₈	¹¹ / ₁₆	¹⁵ / ₁₆	¹³ / ₁₆	4 ¹ / ₂	2 ⁹ / ₁₆	2.0315	0.748	5/8	1/8-27NPT	A-UCX09-110D1 A-UCX09-111D1 A-UCX09-112D1	P210D1V50
UCPX-1. ¹¹ / ₁₆	1.6875	(57.2)	(206)	(158)	(60)	(17.5)	(23.8)	(21)	(114)	(65)	(51.6)	(19)				
UCPX-1. ³ / ₄	1.7500															
UCPX-1. ¹³ / ₁₆	1.8125															
UCPX-1. ⁷ / ₈	1.8750	2 ¹ / ₂	8 ⁵ / ₈	6 ¹⁵ / ₁₆	2 ³ / ₈	²³ / ₃₂	1 ⁵ / ₃₂	²⁹ / ₃₂	4 ³¹ / ₃₂	2 ⁹ / ₁₆	2.1890	0.874	5/8	1/8-27NPT	A-UC210-113D1 A-UCX10-114D1 A-UCX10-115D1 A-UC211-200D1	P211D1V50
UCPX-1. ¹⁵ / ₁₆	1.9375	(63.5)	(219)	(176.2)	(60)	(18.3)	(29.4)	(23)	(126)	(65)	(55.6)	(22.2)				
UCPX-2	2.0000															
UCPX-2. ¹ / ₁₆	2.0625															
UCPX-2. ¹ / ₈	2.1250	2 ³ / ₄	9 ¹ / ₂	7 ¹³ / ₃₂	2 ³ / ₄	²³ / ₃₂	1 ⁵ / ₃₂	³¹ / ₃₂	5 ⁷ / ₁₆	2 ³ / ₄	2.5630	1.000	5/8	1/8-27NPT	A-UCX11-201D1 A-UCX11-202D1 A-UCX11-203D1 A-UC212-204D1	P212D1V50
UCPX-2. ³ / ₁₆	2.1875	(69.8)	(241)	(188.1)	(70)	(18.3)	(29.4)	(25)	(138)	(70)	(65.1)	(25.4)				
UCPX-2. ¹ / ₄	2.2500															
UCPX-2. ⁷ / ₁₆	2.4375	3	10 ¹⁵ / ₃₂	8	2 ²⁷ / ₃₂	¹³ / ₁₆	1 ³ / ₈	1 ¹ / ₁₆	6 ¹ / ₁₆	3 ¹ / ₃₂	2.9370	1.189	3/4	1/8-27NPT	A-UC214-207D1 A-UCX13-208D1 A-UCX13-209D1	PL214D1V50
UCPX-2. ¹ / ₂	2.5000	(76.2)	(266)	(203.2)	(72)	(20.6)	(34.9)	(27)	(154)	(77)	(74.6)	(30.2)				
UCPX-2. ⁹ / ₁₆	2.5625															
UCPX-2. ⁵ / ₈	2.6250	3 ¹ / ₂	13	9	3 ¹ / ₂	¹⁵ / ₁₆	2	1 ¹ / ₄	7	3 ³ / ₄	3.0630	1.311	3/4	1/8-27NPT	A-UCX14-210D1 A-UCX14-211D1 A-UCX14-212D1 A-UCX15-213D1	PX14D1V50
UCPX-2. ¹¹ / ₁₆	2.6875	(88.9)	(330)	(228.6)	(89)	(23.8)	(50.8)	(32)	(178)	(95)	(77.8)	(33.3)				
UCPX-2. ³ / ₄	2.7500															
UCPX-2. ¹³ / ₁₆	2.8125	3 ¹ / ₂	13	9	3 ¹ / ₂	¹⁵ / ₁₆	2	1 ¹ / ₄	7	3 ³ / ₄	3.2520	1.311	3/4	1/8-27NPT	A-UCX15-214D1 A-UCX15-215D1 A-UCX15-300D1	PX15D1V50
UCPX-2. ⁷ / ₈	2.8750	(88.9)	(330)	(228.6)	(89)	(23.8)	(50.8)	(32)	(178)	(95)	(82.6)	(33.3)				
UCPX-2. ¹⁵ / ₁₆	2.9375															
UCPX-3	3.0000															
UCPX-3. ³ / ₁₆	3.1875	4 (101.6)	14 (356)	10 ³¹ / ₃₂ (278.6)	4 ³ / ₈ (111)	¹⁵ / ₁₆ (23.8)	2 (50.8)	1 ⁵ / ₁₆ (33)	8 (203)	4 ¹¹ / ₃₂ (110)	3.3740 (85.7)	1.343 (34.1)	3/4	1/8-27NPT	A-UCX16-303D1	PX16D1V50
UCPX-3. ⁷ / ₁₆	3.4375	4	14	10 ³¹ / ₃₂	4 ³ / ₈	¹⁵ / ₁₆	2	1 ⁵ / ₁₆	8	4 ¹¹ / ₃₂	4.0945	1.689	3/4	1/8-27NPT	A-UCX18-307D1 A-UCX18-308D1	PX18D1V50
UCPX-3. ¹ / ₂	3.5000	(101.6)	(356)	(278.6)	(111)	(23.8)	(50.8)	(33)	(203)	(110)	(104)	(42.9)				

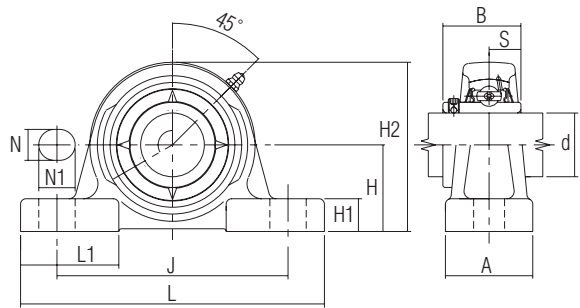
*Note: Metric sizes available. Please consult NTN for availability.

UCPL Ultra-Class

Type: pillow block

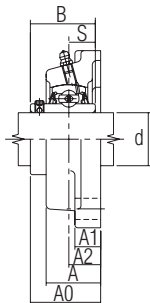
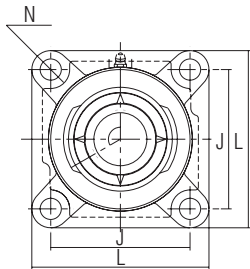
Shaft Height: low base

Mounting Method: set screw



NTN Part Number	Nominal Dimensions (mm)												Bolt Size	Lube Hole of Housing	Insert Bearing Number	Housing Number
	d	H	L	J	A	N	N1	H1	H2	L1	B	S				
UCPL-1/2	0.5000															
UCPL-9/16	0.5625	1 1/16	4 3/4	3 5/8	1 3/8	7/16	7/8	1/2	2 1/8	1 9/16	1.0787	0.453	3/8	1/4-28UNF	A-UC201X-008D1 A-UC202X-009D1 A-UC202X-010D1 A-UC203X-011D1	PL201D1V50
UCPL-5/8	0.6250	(27)	(121)	(92.1)	(34.9)	(11.1)	(22.2)	(13)	(54)	(40)	(27.4)	(11.5)				
UCPL-11/16	0.6875															
UCPL-3/4	0.7500	1 1/4	5	3 25/32	1 1/2	7/16	25/32	9/16	2 17/32	1 21/32	1.2205	0.500	3/8	1/4-28UNF	A-UC204-012D1	PL204D1V50
		(31.75)	(127)	(96)	(38.1)	(11.1)	(19.8)	(14)	(64)	(42)	(31)	(12.7)				
UCPL-13/16	0.8125															
UCPL-7/8	0.8750	1 5/16	5 1/2	4 1/8	1 1/2	7/16	13/16	19/32	2 11/16	1 21/32	1.3425	0.563	3/8	1/8-27NPT	A-UC205-013D1 A-UC205-014D1 A-UC205-015D1 A-UC205-100D1	PL205D1V50
UCPL-15/16	0.9375	(33.3)	(140)	(104.8)	(38.1)	(11.1)	(20.6)	(15)	(68)	(42)	(34.1)	(14.3)				
UCPL-1	1.0000															
UCPL-1.1/16	1.0625															
UCPL-1.1/8	1.1250	1 9/16	6 1/2	4 5/8	1 7/8	9/16	15/16	21/32	3 5/32	2 1/8	1.5000	0.626	1/2	1/8-27NPT	A-UC206-101D1 A-UC206-102D1 A-UC206-103D1 A-UC206-104D1	PL206D1V50
UCPL-1.3/16	1.1875	(39.7)	(165)	(117.5)	(47.6)	(14.3)	(23.8)	(17)	(80)	(54)	(38.1)	(15.9)				
UCPL-1.1/4S	1.2500															
UCPL-1.1/4	1.2500															
UCPL-1.5/16	1.3125	1 13/16	6 9/16	5 1/8	1 7/8	9/16	31/32	23/32	3 19/32	2 1/8	1.6890	0.689	1/2	1/8-27NPT	A-UC207-104D1 A-UC207-105D1 A-UC207-106D1 A-UC207-107D1	PL207D1V50
UCPL-1.3/8	1.3750	(46)	(167)	(130.2)	(47.6)	(14.3)	(24.6)	(18)	(91)	(54)	(42.9)	(17.5)				
UCPL-1.7/16	1.4375															
UCP-1.1/2	1.5000	1 15/16	7 1/4	5 3/8	2 1/8	9/16	1 1/32	23/32	3 27/32	2 1/16	1.9370	0.748	1/2	1/8-27NPT	A-UC208-108D1 A-UC208-109D1	P208D1V50
UCP-1.9/16	1.5625	(49.2)	(184)	(136.5)	(54)	(14.3)	(26.2)	(18)	(98)	(52)	(49.2)	(19)				
UCPL-1.5/8	1.6250															
UCPL-1.11/16	1.6875	2 1/16	7 15/32	5 7/8	2 1/8	9/16	1 1/8	25/32	4 3/32	2 3/8	1.9370	0.748	1/2	1/8-27NPT	A-UC209-110D1 A-UC209-111D1 A-UC209-112D1	PL209D1V50
UCPL-1.3/4	1.7500	(52.4)	(190)	(149.2)	(54)	(14.3)	(28.6)	(20)	(104)	(60)	(49.2)	(19)				
UCPL-1.13/16	1.8125															
UCPL-1.7/8	1.8750	2 3/16	8 1/8	6 7/32	2 3/8	1 1/16	15/16	13/16	4 13/32	2 9/16	2.0315	0.748	5/8	1/8-27NPT	A-UC210-113D1 A-UC210-114D1 A-UC210-115D1 A-UC210-200D1	PL210D1V50
UCPL-1.15/16	1.9375	(55.6)	(206)	(158)	(60.3)	(17.5)	(23.8)	(21)	(112)	(65)	(51.6)	(19)				
UCPL-2S	2.0000															
UCPL-2	2.0000															
UCPL-2.1/16	2.0625	2 7/16	8 5/8	6 15/16	2 3/8	23/32	1 5/32	29/32	4 7/8	2 9/16	2.1890	0.874	5/8	1/8-27NPT	A-UC211-200D1 A-UC211-201D1 A-UC211-202D1 A-UC211-203D1	PL211D1V50
UCPL-2.1/8	2.1250	(61.9)	(219)	(176.2)	(60.3)	(18.3)	(29.4)	(23)	(124)	(65)	(55.6)	(22.2)				
UCPL-2.3/16	2.1875															
UCPL-2.1/4	2.2500															
UCPL-2.5/16	2.3125	2 11/16	9 1/2	7 13/32	2 3/4	11/16	1 5/32	31/32	5 11/32	2 3/4	2.5630	1.000	5/8	1/8-27NPT	A-UC212-204D1 A-UC212-205D1 A-UC212-206D1 A-UC212-207D1	PL212D1V50
UCPL-2.3/8	2.3750	(68.3)	(241)	(188.1)	(69.9)	(17.5)	(29.4)	(25)	(136)	(70)	(65.1)	(25.4)				
UCPL-2.7/16	2.4375															
UCPL-2.1/2	2.5000	3	10 7/16	8	2 3/4	31/32	1 3/32	1 1/16	5 15/16	3 1/32	2.5630	1.000	3/4	1/8-27NPT	A-UC213-208D1 A-UC213-209D1	PL213D1V50
UCPL-2.9/16	2.5625	(76.2)	(265)	(203.2)	(70)	(25)	(28)	(27)	(151)	(77)	(65.1)	(25.4)				
UCPL-2.5/8	2.6250															
UCPL-2.11/16	2.6875	3	10 15/32	8	2 27/32	13/16	1 3/8	1 1/16	6 1/16	3 1/32	2.9370	1.189	3/4	1/8-27NPT	A-UC214-210D1 A-UC214-211D A-UC214-212D	PL214D1V50
UCPL-2.3/4	2.7500	(76.2)	(266)	(203.2)	(72)	(20.6)	(34.9)	(27)	(154)	(77)	(74.6)	(30.2)				
UCPL-2.13/16	2.8125															
UCPL-2.7/8	2.8750	3 5/16	12	9 1/2	2 29/32	7/8	1 1/4	13/32	6 1/2	3 5/32	3.0630	1.311	3/4	1/8-27NPT	A-UC215-213D1 A-UC215-214D1 A-UC215-215D1 A-UC215-300D1	PL215D1V50
UCPL-2.15/16	2.9375	(84.1)	(305)	(241.3)	(73.8)	(22.2)	(31.8)	(28)	(165)	(80)	(77.8)	(33.3)				
UCPL-3	3.0000															

Note: For UCPL-2.15/16R and UCPL-3R, dimension L is 275mm (10 53/64") and dimension J is 215.9mm (8 1/2").



Ultra-Class UCFU

Type: 4 bolt square flange

Material: cast iron housing

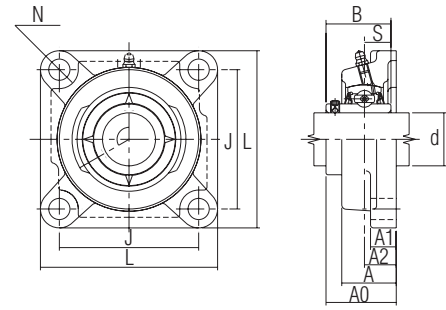
Mounting Method: set screw

NTN Part Number	Nominal Dimensions (mm)										Lube Hole of Housing	Insert Bearing Number	Housing Number
	d	L	J	A2	A1	A	N	A0	B	S			
UCFU-1/2	0.5000												
UCFU-9/16	0.5625	3	2 1/8	21/32	1/2	1 7/64	27/64	1 19/64	1.0787	0.453	1/4-28UNF	A-UC201X-008D1	FU201D1V50
UCFU-5/8	0.6250	(76)	(54)	(17)	(13)	(28)	(10.7)	(32.9)	(27.4)	(11.5)		A-UC202X-009D1	
UCFU-11/16	0.6875											A-UC202X-010D1	
												A-UC203X-011D1	
UCFU-3/4	0.7500	3 3/8	2 1/2	3/4	19/32	1 5/32	27/64	1 15/32	1.2205	0.500	1/4-28UNF	A-UC204-012D1	FU204D1V50
		(86)	(63.5)	(19)	(15)	(29.5)	(10.7)	(37.3)	(31)	(12.7)			
UCFU-13/16	0.8125											A-UC205-013D1	FU205D1V50
UCFU-7/8	0.8750	3 25/32	2 3/4	3/4	19/32	1 3/16	29/64	1 17/32	1.3425	0.563		A-UC205-014D1	
UCFU-15/16	0.9375	(96)	(70)	(19)	(15)	(30)	(11.5)	(38.9)	(34.1)	(14.3)	1/8-27NPT	A-UC205-015D1	
UCFU-1	1.0000											A-UC205-100D1	
UCFU-1.1/16	1.0625											A-UC206-101D1	FU206D1V50
UCFU-1.1/8	1.1250	4 9/32	3 1/4	25/32	5/8	1 5/16	29/64	1 21/32	1.5000	0.626		A-UC206-102D1	
UCFU-1.3/16	1.1875	(109)	(82.5)	(20)	(16)	(33)	(11.5)	(42.1)	(38.1)	(15.9)	1/8-27NPT	A-UC206-103D1	
UCFU-1.1/4S	1.2500											A-UC206-104D1	
UCFU-1.1/4	1.2500										1/8-27NPT	A-UC207-104D1	FU207D1V50
UCFU-1.5/16	1.3125	4 21/32	3 5/8	53/64	21/32	1 13/32	33/64	1 53/64	1.6890	0.689		A-UC207-105D1	
UCFU-1.3/8	1.3750	(118)	(92)	(21)	(17)	(36)	(13.1)	(46.4)	(42.9)	(17.5)		A-UC207-106D1	
UCFU-1.7/16	1.4375											A-UC207-107D1	
UCFU-1.1/2	1.5000	5 5/32	4	15/16	21/32	1 17/32	33/64	2 9/64	1.9370	0.748	1/8-27NPT	A-UC208-108D1	FU208D1V50
UCFU-1.9/16	1.5625	(131)	(101.5)	(24)	(18)	(39)	(13.1)	(54.3)	(49.2)	(19)		A-UC208-109D1	
UCFU-1.5/8	1.6250											A-UC209-110D1	FU209D1V50
UCFU-1.11/16	1.6875	5 13/32	4 1/8	15/16	23/32	1 9/16	33/64	2 9/64	1.9370	0.748		A-UC209-111D1	
UCFU-1.3/4	1.7500	(137)	(105)	(24)	(17)	(40)	(13.1)	(54.3)	(49.2)	(19)	1/8-27NPT	A-UC209-112D1	
UCFU-1.13/16	1.8125											A-UC210-113D1	FU210D1V50
UCFU-1.7/8	1.8750	5 21/32	4 3/8	1 7/64	25/32	1 13/16	43/64	2 25/64	2.0315	0.748		A-UC210-114D1	
UCFU-1.15/16	1.9375	(144)	(111)	(28)	(20)	(46)	(17.1)	(60.7)	(51.6)	(19)		A-UC210-115D1	
UCFU-2S	2.0000										1/8-27NPT	A-UC210-200D1	FU211D1V50
UCFU-2	2.0000											A-UC211-200D1	
UCFU-2.1/16	2.0625	6 13/32	5 1/8	1 7/32	13/16	1 15/16	43/64	2 17/32	2.1890	0.874		A-UC211-201D1	
UCFU-2.1/8	2.1250	(163)	(130)	(31)	(21)	(49)	(17.1)	(64.3)	(55.6)	(22.2)	1/8-27NPT	A-UC211-202D1	
UCFU-2.3/16	2.1875											A-UC211-203D1	FU212D1V50
UCFU-2.1/4	2.2500											A-UC212-204D1	
UCFU-2.5/16	2.3125	6 7/8	5 5/8	1 11/32	13/16	2 3/32	43/64	2 29/32	2.5630	1.000		A-UC212-205D1	
UCFU-2.3/8	2.3750	(175)	(143)	(34)	(21)	(53)	(17.1)	(73.8)	(65.1)	(25.4)	1/8-27NPT	A-UC212-206D1	FU213D1V50
UCFU-2.7/16	2.4375											A-UC212-207D1	
UCFU-2.1/2R	2.5000	7 3/8	5 55/64	1 1/2	7/8	2 5/16	3/4	3 1/16	2.5630	1.000		A-UC213-208D1	
UCFU-2.9/16R	2.5625	(187)	(149)	(38)	(22)	(59)	(19)	(77.7)	(65.1)	(25.4)	1/8-27NPT	A-UC213-209D1	FU214D1V50
UCFU-2.5/8R	2.6250											A-UC214-210D1	
UCFU-2.11/16R	2.6875	7 19/32	5 7/8	1 1/2	7/8	2 7/16	41/64	3 1/4	2.9370	1.189		A-UC214-211D1	
UCFU-2.3/4R	2.7500	(193)	(149.2)	(38)	(22)	(62)	(16.3)	(82.4)	(74.6)	(30.2)		A-UC214-212D1	FU215D1V50
UCFU-2.13/16	2.8125										1/8-27NPT	A-UC215-213D1	
UCFU-2.7/8	2.8750	7 7/8	6	1 39/64	7/8	2 9/16	25/32	3 23/64	3.0630	1.311		A-UC215-214D1	
UCFU-2.15/16	2.9375	(200)	(152)	(41)	(22)	(65)	(19.8)	(85.3)	(77.8)	(33.3)		A-UC215-215D1	
UCFU-3	3.0000											A-UC215-300D1	

* Note: Metric sizes available. Please consult NTN for availability.

UCFUX

Ultra-Class

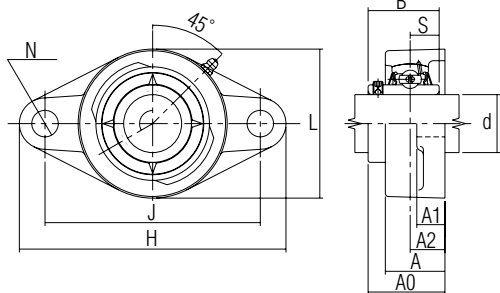


Type: 4 bolt square flange

Material: cast iron housing

Mounting Method: set screw

NTN Part Number	Nominal Dimensions (mm)										Lube Hole Threading	Insert Bearing Number	Housing Number
	d	L	J	A2	A1	A	N	A0	B	S			
UCFUX- ¹³ / ₁₆	0.8125												
UCFUX- ⁷ / ₈	0.8750	4 ⁹ / ₃₂	3 ¹ / ₄	²⁵ / ₃₂	⁵ / ₈	1 ⁵ / ₁₆	²⁹ / ₆₄	1 ²¹ / ₃₂	1.5000	0.626	1/8-27NPT	A-UCX05-013D1	FU206D1V50
UCFUX- ¹⁵ / ₁₆	0.9375	(109)	(82.5)	(20)	(16)	(33)	(11.5)	(42.1)	(38.1)	(15.9)		A-UCX05-014D1	
UCFUX-1	1.0000											A-UCX05-015D1	
												A-UCX05-100D1	
UCFUX-1. ¹ / ₁₆	1.0625												
UCFUX-1. ¹ / ₈	1.1250	4 ²¹ / ₃₂	3 ⁵ / ₈	⁵³ / ₃₂	²¹ / ₃₂	1 ¹³ / ₃₂	³³ / ₆₄	1 ⁵³ / ₆₄	1.6890	0.689	1/8-27NPT	A-UCX06-101D1	FU207D1V50
UCFUX-1. ³ / ₁₆	1.1875	(118)	(92)	(21)	(17)	(36)	(13.1)	(46.4)	(42.9)	(17.5)		A-UCX06-102D1	
UCFU-1. ¹ / ₄	1.2500											A-UCX06-103D1	
												A-UC207-104D1	
UCFUX-1. ⁵ / ₁₆	1.3125	5 ⁵ / ₃₂	4	¹⁵ / ₁₆	²¹ / ₃₂	1 ¹⁷ / ₃₂	³³ / ₆₄	2 ⁹ / ₆₄	1.9370	0.748	1/8-27NPT	A-UCX07-105D1	FU208D1V50
UCFUX-1. ³ / ₈	1.3750	(131)	(101.5)	(24)	(17)	(39)	(13.1)	(54.3)	(49.2)	(19)		A-UCX07-106D1	
UCFUX-1. ⁷ / ₁₆	1.4375											A-UCX07-107D1	
UCFUX-1. ¹ / ₂	1.5000	5 ¹³ / ₃₂	4 ¹ / ₈	¹⁵ / ₁₆	²³ / ₃₂	1 ⁹ / ₁₆	³³ / ₆₄	2 ⁹ / ₆₄	1.9370	0.748	1/8-27NPT	A-UCX08-108D1	FU209D1V50
UCFUX-1. ⁹ / ₁₆	1.5625	(137)	(105)	(24)	(18)	(40)	(13.1)	(54.3)	(49.2)	(19)		A-UCX08-109D1	
UCFUX-1. ⁵ / ₈	1.6250												
UCFUX-1. ¹¹ / ₁₆	1.6875	5 ²¹ / ₃₂	4 ³ / ₈	1 ⁷ / ₆₄	²⁵ / ₃₂	1 ¹³ / ₁₆	⁴³ / ₆₄	2 ²⁵ / ₆₄	2.0315	0.748	1/8-27NPT	A-UCX09-110D1	FU210D1V50
UCFUX-1. ³ / ₄	1.7500	(144)	(111)	(28)	(20)	(46)	(17.1)	(60.7)	(51.6)	(19)		A-UCX09-111D1	
UCFU-1. ¹³ / ₁₆	1.8125											A-UCX09-112D1	
												A-UC210-113D1	
UCFUX-1. ⁷ / ₈	1.8750	6 ¹³ / ₃₂	5 ¹ / ₈	1 ⁷ / ₃₂	¹³ / ₁₆	1 ¹⁵ / ₁₆	⁴³ / ₆₄	2 ¹⁷ / ₃₂	2.1890	0.874	1/8-27NPT	A-UCX10-114D1	FU211D1V50
UCFUX-1. ¹⁵ / ₁₆	1.9375	(163)	(130)	(31)	(21)	(49)	(17.1)	(64.3)	(55.6)	(22.2)		A-UCX10-115D1	
UCFU-2	2.0000											A-UC211-200D1	
UCFUX-2. ¹ / ₁₆	2.0625												
UCFUX-2. ¹ / ₈	2.1250	6 ⁷ / ₈	5 ⁵ / ₈	1 ¹¹ / ₃₂	¹³ / ₁₆	2 ³ / ₃₂	⁴³ / ₆₄	2 ²⁹ / ₃₂	2.5630	1.000	1/8-27NPT	A-UCX11-201D1	FU212D1V50
UCFUX-2. ³ / ₁₆	2.1875	(175)	(143)	(34)	(21)	(53)	(17.1)	(73.8)	(65.1)	(25.4)		A-UCX11-202D1	
UCFU-2. ¹ / ₄	2.2500											A-UCX11-203D1	
UCFU-2. ⁵ / ₁₆	2.3125											A-UC212-204D1	
UCFUX-2. ⁷ / ₁₆	2.4375	7 ¹⁹ / ₃₂	5 ⁷ / ₈	1 ¹ / ₂	⁷ / ₈	2 ⁷ / ₁₆	⁴¹ / ₆₄	3 ¹ / ₄	2.9370	1.189	1/8-27NPT	A-UC214-207D1	FU214D1V50
UCFUX-2. ¹ / ₂	2.5000	(193)	(143)	(38)	(22)	(62)	(16.3)	(82.6)	(74.6)	(30.2)		A-UCX13-208D1	
UCFUX-2. ⁹ / ₁₆	2.5625											A-UCX13-209D1	
UCFUX-2. ⁵ / ₈	2.6250	7 ⁷ / ₈	6	1 ³⁹ / ₆₄	⁷ / ₈	2 ⁹ / ₁₆	²⁵ / ₃₂	3 ²³ / ₆₄	3.0630	1.311	1/8-27NPT	A-UCX14-210D1	FU215D1V50
UCFUX-2. ¹¹ / ₁₆	2.6875	(200)	(152)	(41)	(22)	(65)	(19.8)	(85.3)	(77.8)	(33.3)		A-UCX14-211D1	
UCFUX-2. ³ / ₄	2.7500											A-UCX14-212D1	
UCFUX-2. ¹³ / ₁₆	2.8125												
UCFUX-2. ⁷ / ₈	2.8750	7 ⁷ / ₈	6	1 ³⁹ / ₆₄	⁷ / ₈	2 ⁹ / ₁₆	²⁵ / ₃₂	3 ⁹ / ₁₆	3.2520	1.311	1/8-27NPT	A-UCX15-213D1	FUX15D1V50
UCFUX-2. ¹⁵ / ₁₆	2.9375	(200)	(152.5)	(40.9)	(22)	(65)	(19.8)	(90.5)	(82.6)	(33.3)		A-UCX15-214D1	
UCFUX-3	3.0000											A-UCX15-215D1	
												A-UCX15-300D1	



Ultra-Class

UCFLU

Type: 2 bolt flange

Material: cast iron housing

Mounting Method: set screw

NTN Part Number	Nominal Dimensions (mm)											Lube Hole of Housing	Insert Bearing Number	Housing Number
	d	H	J	A2	A1	A	N	L	A0	B	S			
UCFLU-1/2	0.5000													
UCFLU-9/16	0.5625	3 27/32	3	21/32	33/64	1 7/64	25/64	2 13/32	1 19/64	1.0787	0.453	1/4-28UNF	A-UC201X-008D1	FLU201D1V50
UCFLU-5/8	0.6250	(98)	(76)	(17)	(13)	(28)	(9.9)	(61)	(32.9)	(27.4)	(11.5)		A-UC202X-009D1	
UCFLU-11/16	0.6875												A-UC202X-010D1	
													A-UC203X-011D1	
UCFLU- 3/4	0.7500	4 7/16	3 17/32	3/4	19/32	1 5/32	27/64	2 13/32	1 15/32	1.2205	0.500	1/4-28UNF	A-UC204-012D1	FLU204D1V50
		(113)	(90)	(19)	(15)	(29.5)	(10.7)	(61)	(37.3)	(31)	(12.7)			
UCFLU-13/16	0.8125												A-UC205-013D1	FLU205D1V50
UCFLU-7/8	0.8750	4 29/32	3 57/64	3/4	19/32	1 3/16	15/32	2 3/4	1 17/32	1.3425	0.563	1/8-27NPT	A-UC205-014D1	
UCFLU-15/16	0.9375	(125)	(99)	(19)	(15)	(30)	(11.9)	(70)	(38.9)	(34.1)	(14.3)		A-UC205-015D1	
UCFLU-1	1.0000												A-UC205-100D1	
UCFLU-1.1/16	1.0625											1/8-27NPT	A-UC206-101D1	FLU206D1V50
UCFLU-1.1/8	1.1250	5 19/32	4 19/32	25/32	5/8	1 5/16	29/64	3 9/32	1 21/32	1.5000	0.626		A-UC206-102D1	
UCFLU-1.3/16	1.1875	(142)	(116.5)	(20)	(16)	(33)	(11.5)	(83)	(42.1)	(38.1)	(15.9)		A-UC206-103D1	
UCFLU-1.1/4 S	1.2500												A-UC206-104D1	
UCFLU-1.1/4	1.2500											1/8-27NPT	A-UC207-104D1	FLU207D1V50
UCFLU-1.5/16	1.3125	6 5/32	5 1/8	53/64	21/32	1 13/32	33/64	3 25/32	1 53/64	1.6890	0.689		A-UC207-105D1	
UCFLU-1.3/8	1.3750	(156)	(130)	(21)	(17)	(36)	(13.1)	(96)	(46.4)	(42.9)	(17.5)		A-UC207-106D1	
UCFLU-1.7/16	1.4375												A-UC207-107D1	
UCFLU-1.1/2	1.5000	6 25/32	5 21/32	15/16	21/32	1 17/32	33/64	4 1/8	29/64	1.9370	0.748	1/8-27NPT	A-UC208-108D1	FLU208D1V50
UCFLU-1.9/16	1.5625	(172)	(143.5)	(24)	(17)	(39)	(13.1)	(105)	(54.4)	(49.2)	(19)		A-UC208-109D1	
UCFLU-1.5/8	1.6250												A-UC208-110D1	FLU209D1V50
UCFLU-1.11/16	1.6875	7 3/32	5 27/32	15/16	23/32	1 9/16	33/64	4 3/8	2 9/64	1.9370	0.748	1/8-27NPT	A-UC209-111D1	
UCFLU-1.3/4	1.7500	(180)	(148.5)	(24)	(18)	(40)	(13.1)	(111)	(54.4)	(49.2)	(19)		A-UC209-112D1	
UCFLU-1.13/16	1.8125												A-UC210-113D1	FLU209D1V50
UCFLU-1.7/8	1.8750	7 15/32	6 3/16	1 7/64	25/32	1 13/16	43/64	4 9/16	2 25/64	2.0315	0.748	1/8-27NPT	A-UC210-114D1	
UCFLU-1.15/16	1.9375	(190)	(157)	(28)	(20)	(46)	(17.1)	(116)	(60.7)	(51.6)	(19)		A-UC210-115D1	
UCFLU-2 S	2.0000												A-UC210-200D1	
UCFLU-2	2.0000											1/8-27NPT	A-UC211-200D1	FLU211D1V50
UCFLU-2.1/16	2.0625	8 17/32	7 1/4	1 7/32	13/16	1 15/16	43/64	5 9/32	2 17/32	2.1890	0.874		A-UC211-201D1	
UCFLU-2.1/8	2.1250	(217)	(184)	(31)	(20.5)	(49)	(17.1)	(134)	(64.3)	(55.6)	(22.2)		A-UC211-202D1	
UCFLU-2.3/16	2.1875												A-UC211-203D1	

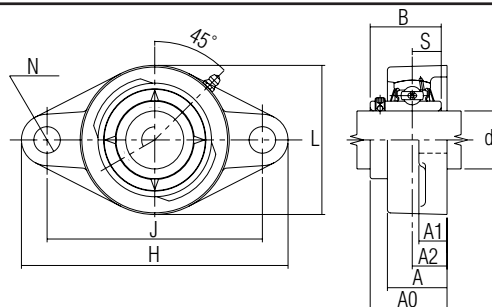
* Note: Metric sizes available. Please consult NTN for availability.

UCFLUX Ultra-Class

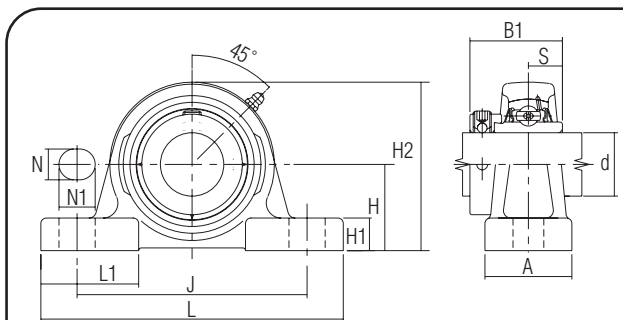
Type: 2 bolt flange

Material: cast iron housing

Mounting Method: set screw



NTN	Nominal Dimensions (mm)											Lube Hole	Insert Bearing	Housing
Part Number	d	H	J	A2	A1	A	N	L	A0	B	S	of Housing	Number	Number
UCFLUX-1 ^{3/16}	0.8125												A-UCX05-013D1	
UCFLUX-7 ⁸	0.8750	5 ¹⁹ / ₃₂	4 ¹⁹ / ₃₂	²⁵ / ₃₂	⁵ / ₈	1 ⁵ / ₁₆	²⁹ / ₆₄	3 ⁹ / ₃₂	1 ²¹ / ₃₂	1.5000	0.626	1/8-27NPT	A-UCX05-014D1	FLU206D1V50
UCFLUX-1 ⁵ / ₁₆	0.9375	(142)	(116.5)	(20)	(16)	(33)	(11.5)	(83)	(42.1)	(38.1)	(15.9)		A-UCX05-015D1	
UCFLUX-1	1.0000												A-UCX05-100D1	
UCFLUX-1.1 ¹ / ₁₆	1.0625												A-UCX06-101D1	
UCFLUX-1.1 ¹ / ₈	1.1250	6 ⁵ / ₃₂	5 ¹ / ₈	⁵³ / ₆₄	²¹ / ₃₂	1 ¹³ / ₃₂	³³ / ₆₄	3 ²⁵ / ₃₂	1 ⁵³ / ₆₄	1.6890	0.689	1/8-27NPT	A-UCX06-102D1	FLU207D1V50
UCFLUX-1.3 ³ / ₁₆	1.1875	(156)	(130)	(21)	(17)	(36)	(13.1)	(96)	(46.4)	(42.9)	(17.5)		A-UCX06-103D1	
UCFLU-1.1 ¹ / ₄	1.2500												A-UC207-104D1	
UCFLUX-1.5 ⁵ / ₁₆	1.3125	6 ²⁵ / ₃₂	5 ²¹ / ₃₂	¹⁵ / ₁₆	²¹ / ₃₂	1 ¹⁷ / ₃₂	³³ / ₆₄	4 ¹ / ₈	2 ⁹ / ₆₄	1.9370	0.748	1/8-27NPT	A-UCX07-105D1	FLU208D1V50
UCFLUX-1.3 ³ / ₈	1.3750	(172)	(143.5)	(24)	(17)	(39)	(13.1)	(105)	(54.4)	(49.2)	(19)		A-UCX07-106D1	
UCFLUX-1.7 ⁷ / ₁₆	1.4375												A-UCX07-107D1	
UCFLUX-1.1 ¹ / ₂	1.5000	7 ³ / ₃₂	5 ²⁷ / ₃₂	¹⁵ / ₁₆	²³ / ₃₂	1 ⁹ / ₁₆	³³ / ₆₄	4 ³ / ₈	2 ⁹ / ₆₄	1.9370	0.748	1/8-27NPT	A-UCX08-108D1	FLU209D1V50
UCFLUX-1.9 ⁹ / ₁₆	1.5625	(183)	(148.5)	(24)	(18)	(40)	(13.1)	(111)	(54.4)	(49.2)	(19)		A-UCX08-109D1	
UCFLUX-1.5 ⁵ / ₈	1.6250												A-UCX09-110D1	
UCFLUX-1.1 ¹¹ / ₁₆	1.6875	7 ¹⁵ / ₃₂	6 ³ / ₁₆	1 ⁷ / ₆₄	²⁵ / ₃₂	1 ¹³ / ₁₆	⁴³ / ₆₄	4 ⁹ / ₁₆	2 ²⁵ / ₆₄	2.0315	0.748	1/8-27NPT	A-UCX09-111D1	FLU210D1V50
UCFLUX-1.3 ³ / ₄	1.7500	(190)	(157)	(28)	(20)	(46)	(17.1)	(116)	(60.7)	(51.6)	(19)		A-UCX09-112D1	
UCFLU-1.1 ¹³ / ₁₆	1.8125												A-UC210-113D1	
UCFLUX-1.7 ⁷ / ₈	1.8750	8 ¹⁷ / ₃₂	7 ¹ / ₄	1 ⁷ / ₃₂	¹³ / ₁₆	1 ¹⁵ / ₁₆	⁴³ / ₆₄	5 ⁹ / ₃₂	2 ¹⁷ / ₃₂	2.1890	0.874	1/8-27NPT	A-UCX10-114D1	FLU211D1V50
UCFLUX-1.1 ¹⁵ / ₁₆	1.9375	(217)	(184)	(31)	(20.5)	(49)	(17.1)	(134)	(64.3)	(55.6)	(22.2)		A-UCX10-115D1	
UCFLU-2	2.000												A-UC211-200D1	



Ultra-Class UELP

Type: pillow block

Shaft Height: high base

Mounting Method: eccentric locking collar

NTN Part Number	Nominal Dimensions (mm)												Bolt Size	Lube Hole of Housing	Insert Bearing Number	Housing Number
	d	H	L	J	A	N	N1	H1	H2	L1	B	S				
UEL201-008D1	0.5000															
UEL202-009D1	0.5625	1 3/16	5	3 5/8	1 1/2	7/16	7/8	9/16	2 7/16	1 2 1/32	1.469	0.488	3/8	1/4-28UNF		P201D1V50
UEL202-010D1	0.6250	(30.2)	(127)	(92.1)	(38)	(11.1)	(22.2)	(14)	(62)	(42)	(37.3)	(12.4)				
UEL203-011D1	0.6875															
UEL204-012D1	0.7500	1 5/16	5	3 25/32	1 1/2	7/16	25/32	9/16	2 9/16	1 2 1/32	1.720	0.673	3/8	1/4-28UNF		P204D1V50
UEL204-012D1		(33.3)	(127)	(96)	(38)	(11.1)	(19.8)	(14)	(65)	(42)	(43.7)	(17.1)				
UEL205-013D1	0.8125															
UEL205-014D1	0.8750	1 7/16	5 1/2	4 1/8	1 1/2	7/16	13/16	19/32	2 25/32	1 2 1/32	1.748	0.563	3/8	1/8-27NPT		P205D1V50
UEL205-015D1	0.9375	(36.5)	(140)	(104.8)	(38)	(11.1)	(20.6)	(15)	(71)	(42)	(44.4)	(17.5)				
UEL205-100D1	1.0000															
UEL206-101D1	1.0625															
UEL206-102D1	1.1250	1 1 1/16	6 1/2	4 5/8	1 7/8	9/16	15/16	2 1/32	3 9/32	2 1/8	1.906	0.720	1/2	1/8-27NPT		P206D1V50
UEL206-103D1	1.1875	(42.9)	(165)	(117.5)	(48)	(14.3)	(23.8)	(17)	(83)	(54)	(48.4)	(18.3)				
UEL206-104D1	1.2500															
UEL207-104D1	1.2500															
UEL207-105D1	1.3125	1 7/8	6 9/16	5 1/8	1 7/8	9/16	3 1/32	2 3/32	3 2 1/32	2 1/8	2.012	0.740	1/2	1/8-27NPT		P207D1V50
UEL207-106D1	1.3750	(47.6)	(167)	(130.2)	(48)	(14.3)	(24.6)	(18)	(93)	(54)	(51.1)	(18.8)				
UEL207-107D1	1.4375															
UEL208-108D1	1.5000	1 15/16	7 1/4	5 3/8	2 1/8	9/16	1 1/32	2 3/32	3 2 7/32	2 1/16	1.9370	0.748	1/2	1/8-27NPT		P208D1V50
UEL208-109D1	1.5625	(49.2)	(184)	(136.5)	(54)	(14.3)	(26.2)	(18)	(98)	(52)	(56.3)	(21.4)				
UEL209-110D1	1.6250															
UEL209-111D1	1.6875	2 1/8	7 15/32	5 7/8	2 1/8	9/16	1 1/8	25/32	4 3/16	2 3/8	2.217	0.843	1/2	1/8-27NPT		P209D1V50
UEL209-112D1	1.7500	(54)	(190)	(149.2)	(54)	(14.3)	(28.6)	(20)	(106)	(60)	(56.3)	(21.4)				
UEL210-113D1	1.8125															
UEL210-114D1	1.8750	2 1/4	8 1/8	6 7/32	2 3/8	1 1/16	15/16	13/16	4 1/2	2 9/16	2.469	0.969	5/8	1/8-27NPT		P210D1V50
UEL210-115D1	1.9375	(57.2)	(206)	(158)	(60)	(17.5)	(23.8)	(21)	(114)	(65)	(62.7)	(24.6)				
UEL210-200D1	2.0000															
UEL211-200D1	2.0000															
UEL211-201D1	2.0625	2 1/2	8 5/8	6 15/16	2 3/8	23/32	1 5/32	2 9/32	4 3 1/32	2 9/16	2.811	1.094	5/8	1/8-27NPT		P211D1V50
UEL211-202D1	2.1250	(63.5)	(219)	(176.2)	(60)	(18.3)	(29.4)	(23)	(126)	(65)	(71.4)	(27.8)				
UEL211-203D1	2.1875															
UEL212-204D1	2.2500															
UEL212-205D1	2.3125	2 3/4	9 1/2	7 13/32	2 3/4	23/32	1 5/32	3 1/32	5 7/16	2 3/4	3.063	1.220	5/8	1/8-27NPT		P212D1V50
UEL212-206D1	2.3750	(69.8)	(241)	(188.1)	(70)	(18.3)	(29.4)	(25)	(138)	(70)	(77.8)	(31.0)				
UEL212-207D1	2.4375															
UEL213-208D1	2.5000	3	10 7/16	8	2 3/4	3 1/32	1 3/32	1 1/16	5 15/16	3 1/32	3.374	1.344	3/4	1/8-27NPT		P213D1V50
UEL213-209D1	2.5625	(76.2)	(265)	(203)	(70)	(25)	(28)	(27)	(151)	(77)	(85.7)	(34.15)				
UEL214-210D1	2.6250	3 1/8	10 15/32	8 9/32	2 27/32	3 1/32	1 3/32	1 1/16	6 3/16	3 1/32	3.374	1.344	3/4	1/8-27NPT		P214D1V60
UEL214-2011D	2.6875	(79.4)	(266)	(210)	(72)	(25)	(28)	(27)	(157)	(77)	(85.7)	(34.15)				
UEL214-2012D	2.7500															
UEL215-213D1	2.8125															
UEL215-214D1	2.8750	3 1/4	10 13/16	8 1/2	2 29/32	7/8	1 1/4	13/32	6 13/32	3 5/32	3.622	1.469	3/4	1/8-27NPT		P215D1V50
UEL215-215D1	2.9375	(82.6)	(275)	(215.9)	(74)	(22.2)	(31.8)	(28)	(163)	(80)	(92.0)	(37.3)				
UEL215-300D1	3.0000															

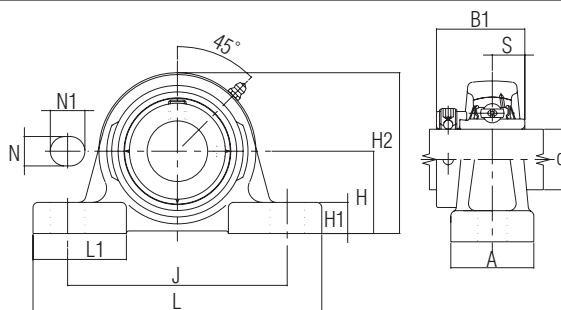
*Note: Metric sizes available. Please consult NTN for availability.

UELPL Ultra-Class

Type: pillow block

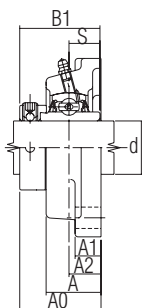
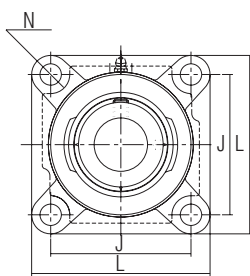
Shaft Height: low base

Mounting Method: eccentric locking collar



NTN Part Number	Nominal Dimensions (mm)												Bolt Size	Lube Hole of Housing	Insert Bearing Number	Housing Number
	d	H	L	J	A	N	N1	H1	H2	L1	B	S				
UELPL-1/2	0.5000															
UELPL-9/16	0.5625	1 1/16	4 3/4	3 5/8	1 3/8	7/16	7/8	1/2	2 1/8	1 9/16	1.469	0.488				
UELPL-5/8	0.6250	(27)	(121)	(92.1)	(34.9)	(11.1)	(22.2)	(13)	(54)	(40)	(37.3)	(12.4)	3/8	1/4-28UNF	A-UEL201-008D1 A-UEL202-009D1 A-UEL202-010D1 A-UEL203-011D1	PL201D1V50
UELPL-11/16	0.6875															
UELPL-3/4	0.7500	1 1/4	5	3 25/32	1 1/2	7/16	25/32	9/16	2 17/32	1 21/32	1.720	0.673	3/8	1/4-28UNF	A-UEL204-012D1	PL204D1V50
UELPL-13/16	0.8125															
UELPL-7/8	0.8750	1 5/16	5 1/2	4 1/8	1 1/2	7/16	13/16	19/32	2 11/16	1 21/32	1.748	0.689	3/8	1/8-27NPT	A-UEL205-013D1 A-UEL205-014D1 A-UEL205-015D1 A-UEL205-100D1	PL205D1V50
UELPL-15/16	0.9375	(33.3)	(140)	(104.8)	(38.1)	(11.1)	(20.6)	(15)	(68)	(42)	(44.4)	(17.5)				
UELPL-1	1.0000															
UELPL-1 1/16	1.0625															
UELPL-1 1/8	1.1250	1 9/16	6 1/2	4 5/8	1 7/8	9/16	15/16	21/32	3 5/32	2 1/8	1.906	0.720	1/2	1/8-27NPT	A-UEL206-101D1 A-UEL206-102D1 A-UEL206-103D1 A-UEL206-104D1	PL206D1V50
UELPL-1 3/16	1.1875	(39.7)	(165)	(117.5)	(47.6)	(14.3)	(23.8)	(17)	(80)	(54)	(48.4)	(18.3)				
UELPL-1 1/4S	1.2500															
UELPL-1 1/4	1.2500															
UELPL-1 5/16	1.3125	1 13/16	6 9/16	5 1/8	1 7/8	9/16	31/32	23/32	3 19/32	2 1/8	2.012	0.740	1/2	1/8-27NPT	A-UEL207-104D1 A-UEL207-105D1 A-UEL207-106D1 A-UEL207-107D1	PL207D1V50
UELPL-1 3/8	1.3750	(46)	(167)	(130.2)	(47.6)	(14.3)	(24.6)	(18)	(91)	(54)	(51.1)	(18.8)				
UELPL-1 7/16	1.4375															
UELPL-1 1/2	1.5000	1 15/16	7 1/4	5 3/8	2 1/8	9/16	1 1/32	23/32	3 27/32	2 1/16	2.217	0.843	1/2	1/8-27NPT	A-UEL208-108D1 A-UEL208-109D1 A-UEL209-110D1 A-UEL209-111D1 A-UEL209-112D1	P208D1V50 PL209D1V50
UELPL-1 9/16	1.5625	(49.2)	(184)	(136.5)	(54)	(14.3)	(26.2)	(18)	(98)	(52)	(56.3)	(21.4)				
UELPL-1 5/8	1.6250	2 1/16	7 15/32	5 7/8	2 1/8	9/16	1 1/8	25/32	4 3/32	2 3/8	2.217	0.843	1/2	1/8-27NPT		
UELPL-1 11/16	1.6875	(52.4)	(190)	(149.2)	(54)	(14.3)	(28.6)	(20)	(104)	(60)	(56.3)	(21.4)				
UELPL-1 3/4	1.7500															
UELPL-1 13/16	1.8125															
UELPL-1 7/8	1.8750	2 3/16	8 1/8	6 7/32	2 3/8	1 1/16	15/16	13/16	4 13/32	2 9/16	2.469	0.969	5/8	1/8-27NPT	A-UEL210-113D1 A-UEL210-114D1 A-UEL210-115D1 A-UEL210-200D1	PL210D1V50
UELPL-1 15/16	1.9375	(55.6)	(206)	(158)	(60.3)	(17.5)	(23.8)	(21)	(112)	(65)	(62.7)	(24.6)				
UELPL-2S	2.0000															
UELPL-2	2.0000															
UELPL-2 1/16	2.0625	2 7/16	8 5/8	6 15/16	2 3/8	23/32	1 5/32	29/32	4 7/8	2 9/16	2.811	1.094	5/8	1/8-27NPT	A-UEL211-200D1 A-UEL211-201D1 A-UEL211-202D1 A-UEL211-203D1	PL211D1V50
UELPL-2 1/8	2.1250	(61.9)	(219)	(176.2)	(60.3)	(18.3)	(29.4)	(23)	(124)	(65)	(71.4)	(27.8)				
UELPL-2 3/16	2.1875															
UELPL-2 1/4	2.2500															
UELPL-2 5/16	2.3125	2 11/16	9 1/2	7 13/32	2 3/4	11/16	1 5/32	31/32	5 11/32	2 3/4	3.063	1.220	5/8	1/8-27NPT	A-UEL212-204D1 A-UEL212-205D1 A-UEL212-206D1 A-UEL212-207D1	PL212D1V50
UELPL-2 3/8	2.3750	(68.3)	(241)	(188.1)	(69.9)	(17.5)	(29.4)	(25)	(136)	(70)	(77.8)	(31)				
UELPL-2 7/16	2.4375															
UELPL-2 1/2	2.5000	3	10 7/16	8	2 3/4	31/32	1 3/32	1 1/16	5 15/16	3 1/32	3.374	1.344	3/4	1/8-27NPT	A-UEL213-208D1 A-UEL213-209D1 A-UEL214-210D1 A-UEL214-211D1 A-UEL214-212D1	PL213D1V50 PL214D1V60
UELPL-2 9/16	2.5625	(76.2)	(265)	(203.2)	(70)	(25)	(28)	(27)	(151)	(77)	(85.7)	(34.15)				
UELPL-2 5/8	2.6250	3	10 15/32	8	2 27/32	13/16	1 3/8	1 1/16	6 1/16	3 1/32	3.374	1.344	3/4	1/8-27NPT		
UELPL-2 11/16	2.6875	(76.2)	(266)	(203.2)	(72)	(20.6)	(34.9)	(27)	(154)	(77)	(85.7)	(34.15)				
UELPL-2 3/4	2.7500															
UELPL-2 13/16	2.8125															
UELPL-2 7/8	2.8750	3 5/16	12	9 1/2	2 29/32	7/8	1 1/4	13/32	6 1/2	3 5/32	3.622	1.469	3/4	1/8-27NPT	A-UEL215-213D1 A-UEL215-214D1 A-UEL215-215D1 A-UEL215-300D1	PL215D1V50
UELPL-2 15/16	2.9375	(84.1)	(305)	(241.3)	(73.8)	(22.2)	(31.8)	(28)	(165)	(80)	(92)	(37.3)				
UELPL-3	3.0000															

Note: For UELPL-2.15/16R and UELPL-3R, dimension L is 275mm (10 53/64") and dimension J is 215.9mm (8 1/2").



Ultra-Class

UELFU

Type: 4 bolt square flange

Material: cast iron housing

Mounting Method: eccentric locking collar

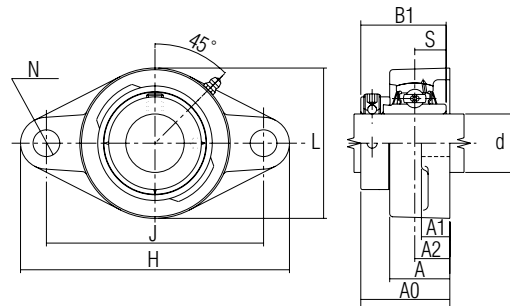
NTN Part Number	Nominal Dimensions (mm)										Lube Hole of Housing	Insert Bearing Number	Housing Number
	d	L	J	A2	A1	A	N	A0	B1	S			
UELFU-1/2	0.5000												
UELFU- 9/16	0.5625	3	2 1/8	21/32	1/2	1 7/64	27/64	1 21/32	1.469	0.488	1/4-28UNF	A-UEL201-008D1	FU201D1V50
UELFU- 5/8	0.6250	(76)	(54)	(17)	(13)	(28)	(10.7)	(42.1)	(37.3)	(12.4)		A-UEL202-009D1	
UELFU-11/16	0.6875											A-UEL202-010D1	
												A-UEL203-011D1	
UELFU- 3/4	0.7500	3 3/8	2 1/2	3/4	19/32	1 5/32	27/64	1 51/64	1.720	0.673	1/4-28UNF	A-UEL204-012D1	FU204D1V50
		(867)	(63.5)	(19)	(15)	(29.5)	(10.7)	(45.6)	(43.7)	(17.1)			
UELFU- 13/16	0.8125											A-UEL205-013D1	
UELFU- 7/8	0.8750	3 25/32	2 3/4	3/4	19/32	1 3/16	29/64	1 13/16	1.748	0.689	1/8-27NPT	A-UEL205-014D1	FU205D1V50
UELFU- 15/16	0.9375	(96)	(70)	(19)	(15)	(30)	(11.5)	(46)	(44.4)	(17.5)		A-UEL205-015D1	
UELFU-1	1.0000											A-UEL205-100D1	
UELFU-1.1/16	1.0625											A-UEL206-101D1	
UELFU-1.1/8	1.1250	4 9/32	3 1/4	25/32	5/8	15/16	29/64	1 31/32	1.906	0.720	1/8-27NPT	A-UEL206-102D1	FU206D1V50
UELFU-1.3/16	1.1875	(109)	(82.5)	(20)	(16)	(33)	(11.5)	(50)	(48.4)	(18.3)		A-UEL206-103D1	
UELFU-1.1/4S	1.2500											A-UEL206-104D1	
UELFU-1.1/4	1.2500											A-UEL207-104D1	
UELFU-1.5/16	1.3125	4 21/32	3 5/8	53/64	21/32	1 13/32	33/64	2 3/32	2.012	0.740	1/8-27NPT	A-UEL207-105D1	FU207D1V50
UELFU-1.3/8	1.3750	(118)	(92)	(21)	(17)	(36)	(13.1)	(53.2)	(51.1)	(18.8)		A-UEL207-106D1	
UELFU-1.7/16	1.4375											A-UEL207-107D1	
UELFU-1.1/2	1.5000	5 5/32	4	15/16	21/32	1 17/32	33/64	2 5/16	2.217	0.843	1/8-27NPT	A-UEL208-108D1	FU208D1V50
UELFU-1.9/16	1.5625	(131)	(101.5)	(24)	(17)	(39)	(13.1)	(58.7)	(56.3)	(21.4)		A-UEL208-109D1	
UELFU-1.5/8	1.6250											A-UEL209-110D1	
UELFU-1.11/16	1.6875	5 13/32	4 1/8	15/16	23/32	1 9/16	33/64	2 5/16	2.217	0.843	1/8-27NPT	A-UEL209-111D1	FU209D1V50
UELFU-1.1/4	1.7500	(137)	(105)	(24)	(17)	(40)	(13.1)	(58.7)	(56.3)	(21.4)		A-UEL209-112D1	
UELFU-1.13/16	1.8125											A-UEL210-113D1	
UELFU-1.7/8	1.8750	5 21/32	4 3/8	1 7/64	25/32	1 13/16	43/64	2 39/64	2.469	0.969	1/8-27NPT	A-UEL210-114D1	FU210D1V50
UELFU-1.15/16	1.9375	(144)	(111)	(28)	(20)	(46)	(17.1)	(66.3)	(62.7)	(24.6)		A-UEL210-115D1	
UELFU-2S	2.0000											A-UEL210-200D1	
UELFU-2	2.0000											A-UEL211-200D1	
UELFU-2.1/16	2.0625	6 13/32	5 1/8	1 7/32	13/16	1 15/16	43/64	2 15/16	2.811	1.094	1/8-27NPT	A-UEL211-201D1	FU211D1V50
UELFU-2.1/8	2.1250	(163)	(130)	(31)	(21)	(49)	(17.1)	(74.6)	(71.4)	(27.8)		A-UEL211-202D1	
UELFU-2.3/16	2.1875											A-UEL211-203D1	
UELFU-2.1/4	2.2500											A-UEL212-204D1	
UELFU-2.5/16	2.3125	6 7/8	5 5/8	1 11/32	13/16	2 3/32	43/64	3 3/16	3.063	1.220	1/8-27NPT	A-UEL212-205D1	FU212D1V50
UELFU-2.3/8	2.3750	(175)	(143)	(34)	(21)	(53)	(17.1)	(81)	(77.8)	(31)		A-UEL212-206D1	
UELFU-2.7/16	2.4375											A-UEL212-207D1	
UELFU-2.1/2R	2.5000	7 3/8	5 55/64	1 1/2	7/8	2 5/16	3/4	3 1/2	3.374	1.344	1/8-27NPT	A-UEL213-208D1M	FU213D1V50
UELFU-2.9/16R	2.5625	(187)	(149)	(38)	(22)	(59)	(19)	(89.55)	(85.7)	(34.15)		A-UEL213-209D1M	
UELFU-2.5/8R	2.6250											A-UEL214-210D1	
UELFU-2.11/16R	2.6875	7 19/32	5 63/64	1 1/2	7/8	2 7/16	3/4	3 17/32	3.374	1.344	1/8-27NPT	A-UEL214-211D1	FU214D1V60
UELFU-2.3/4R	2.7500	(193)	(152)	(38)	(22)	(62)	(19)	(89.55)	(85.7)	(34.15)		A-UEL214-212D1	
UELFU-2.13/16	2.8125											A-UEL215-213D1	
UELFU-2.7/8	2.8750	7 7/8	6	1 39/64	7/8	2 9/16	25/32	3 49/64	3.622	1.469	1/8-27NPT	A-UEL215-214D1	FU215D1V50
UELFU-2.15/16	2.9375	(200)	(152)	(41)	(22)	(65)	(19.8)	(95.6)	(92)	(37.3)		A-UEL215-215D1	
UELFU-3	3.0000											A-UEL215-300D1	

UELFLU Ultra-Class

Type: 2 bolt flange

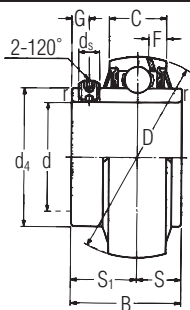
Material: cast iron housing

Mounting Method: eccentric locking collar



NTN Part Number	Nominal Dimensions (mm)											Lube Hole of Housing	Insert Bearing Number	Housing Number
	d	H	J	A2	A1	A	N	L	A0	B1	S			
UELFLU-1/2	0.5000													
UELFLU-9/16	0.5625	3 27/32	3	21/32	33/64	1 7/64	25/64	2 13/32	1 21/32	1.469	0.488		A-UEL201-008D1	
UELFLU-5/8	0.6250	(98)	(76)	(17)	(13)	(28)	(9.9)	(61)	(42)	(37.3)	(12.4)	1/4-28UNF	A-UEL202-009D1	FLU201D1V50
UELFLU-11/16	0.6875												A-UEL202-010D1	
													A-UEL203-011D1	
UELFLU-3/4	0.7500	4 7/16	3 17/32	3/4	19/32	1 5/32	27/64	2 13/32	1 51/64	1.720	0.673	1/4-28UNF	A-UEL204-012D1	FLU204D1V50
		(113)	(90)	(19)	(15)	(29.5)	(10.7)	(61)	(45.6)	(43.7)	(17.1)			
UELFLU-13/16	0.8125												A-UEL205-013D1	
UELFLU-7/8	0.8750	4 29/32	3 57/64	3/4	19/32	1 3/16	15/32	2 3/4	1 13/16	1.748	0.689	1/8-27NPT	A-UEL205-014D1	FLU205D1V50
UELFLU-15/16	0.9375	(125)	(99)	(19)	(15)	(30)	(11.9)	(70)	(45.9)	(44.4)	(17.5)		A-UEL205-015D1	
UELFLU-1	1.0000												A-UEL205-100D1	
UELFLU-1.1/16	1.0625												A-UEL206-101D1	
UELFLU-1.1/8	1.1250	5 19/32	4 19/32	25/32	5/8	1 5/16	29/64	3 9/32	1 31/32	1.906	0.720	1/8-27NPT	A-UEL206-102D1	FLU206D1V50
UELFLU-1.3/16	1.1875	(142)	(116.5)	(20)	(16)	(33)	(11.5)	(83)	(50.1)	(48.4)	(18.3)		A-UEL206-103D1	
UELFLU-1.1/4 S	1.2500												A-UEL206-104D1	
UELFLU-1.1/4	1.2500												A-UEL207-104D1	
UELFLU-1.5/16	1.3125	6 5/32	5 1/8	53/64	21/32	1 13/32	33/64	3 25/32	2 3/32	2.012	0.740	1/8-27NPT	A-UEL207-105D1	FLU207D1V50
UELFLU-1.3/8	1.3750	(156)	(130)	(21)	(17)	(36)	(13.1)	(96)	(53.3)	(51.1)	(18.8)		A-UEL207-106D1	
UELFLU-1.7/16	1.4375												A-UEL207-107D1	
UELFLU-1.1/2	1.5000	6 25/32	5 21/32	15/16	21/32	1 17/32	33/64	4 1/8	2 5/16	2.217	0.843	1/8-27NPT	A-UEL208-108D1	FLU208D1V50
UELFLU-1.9/16	1.5625	(172)	(143.5)	(24)	(17)	(39)	(13.1)	(105)	(58.9)	(56.3)	(21.4)		A-UEL208-109D1	
UELFLU-1.5/8	1.6250												A-UEL208-110D1	
UELFLU-1.11/16	1.6875	7 3/32	5 27/32	15/16	23/32	1 9/16	33/64	4 3/8	2 5/16	2.217	0.843	1/8-27NPT	A-UEL209-111D1	FLU209D1V50
UELFLU-1.3/4	1.7500	(180)	(148.5)	(24)	(18)	(40)	(13.1)	(111)	(58.9)	(56.3)	(21.4)		A-UEL209-112D1	
UELFLU-1.13/16	1.8125												A-UEL210-113D1	
UELFLU-1.7/8	1.8750	7 15/32	6 3/16	1 7/64	25/32	1 13/16	43/64	4 9/16	2 39/64	2.469	0.969	1/8-27NPT	A-UEL210-114D1	FLU209D1V50
UELFLU-1.15/16	1.9375	(190)	(157)	(28)	(20)	(46)	(17.1)	(116)	(66.1)	(62.7)	(24.6)		A-UEL210-115D1	
UELFLU-2 S	2.0000												A-UEL210-200D1	
UELFLU-2	2.0000												A-UEL211-200D1	
UELFLU-2.1/16	2.0625	8 17/32	7 1/4	1 7/32	13/16	1 15/16	43/64	5 9/32	2 15/16	2.811	1.094	1/8-27NPT	A-UEL211-201D1	FLU211D1V50
UELFLU-2.1/8	2.1250	(217)	(184)	(31)	(20.5)	(49)	(17.1)	(134)	(74.6)	(71.4)	(27.8)		A-UEL211-202D1	
UELFLU-2.3/16	2.1875												A-UEL211-203D1	

* Note: Metric sizes available. Please consult NTN for availability.



Ultra-Class UC

Type: insert bearing

Shaft Height: ball bearing

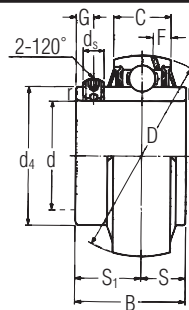
Mounting Method: set screw

Shaft Diam	Insert Bearing Number	Nominal Dimensions mm inches											Basic Load Rating		Mass lb
		d	D	B	C	rs min.	S	S1	G	ds	d4	F	N lbf dynamic Cr	N lbf static Cor	
1/2	A-UC201X-008D1	0.5000	40 1.5748	27.4 1.0787	15 0.5906	0.6 0.024	11.5 0.453	15.9 0.626	4.2 0.165	No.10-32UNF	24.4 0.9606	3.8 0.150	9600 2160	4600 1030	0.46
9/16	A-UC202X-009D1	0.5625	40	27.4	15	0.6	11.5	15.9	4.2		24.4	3.8	9600	4600	0.44
5/8	A-UC202X-010D1	0.6250	1.5748	1.0787	0.5906	0.024	0.453	0.626	0.165	No.10-32UNF	0.9606	0.150	2160	1030	0.42
11/16	A-UC203X-011D1	0.6875	40 1.5748	27.4 1.0787	15 0.5906	0.6 0.024	11.5 0.453	15.9 0.626	4.2 0.165	No.10-32UNF	24.4 0.9606	3.8 0.150	9600 2160	4600 1030	0.39
3/4	A-UC204-012D1	0.7500	47 1.8504	31 1.2205	17 0.6893	1 0.039	12.7 0.500	18.3 0.720	4.5 0.177	No.10-32UNF	29.6 1.1654	4.7 0.185	12800 2890	6650 1500	0.39
13/16	A-UC205-013D1	0.8125													0.53
7/8	A-UC205-014D1	0.8750	52	34.1	17	1	14.3	19.8	5		33.9	4.5	14000	7850	0.51
15/16	A-UC205-015D1	0.9375	2.0472	1.3386	0.6893	0.039	0.563	0.780	0.197	No.10-32UNF	1.3346	0.177	3150	1770	0.46
1	A-UC205-100D1	1.0000													0.44
1 1/16	A-UC206-101D1	1.0625													0.82
1 1/8	A-UC206-102D1	1.1250	62	38.1	19	1	15.9	22.2	5		40.8	4.6	19500	11300	0.77
1 3/16	A-UC206-103D1	1.1875	2.4409	1.5000	0.7480	0.039	0.626	0.874	0.197	1/4-32UNF	1.6063	0.181	4400	2540	0.73
1 1/4	A-UC206-104D1	1.2500													0.66
1 1/4	A-UC207-104D1	1.2500													1.21
1 5/16	A-UC207-105D1	1.3125	72	42.9	20	1.5	17.5	25.4	6		46.8	4.6	25700	15300	1.15
1 3/8	A-UC207-106D1	1.3750	2.8346	1.6890	0.7874	0.059	0.689	1.000	0.236	1/4-32UNF	1.8425	0.181	5750	3450	1.08
1 7/16	A-UC207-107D1	1.4375													1.01
1 1/2	A-UC208-108D1	1.5000	80	49.2	21	1.5	19	30.2	8		53	4.5	29100	17800	1.52
1 9/16	A-UC208-109D1	1.5625	3.1496	1.9370	0.8268	0.059	0.748	1.189	0.315	5/16-32UNF	2.0866	0.177	6550	4000	1.46
1 5/8	A-UC209-110D1	1.6250													1.76
1 11/16	A-UC209-111D1	1.6875	85	49.2	22	1.5	19	30.2	8		57.5	4.9	32500	20400	1.68
1 3/4	A-UC209-112D1	1.7500	3.3465	1.9370	0.8661	0.059	0.748	1.189	0.315	5/16-24UNF	2.2638	0.193	7350	4600	1.57
1 13/16	A-UC210-113D1	1.8125													2.03
1 7/8	A-UC210-114D1	1.8750	90	51.6	24	1.5	19	32.6	9		62.4	5.9	35000	23200	1.92
1 15/16	A-UC210-115D1	1.9375	3.5433	2.0315	0.9449	0.059	0.748	1.283	0.354	5/16-24UNF	2.4567	0.232	7900	5200	1.81
2	A-UC210-200D1	2.0000													1.69

For oil hole on the same side as the mounting, eliminate A- prefix.

UC

Ultra-Class



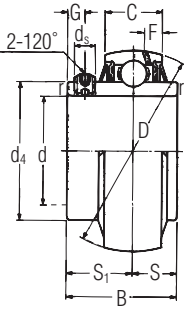
Type: insert bearing

Bearing: ball bearing

Mounting Method: set screw

Shaft Diam	Insert Bearing Number	Nominal Dimensions mm inches											Basic Load Rating		Mass lb
		d	D	B	C	rs min.	S	S1	G	ds	d4	F	N lbf dynamic Cr	N lbf static Cor	
2	A-UC211-200D1	2.0000													2.71
2 1/16	A-UC211-201D1	2.0625	100	55.6	25	2	22.2	33.4	9		69	6.0	43500	29200	2.60
2 1/8	A-UC211-202D1	2.1250	3.9370	2.1890	0.9843	0.079	0.874	1.315	0.354	5/16-24UNF	2.7165	0.236	9750	6550	2.46
2 3/16	A-UC212-203D1	2.1875													2.34
2 1/4	A-UC212-204D1	2.2500													3.66
2 5/16	A-UC212-205D1	2.3125	110	65.1	27	2	25.4	39.7	10		77	6.2	52500	36000	3.50
2 3/8	A-UC212-206D1	2.3750	4.3307	2.5630	1.0630	0.079	1.000	1.563	0.394	3/8-24UNF	3.0315	0.244	11800	8150	3.33
2 7/16	A-UC213-207D1	2.4375													3.17
2 1/2	A-UC213-208D1	2.5000	120	65.1	32	2	25.4	39.7	10		82.5	8.7	57500	40000	4.26
2 9/16	A-UC214-209D1	2.5625	4.7244	2.5630	1.2598	0.079	1.000	1.563	0.394	3/8-24UNF	3.2480	0.343	12900	9000	4.09
2 5/8	A-UC214-210D1	2.6250	125	74.6	33	2	30.2	44.4	12		87	8.8	62000	44000	5.09
2 11/16	A-UC214-211D1	2.6875	4.9213	2.9370	1.2992	0.079	1.189	1.748	0.472	3/8-24UNF	3.4252	0.346	14000	9900	4.87
2 3/4	A-UC215-212D1	2.7500													4.65
2 13/16	A-UC215-213D1	2.8125													5.73
2 7/8	A-UC215-214D1	2.8750	130	77.8	34	2	33.3	44.5	12		93	9.0	66000	49500	5.49
2 15/16	A-UC215-215D1	2.9375	5.1181	3.0630	1.3386	0.079	1.311	1.752	0.472	3/8-24UNF	3.6614	0.354	14900	11100	5.25
3	A-UC216-300D1	3.0000													4.98

For oil hole on the same side as the mounting, eliminate A- prefix.



Ultra-Class UCX

Type: insert bearing

Bearing: ball bearing

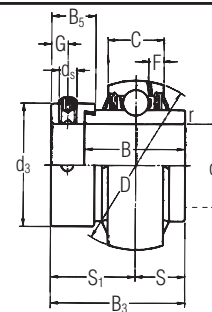
Mounting Method: set screw

Shaft Diam	Insert Bearing Number	Nominal Dimensions mm inches											Basic Load Rating		Mass lb
		d	D	B	C	rs min.	S	S1	G	ds	d4	F	N lbf dynamic Cr	N lbf static Cor	
¹³ / ₁₆	A-UCX05-013D1	0.8125													0.97
⁷ / ₈	A-UCX05-014D1	0.8750	62	38.1	19	1	15.9	22.2	5		40.8	5.1	19500	11300	0.93
¹⁵ / ₁₆	A-UCX05-015D1	0.9375	2.4409	1.5000	0.7480	0.039	0.626	0.874	0.197	¹ / ₄ -28UNF	1.6063	0.201	4400	2540	0.88
1	A-UCX05-100D1	1.0000													0.84
1 ¹ / ₁₆	A-UCX06-101D1	1.0625	72	42.9	20	1	17.5	25.4	6		46.8	5.6	25700	15300	1.61
1 ¹ / ₈	A-UCX06-102D1	1.1250	2.8346	1.6890	0.7874	0.039	0.689	1.000	0.236	⁵ / ₁₆ -24UNF	1.8425	0.220	5750	3450	1.54
1 ³ / ₁₆	A-UCX06-103D1	1.1875													1.50
1 ⁵ / ₁₆	A-UCX07-105D1	1.3125	80	49.2	21	1.5	19	30.2	8		53	6.0	29100	17800	1.87
1 ³ / ₈	A-UCX07-106D1	1.3750	3.1496	1.9370	0.8268	0.059	0.748	1.189	0.315	⁵ / ₁₆ -24UNF	2.0866	0.236	6550	4000	1.81
1 ⁷ / ₁₆	A-UCX07-107D1	1.4375													1.74
1 ¹ / ₂	A-UCX08-108D1	1.5000	85	49.2	22	1.5	19	30.2	8		57.5	5.9	32500	20400	2.16
1 ⁹ / ₁₆	A-UCX08-109D1	1.5625	3.3465	1.9370	0.8661	0.059	0.748	1.189	0.315	⁵ / ₁₆ -24UNF	2.2638	0.232	7350	4600	2.07
1 ⁵ / ₈	A-UCX09-110D1	1.6250	90	51.6	24	1.5	19	32.6	9		62.4	6.4	35000	23200	2.43
1 ¹¹ / ₁₆	A-UCX09-111D1	1.6875	3.5433	2.0315	0.9449	0.059	0.748	1.283	0.354	³ / ₈ -24UNF	2.4567	0.252	7900	5200	2.34
1 ³ / ₄	A-UCX09-112D1	1.7500													2.25
1 ⁷ / ₈	A-UCX10-114D1	1.8750	100	55.6	25	1.5	22.2	33.4	9		69	7.0	43500	29200	3.15
1 ¹⁵ / ₁₆	A-UCX10-115D1	1.9375	3.9370	2.1890	0.9843	0.059	0.874	1.315	0.354	³ / ₈ -24UNF	2.7165	0.276	9750	6550	3.04
2 ¹ / ₁₆	A-UCX11-201D1	2.0625	110	65.1	27	2	25.4	39.7	10		77	7.7	52500	36000	4.43
2 ¹ / ₈	A-UCX11-202D1	2.1250	4.3307	2.5630	1.0630	0.079	1.000	1.563	0.394	³ / ₈ -24UNF	3.0315	0.303	11800	8150	4.30
2 ³ / ₁₆	A-UCX11-203D1	2.1875													4.12
2 ³ / ₈	A-UCX12-206D1	2.3750	120	65.1	32	2	25.4	39.7	10		82.5	8.7	57500	40000	4.96
2 ⁷ / ₁₆	A-UCX12-207D1	2.4375	4.7244	2.5630	1.2598	0.079	1.000	1.563	0.394	³ / ₈ -24UNF	3.2480	0.343	12900	9000	4.81
2 ¹ / ₂	A-UCX13-208D1	2.5000	125	74.6	33	2	30.2	44.4	12		87	8.8	62000	44000	5.60
2 ⁹ / ₁₆	A-UCX13-209D1	2.5625	4.9213	2.9370	1.2992	0.079	1.189	1.748	0.472	¹ / ₂ -20UNF	3.4252	0.346	14000	9900	5.38
2 ⁵ / ₈	A-UCX14-210D1	2.6250	130	77.8	34	2	33.3	44.5	12		93	9.0	66000	49500	5.93
2 ¹¹ / ₁₆	A-UCX14-211D1	2.6875	5.1181	3.0630	1.3386	0.079	1.311	1.752	0.472	¹ / ₂ -20UNF	3.6614	0.354	14900	11100	5.69
2 ³ / ₄	A-UCX14-212D1	2.7500													5.47
2 ¹³ / ₁₆	A-UCX15-213D1	2.8125													7.43
2 ⁷ / ₈	A-UCX15-214D1	2.8750	140	82.6	35	2	33.3	49.3	12		98.1	9.5	72500	53000	7.19
2 ¹⁵ / ₁₆	A-UCX15-215D1	2.9375	5.5118	3.2520	1.3780	0.079	1.311	1.941	0.472	¹ / ₂ -20UNF	3.8622	0.374	16300	11900	6.92
3	A-UCX15-300D1	3.0000													6.66
3 ¹ / ₁₆	A-UCX16-301D1	3.0625	150	85.7	36	2.5	34.1	51.6	12		106.4	10.1	83500	64000	8.75
3 ¹ / ₈	A-UCX16-302D1	3.1250	5.9055	3.3740	1.4173	0.098	1.343	2.031	0.472	¹ / ₂ -20UNF	4.1890	0.398	18700	14300	8.47
3 ³ / ₁₆	A-UCX16-303D1	3.1875													8.18
3 ⁵ / ₁₆	A-UCX17-305D1	3.3125	160	96	37	2.5	39.7	56.3	12		111.6	9.8	96000	71500	10.8
3 ⁷ / ₁₆	A-UCX17-307D1	3.4375	6.2992	3.7795	1.4567	0.098	1.563	2.217	0.472	¹ / ₂ -20UNF	4.3937	0.386	21600	16100	10.1
3 ⁷ / ₈	A-UCX18-307D1	3.4375	170	104	39	2.5	42.9	61.1	14		118.2	10.5	109000	82000	13.3
3 ¹ / ₂	A-UCX18-308D1	3.5000	6.6929	4.0945	1.5354	0.098	1.689	2.406	0.551	⁹ / ₁₆ -18UNF	4.6535	0.413	24500	18400	12.4

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

UEL

Ultra-Class



Type: insert bearing

Shaft Height: ball bearing

Mounting Method: eccentric locking collar

Shaft Diam	Insert Bearing Number	Nominal Dimensions mm inches													Basic Load Rating		Mass lb
		d	D	B3	B	C	rs min.	S	S1	G	ds	d3	B5	F	N lbf dynamic Cr	N lbf static Cor	
3/4	A-UEL204-012D1	0.7500	47 1.8504	43.7 1.720	34.2 1.3465	17 0.6693	1 0.039	17.1 0.673	26.6 1.047	4.8 0.189	1/4-28UNF	33 1.299	13.5 0.531	4.7 0.185	12800 2890	6650 1500	0.45
13/16	A-UEL205-013D1	0.8125															0.61
7/8	A-UEL205-014D1	0.8750	52	44.4	34.9	17	1	17.5	26.9	4.8		38	13.5	4.5	14000	7850	0.58
15/16	A-UEL205-015D1	0.9375	2.0472	1.748	1.3740	0.6693	0.039	0.689	1.059	0.189	1/4-28UNF	1.496	0.531	0.177	3150	1770	0.58
1	A-UEL205-100D1	1.0000															0.51
1 1/16	A-UEL206-101D1	1.0625															0.94
1 1/8	A-UEL206-102D1	1.1250	62	48.4	36.5	19	1	18.3	30.1	6		44.5	15.9	4.6	19500	11300	0.89
1 3/16	A-UEL206-103D1	1.1875	2.4409	1.906	1.4370	0.7480	0.039	0.720	1.185	0.236	5/16-24UNF	1.752	0.626	0.181	4400	2540	0.84
1 1/4	A-UEL206-104D1	1.2500															0.80
1 1/4	A-UEL207-104D1	1.2500															1.45
1 5/16	A-UEL207-105D1	1.3125	72	51.1	37.6	20	1.5	18.8	32.3	6.8		55.5	17.5	4.6	25700	15300	1.40
1 3/8	A-UEL207-106D1	1.3750	2.8346	2.012	1.4803	0.7874	0.059	0.740	1.272	0.268	3/8-24UNF	2.185	0.689	0.181	5750	3450	1.35
1 7/16	A-UEL207-107D1	1.4375															1.28
1 1/2	A-UEL208-108D1	1.5000	80	56.3	42.9	21	1.5	21.4	34.9	6.8		60	18.3	4.5	29100	17800	1.90
1 9/16	A-UEL208-109D1	1.5625	3.1496	2.217	1.6850	0.8268	0.059	0.843	1.374	0.268	3/8-24UNF	2.362	0.720	0.177	6550	4000	1.82
1 5/8	A-UEL209-110D1	1.6250															2.05
1 11/16	A-UEL209-111 D1	1.6875	85	56.3	42.8	22	1.5	21.4	34.9	6.8		63.5	18.3	4.9	32500	20400	1.97
1 3/4	A-UEL209-112D1	1.7500	3.3465	2.217	1.6850	0.8661	0.059	0.843	1.374	0.268	3/8-24UNF	2.500	0.720	0.193	7350	4600	1.88
1 13/16	A-UEL210-113D1	1.8125															2.46
1 7/8	A-UEL210-114D1	1.8750	90	62.7	49.2	24	1.5	24.6	38.1	6.8		69.5	18.3	5.9	35000	23200	2.36
1 15/16	A-UEL210-115D1	1.9375	3.5433	2.469	1.9370	0.9449	0.059	0.969	1.500	0.268	3/8-24UNF	2.736	0.720	0.252	7900	5200	2.25
2	A-UEL210-200D1	2.0000															2.09
2	A-UEL211-200D1	2.0000															3.28
2 1/16	A-UEL211-201D1	2.0625	100	71.4	55.5	25	2	27.8	43.6	8		76	20.7	6.0	43500	29200	3.12
2 1/8	A-UEL211-202D1	2.1250	3.9370	2.811	2.1850	0.9843	0.079	1.094	1.717	0.315	3/8-24UNF	2.992	0.815	0.236	9750	6550	3.02
2 3/16	A-UEL211-203D1	2.1875															2.90
2 1/4	A-UEL212-204D1	2.2500															4.38
2 5/16	A-UEL212-205D1	2.3125	110	77.8	61.9	27	2	31	46.8	8		84	22.3	6.2	52500	36000	4.22
2 3/8	A-UEL212-206D1	2.3750	4.3307	3.063	2.4370	1.0630	0.079	1.220	1.843	0.315	3/8-24UNF	3.307	0.878	0.303	11800	8150	4.05
2 7/16	A-UEL212-207D1	2.4375															3.88
2 1/2	A-UEL213-208D1	2.5000	120	85.7	68.3	32	2	34.15	51.55	8.7		97	23.8	8.7	57500	40000	5.47
2 9/16	A-UEL213-209D1	2.5625	4.7244	3.374	2.6890	1.2598	0.079	1.344	2.030	0.343	3/8-24UNF	3.819	0.937	0.343	12900	9000	5.30
2 5/8	A-UEL214-210D1	2.6250															5.67
2 11/16	A-UEL214-211D1	2.6875	125	85.7	68.3	33	2	34.15	51.55	8.7		97	23.9	8.8	62000	44000	5.45
2 3/4	A-UEL214-212D1	2.7500	4.9213	3.374	2.6890	1.2992	0.079	1.344	2.030	0.343	3/8-24UNF	3.819	0.937	0.346	14000	9900	5.18
2 13/16	A-UEL215-213D1	2.8125															6.39
2 7/8	A-UEL215-214D1	2.8750	130	92	74.6	34	2	37.3	54.7	8.7		102	23.8	9.0	66000	49500	6.15
2 15/16	A-UEL215-215D1	2.9375	5.1181	3.622	2.9370	1.3386	0.079	1.469	2.154	0.343	3/8-24UNF	4.016	0.937	0.354	14900	11100	5.91
3	A-UEL215-300D1	3.0000															5.60

For oil hole on the same side as the mounting, eliminate A- prefix.

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Interchanges Ultra-Class

STANDARD DUTY (200-SERIES) UNITS-CAST IRON

MOUNTING TYPE	SHAFT HEIGHT	NTN	FAFNIR	SEAL MASTER	DODGE	BROWNING	SKF
Pillow Block							
Set Screw	High Base	UCP	YAS, RASC*	NP, RP	P2B-SC	MPS-2, VPS-2	SY-TM
	Low Base	UCPL	YAK	NPL, RPL	P2B-SCB	MPLS-2, VPLS-2	SYM-TM
Eccentric	High Base	UELP	RAS	RP-E	P2B-SXR	MPE-2, VPE-2	SY-WM
	Low Base	UELPL	RAK	RPL-E	P2B-SXRB	MPLE-2, VPLE-2	SYH-WM
4 Bolt Flange							
Set Screw		UCFU	YCJ, RCJC*	SF, RF	F4B-SC	MF4S-2, VF4S-2	FY-TM
Eccentric		UELFU	RCJ	RF-E	F4B-SXR	MF4E-2, VF4E-2	FY-WM
2 Bolt Flange							
Set Screw		UCFLU	YCJT, RCJTC*	SFT, RFT	F2B-SC	MF2S-2, VF2S-2	FYT-TM
Eccentric		UELFLU	RCJT	RFT-E	F2B-SXR	MF2E-2, VF2E-2	FYT-WM

MEDIUM DUTY (X-SERIES) UNITS-CAST IRON

MOUNTING TYPE	HOUSING TYPE	NTN	FAFNIR	SEAL MASTER	DODGE	BROWNING	SKF
Set Screw	Pillow Block	UCPX	YASM	MP, MRP	P2B-SCM	VPS-3	SYM-TM
Set Screw	4 Bolt Flange	UCFUX	YCJM	MSF, MRF	F4B-SCM	VF4S-3	FYM-TM
Set Screw	2 Bolt Flange	UCFLUX	YCJTM	MSFT	F2B-SCM	VF2S-3	FYTM-TM

*Uses concentric locking collar.

Terms and Conditions of Sale

Offer, Acceptance. These terms and conditions (including the reverse, these "Terms"; and this agreement, this "Agreement") are deemed part of all quotations, acknowledgments, invoices, purchase orders and other documents, whether electronic or in writing, relating to the sale of goods and services (collectively, the "Goods") by Seller. If these Terms differ in any way from any purchase order, release or other document, whether electronic or in writing, from Buyer, these Terms shall be construed as a counteroffer and will not be effective as an acceptance of any thereof except on the express condition that Buyer assents to these Terms; provided that Buyer is deemed to have accepted these Terms upon the earlier of 10 days after receipt without objection and acceptance by Buyer of any Goods.

Warranties. (a) **Exclusive Warranty.** The exclusive Seller warranty is that the Goods are free from defects in materials and workmanship. This warranty is extended solely to Buyer and not to any successive buyers, users or other third parties. (b) **Limitations.** SELLER MAKES NO WARRANTY OR REPRESENTATION, EXPRESS OR IMPLIED, ABOUT THE MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OF THE GOODS. BUYER ACKNOWLEDGES THAT IT ALONE HAS DETERMINED THAT THE GOODS WILL SUITABLY MEET THE REQUIREMENTS OF THEIR INTENDED USE. SELLER DISCLAIMS ALL OTHER EXPRESS WARRANTIES. (c) **Buyer Remedy.** The exclusive remedy of Buyer as to any Good is that Seller shall repair or replace (at Seller's option) the Good (with Buyer responsible for labor charges for removal or replacement thereof), such obligation being subject to the following: (i) the Good's application was approved by Seller; (ii) Buyer delivers the Good to Seller with transportation charges prepaid; and (iii) analysis by Seller verifies that the Good was properly handled, installed, maintained, lubricated and not subject to abuse, misuse or inappropriate modification.

Delivery; Packaging. (a) **Dates.** Delivery and shipment dates are estimated dates only. (b) **Partial Shipment; Etc.** Each partial shipment is deemed a separate contract for the delivered Goods. (c) **Shipment Terms.** All shipments are freight collect - FOB shipping point and Seller reserves the right to select transportation methods and routing. (d) **Packaging.** Seller will package Goods as it deems proper for protection against normal handling and extra charges apply to special conditions. (e) **Risk of Loss.** Risk of loss will pass to Buyer upon tender by Seller at the point of shipment defined as Seller's dock.

Pricing; Payment; Etc. (a) **Pricing.** Prices are subject to change without notice, and prices in effect on the shipping date will govern. Any increases in freight rates or transportation charges before shipment will be for Buyer's account. Prices also are subject to increase for any taxes, duties (including dumping duties) or other charges imposed on Seller by any governmental authority for the sale, delivery or use of the Goods. (b) **Payment.** Terms of payment (if any) are on the face hereof and apply from the invoice date. If Buyer fails to make any payment when due or Seller otherwise deems itself insecure, Seller reserves the right to change terms of payment and discontinue shipments; and Buyer agrees to pay Seller's customary late and interest charges for any failed or late payments.

Inspection; Etc. Buyer promptly shall inspect all delivered Goods. If Buyer does not inspect any Goods within five days of delivery, Buyer is deemed to have waived its right to inspect and to have accepted the Goods. Buyer must report to Seller shortages or defective Goods within ten days of receipt. Buyer may not return Goods without Seller's written consent, and if Buyer accepts any Goods, such acceptance shall be final and irrevocable.

Cancellation; Etc. Orders approved and accepted by Seller shall constitute firm commitments of Buyer and are not subject to cancellation or rescheduling. Orders for non-standard Goods not listed in Seller's catalogs may not be canceled at all, nor will Seller accept return of such Goods for credit.

Indemnities. Buyer shall indemnify and hold harmless Seller and its employees and representatives from and against all liabilities, losses, claims, actions, costs, expenses and disbursements (including attorney's fees and disbursements) related to any investigation, litigation or other proceeding (whether or not Seller is a party thereto) which arises or is alleged to arise from Buyer's acts or omissions under these Terms. Without limiting the foregoing, Buyer (at its own expense) shall indemnify and hold harmless Seller and defend or settle any action brought against Seller to the extent that it is based on a claim that any Good made to Buyer specifications infringed intellectual property rights of another party.

Confidentiality; Inventions. (a) **Confidentiality.** All information and materials supplied by Seller to Buyer relating to the Goods are confidential and proprietary, and Buyer shall limit distribution thereof to its trusted employees and otherwise use its best efforts to preserve the confidentiality thereof. (b) **Inventions; Etc.** If Seller or any of its affiliates makes a discovery or invention pertaining to any research, development or design work contemplated hereby, such discovery or invention shall be the sole property of Seller and licensing shall be at the sole discretion of Seller.

Force Majeure. Seller shall not be liable for any delay or failure in delivery resulting from causes beyond its control, including earthquakes, fires, floods, strikes or other labor disputes, shortage of labor or materials, accidents to machinery, acts of sabotage, riots, year-2000 related computer malfunctions, delay in or lack of transportation or the requirements of any government authority.

Damage Limits; Etc. SELLER SHALL NOT BE LIABLE FOR SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES, LOSS OF PROFITS OR COMMERCIAL LOSS IN ANY WAY CONNECTED WITH THE GOODS, WHETHER SUCH CLAIM IS BASED IN CONTRACT, WARRANTY, NEGLIGENCE OR STRICT LIABILITY. Further, in no event shall liability of Seller for any act exceed the individual price of the Good on which liability is asserted. Any action by Buyer must be commenced within one year after the sale of such Good by Seller.

Miscellaneous. (a) **Waiver.** No failure or delay by Seller in exercising any right and no course of dealing between Buyer and Seller shall operate as a waiver of rights by Seller. (b) **Assignment.** Buyer may not assign its rights hereunder without the Seller's written consent. (c) **Law.** This Agreement is governed by Illinois law (without regard to conflict of law principles). (d) **Amendment.** This Agreement constitutes the entire agreement between Buyer and Seller relating to the Goods, and no provision may be changed or waived unless in a writing signed by the parties. (e) **Severability.** If any provision hereof is rendered ineffective or invalid, such provision shall not invalidate any other provision. (f) **Setoff.** All claims hereunder by Seller are subject to setoff by Seller for any counterclaim arising out of any transaction with Buyer. (g) **Tooling; Etc.** All materials, equipment, facilities and special tooling Seller uses to manufacture Goods shall remain the property of Seller. (h) **Definitions.** As used herein, "including" means "including without limitation."

Ultra-Class Bearing Units



NTN Bearing Corporation of Canada:

Corporate Office

305 Courtneypark Drive West
Mississauga, Ontario L5W 1Y4
Tel: (905) 564-2700
Fax: (905) 564-9023
1-866-827-7950

Moncton Branch

270 Baig Blvd., Unit A16
Moncton, New Brunswick E1E 1C8
Tel: (506) 858-9954
Fax: (506) 858-9168
1-800-561-7011

Montreal Branch

4973 Levy St.
St. Laurent, Quebec H4R 2N9
Tel: (514) 333-8054
Fax: (514) 333-1078
1-800-361-6827

Toronto Branch

305 Courtneypark Drive West
Mississauga, Ontario L5W 1Y4
Tel: (905) 564-9600
Fax: (905) 564-9609
1-800-263-6124

Edmonton Branch

4608 97th Street
Edmonton, Alberta T6E 5N9
Tel: (780) 435-6200
Fax: (780) 435-3600
1-800-661-7320

Vancouver Branch

201-669 Ridley Place
Annacis Island, Delta, B.C. V3M 6Y9
Tel: (604) 517-1777
Fax: (604) 517-1794
1-800-972-8451

NTN Bearing Corporation of America:

Corporate Office

1600 East Bishop Court
Mt. Prospect, IL 60056-7604
Tel: (847) 298-7500
Fax: (847) 699-9744
1-800-468-6528

Eastern Region

650 Pennsylvania Avenue
Exton, PA 19341
Tel: (610) 458-1100
Fax: (610) 458-1063
1-800-394-4686

Southeast Region

5475 Peachtree Industrial Boulevard
Norcross, GA 30092
Tel: (770) 448-4710
Fax: (770) 448-6969
1-800-241-0568

Central Sales Office

111 W. Washington Street, Suite 310
East Peoria, IL 61611
Tel: (309) 699-8600
Fax: (309) 699-8670
1-800-545-0434

Great Lakes Sales Office

1600 East Bishop Court
Mt. Propsect, IL 60056-7604
Tel: (847) 699-4060
Fax: (847) 294-1364
1-800-252-8123

Western Sales Office

5800 Circle Campus Drive East, Suite 180A
Irving, TX 75063
Tel: (972) 751-1818
Fax: (972) 751-1836
1-800-441-0825



NTN corporation

<http://www.ntnamerica.com>

<http://www.ntn.ca>