

+ BALL BEARING UNITS



Dimension

HOUSING														
BEARING				Page Nos.		Page Nos.		Page Nos.		Page Nos.		Page Nos.		Page Nos.
Set screw type		UC2 B312	UCP2 B4	UCHP2 B26				UCF2 B42	UCFC2 B66	UCFL2 B78				
		UC3 B318	UCPL2 B22	UCUP2 B30				UCF3 B48		UCFL3 B84				
		UCX B324	UCP3 B10				UCFS3 B60							
		UCX B324	UCPX B16				UCFX B54	UCFCX B72	UCFLX B90					
		AS2 B328	ASPL2 B34		ASPP2 B38	ASRPP2 B40				ASFB2 B100	ASFD2 B102			
Eccentric locking collar type		UEL2 B336	UELHP2 B162	UELUP2 B164			UELF2 B174	UELFU2 B184	UELFC2 B194	UELFL2 B198	UELFLU2 B208			
		UEL3 B340	UELPL2 B158				UELF3 B178	UELFS3 B188		UELFL3 B202				
		AEL2 B346	AELPL2 B166		AELPP2 B170					AELFB2 B212	AELFD2 B214	JELFD2 B216		
		JEL2 B348	JELPL2 B168		AELRPP2 B172									
Adapter type		UK2 B354	UKP2 B248				UKF2 B260	UKFC2 B276	UKFL2 B284					
		UK3 B358	UKP3 B252				UKF3 B264	UKFS3 B272	UKFL3 B288					
		UKX B362	UKPX B256				UKFX B268	UKFCX B280	UKFLX B292					
Other bearings				AR2 B332	REL2 B350	UCS2 B366	UCS3 B370	ASS2 B374						

Table

	Page Nos.		Page Nos.		Page Nos.		Page Nos.		Page Nos.		Page Nos.
UCFA2	B92			UCHB2	B110	UCT2	B114	UCT2- UCL2- UCM2-	B130 B132 B134	UCC2	B140
UCFH2	B96					UCT3	B120	UCM3-	B136	UCC3	B142
						UCTX	B126			UCCX	B146
		ASPF2 ASRPF2 ASPFL2	B104 B106 B108					ASPT2-	B138		
						UELT2	B228			UELC2	B242
						UELT3	B232			UELC3	B244
		AELPF2 JELPF2 AELRPF2 AELPFL2 JELPFL2	B218 B220 B222 B224 B226					AELPT2- JELPT2-	B238 B240		
						UKT2	B294			UKC2	B306
						UKT3	B298			UKC3	B308
						UKTX	B302			UKCX	B310
UELS2	B376	UELS3	B380	AELS2	B384	JELS2	B386			CS2	B388

Technical Data

Set screw type

Eccentric locking collar type

Adapter type

Ball bearings

Ball Bearing Units

CAT. No. E1154e

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1. Construction

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

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

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

provided on both sides.

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

- (1) The inner ring is fastened onto the shaft in two places by set screws.
- (2) The inner ring has a tapered bore and is fitted to the shaft by means of an adapter.
- (3) In the eccentric locking collar system the inner ring is fastened to the shaft by means of eccentric grooves provided at the side of the inner ring and on the collar.

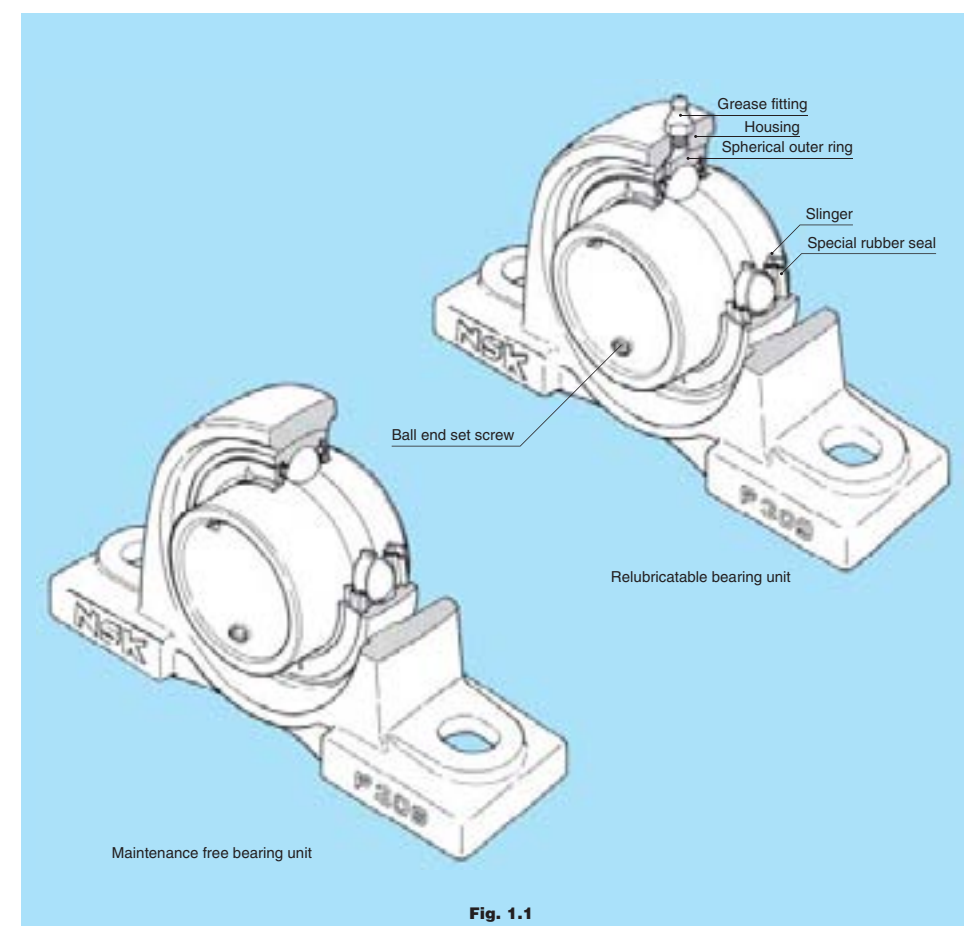


Fig. 1.1

2. Design Features and Advantages

2.1 Maintenance free type

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

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

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

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

2.2 Relubricatable type

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

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

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

- (1) Cases where the temperature of the bearing rises above 100°C, 212°F:
* -Normal temperature of up to 130°C, 266°F heat-resistant bearing units.
- (2) Cases where there is excessive dust, but space does not permit using a bearing unit with a cover.
- (3) Cases where the bearing unit is constantly exposed to splashes of water or any other liquid, but space does not permit using a bearing unit with a cover.
- (4) Cases in which the humidity is very high, and the machine in which the bearing unit is used is run

only intermittently.

- (5) Cases involving a heavy load of which the C/P_r value is about 10 or below, and the speed is 10 min⁻¹ or below, or the movement is oscillatory.
- (6) Cases where the number of revolutions is relatively high and the noise problem has to be considered; for example, when the bearing is used with the fan of an air conditioner.

2.3 Special sealing feature

2.3.1 Standard bearing units

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

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

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

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

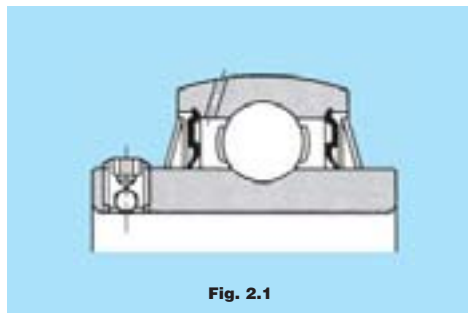


Fig. 2.1

2.3.2 Bearing units with covers

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

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

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

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

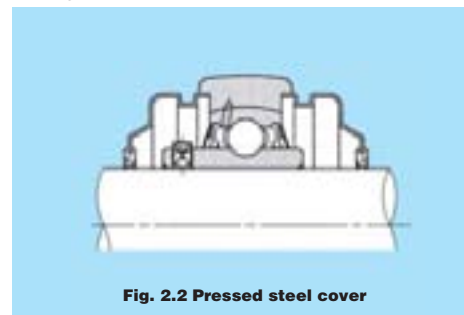


Fig. 2.2 Pressed steel cover

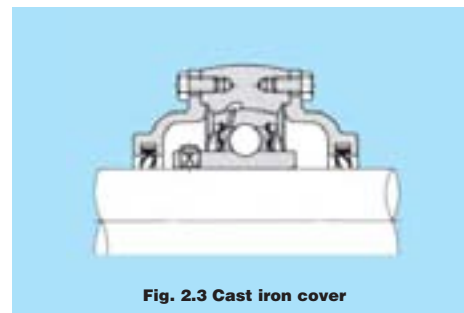


Fig. 2.3 Cast iron cover

2.4 Secure fitting

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

2.5 Self-aligning

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

2.6 Higher rated load capacity

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

2.7 Light weight yet strong housing

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

2.8 Easy mounting

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

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

2.9 Accurate fitting of the housing

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

2.10 Bearing replaceability

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

3. Tolerance

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

3.1 Tolerances of ball bearings for the unit

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



Set screw type

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

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

Remarks Symbols
 Δd_{imp} :Mean bore diameter deviation V_{dp} :Bore diameter variation ΔB_{in} :Inner ring width deviation ΔC_{in} :Outer ring width deviation

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

Nominal bore diameter <i>d</i>				Cylindrical bore diameter		
over		incl.		Δd_{imp} Deviations		<i>V_{dp}</i> Variations
mm	inch	mm	inch	high	low	max.
10	0.3937	18	0.7087	+13 + 5	0 0	6 2
18	0.7087	31.75	1.2500	+13 + 5	0 0	6 2
31.75	1.2500	50.8	2.0000	+13 + 5	0 0	6 2
50.8	2.0000	80	3.1496	+15 + 6	0 0	8 3

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

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

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

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

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

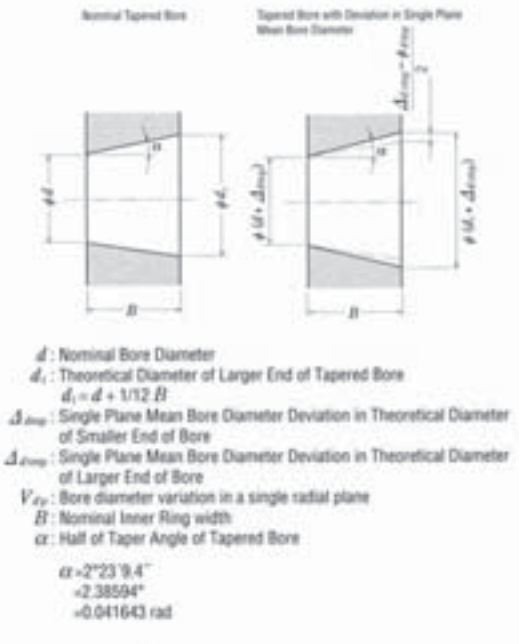


Table 3.3 Outer ring

Unit: $\mu\text{m}/0.0001\text{ inch}$

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

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

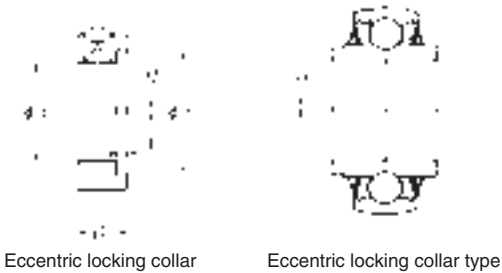


Table 3.4 Eccentric locking collar

Unit: mm/inch

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

3.2 Tolerances of housings

Table 3.5 Spherical bore diameter of housings

Unit: $\mu\text{m}/0.0001\text{ inch}$

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

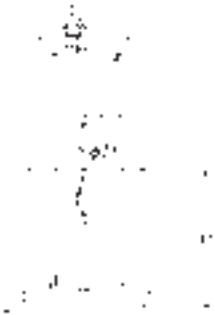
Remarks 1.Symbols Δ_{Damp} :Mean spherical bore diameter deviation
2.Dimensional tolerances for spherical bore diameter of housing are classified as H7 for clearance fit, and J7 for intermediate fit.
3.Spherical bore diameter of housings are finished by following tolerance classes such as 52mm or less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

Table 3.6 Pillow block housings (P, PL, HP, UP)

Unit: mm/inch

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

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



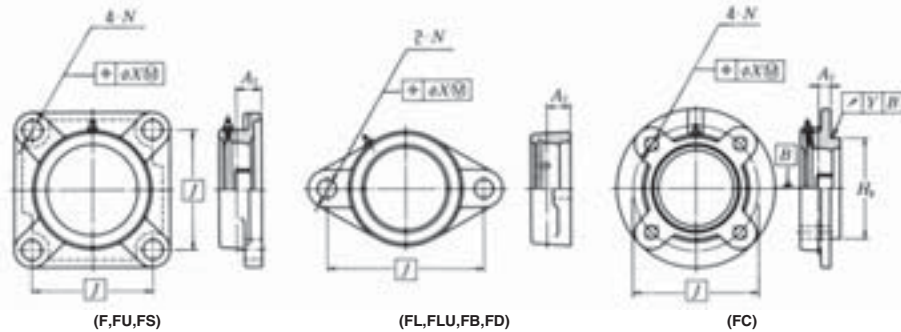


Table 3.7 (1) Flange unit housings (F, FU, FC, FS, FL, FLU, FB, FD)

Unit: mm/inch

Housing numbers							location tolerance of bolt hole X	A ₂ Deviations ΔA _{2s}	H ₃ Deviations ΔH _{3s}						Radial runout of spigot joint Y
									FC2		FS3		FCX		
									high	low	high	low	high	low	
—	—	—	—	—	—	FD201	0.7 0.028	±0.5 ±0.020	0	-0.046 -0.0018	0	-0.046 -0.0018	0	-0.046 -0.0018	0.2 0.008
F204	—	—	FC204	—	FL204	—									
F205	F305	FX05	FC205	FS305	FL205	FL205									
F206	F306	FX06	FC206	FS306	FL206	FL206									
F207	F307	FX07	FC207	FS307	FL207	FL207									
F208	F308	FX08	FC208	FS308	FL208	FL208									
F209	F309	FX09	FC209	FS309	FL209	FL209									
F210	F310	FX10	FC210	FS310	FL210	FL210	1 0.039	±0.8 ±0.032	0	-0.054 -0.0021	0	-0.054 -0.0021	0	-0.054 -0.0021	0.3 0.012
F211	F311	FX11	FC211	FS311	FL211	FL211									
F212	F312	FX12	FC212	FS312	FL212	FL212									
F213	F313	FX13	FC213	FS313	FL213	FL213									
F214	F314	FX14	FC214	FS314	FL214	FL214									
F215	F315	FX15	FC215	FS315	FL215	FL215									
F216	F316	FX16	FC216	FS316	FL216	FL216									
F217	F317	FX17	FC217	FS317	FL217	FL217									
F218	F318	FX18	FC218	FS318	FL218	FL218									
—	F319	—	—	FS319	—	FL319									
—	F320	FX20	—	FS320	—	FL320									
—	F321	—	—	FS321	—	FL321									
—	F322	—	—	FS322	—	FL322									
—	F324	—	—	FS324	—	FL324									
—	F326	—	—	FS326	—	FL326									
—	F328	—	—	FS328	—	FL328									

Remarks

1. J is the bolt hole's center line dimension, and P.C.D. A₂ is distance between the center line of spherical bore diameter of the housing and mounting surfaces, and H₃ is outside diameter of the spigot joint.
2. Radial runout of spigot joint is applied for flange units with spigot joints.
3. For FU2 and FLU2 types, tolerances for F2 shall be applied.
4. For FCX and FLX types, tolerances for FX shall be applied.
5. This table can be applied for bearing units with dust covers.

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

Housing type	Nominal bore diameter N				N Deviations ΔN _s	
	over mm	inch	incl. mm	inch	mm	inch
F, FU, FC, FS	—	—	30	1.1811	±0.2	±0.008
FA, FH, FLU	30	1.1811	41	1.6142	±0.3	±0.012

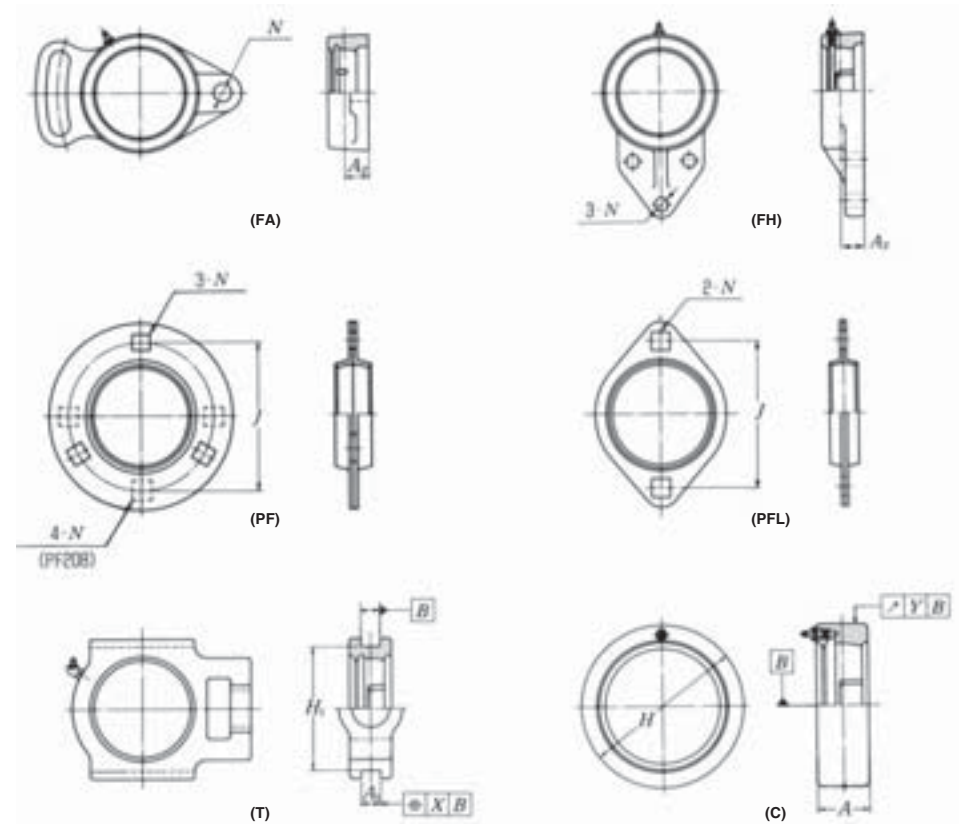


Table 3.8 Flange unit housings (FH, FA, PF, PFL)

Unit: mm/inch

Housing numbers	A ₂ Deviations ΔA _{2s}	Housing numbers	J Deviations ΔJ _s	N Deviations ΔN _s
—	±0.5 ±0.020	PF203	±0.4 ±0.016	±0.25 ±0.010
FH, FA204		PF204		
FH, FA205		PF205		
FH, FA206		PF206		
FH, FA207		PF207		
FH, FA208		PF208		
FH, FA209		PFL203		
FH, FA210		PFL204		
		PFL205		
FA211	±0.8 ±0.032	PFL206		
		PFL207		

Remarks

1. A₂ is distance between the center line of spherical bore diameter of housings.
2. J is the bolt hole's center line dimension.

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

Housing numbers			A_1 Deviations ΔA_{1is}	H_1 Deviations ΔH_{1is}		Parallelism of guide X
				high	low	
T204	—	—	+0.2 0 +0.008 0	0 0	-0.5 -0.020	0.5 0.020
T205	T305	TX05				
T206	T306	TX06				
T207	T307	TX07				
T208	T308	TX08				
T209	T309	TX09				
T210	T310	TX10	+0.3 0 +0.012 0	0 0	-0.8 -0.032	0.6 0.024
T211	T311	TX11				
T212	T312	TX12				
T213	T313	TX13				
T214	T314	TX14				
T215	T315	TX15				
T216	T316	TX16				
T217	T317	TX17				0.7 0.028
—	T318	—				
—	T319	—				
—	T320	—				
—	T321	—				
—	T322	—				
—	T324	—				0.8 0.032
—	T326	—				
—	T328	—				

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

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

Housing numbers			H Deviations ΔH_s						Radial runout of outside surface γ	A Deviations ΔA_s
			C2 Series		C3 Series		CX Series			
			high	low	high	low	high	low		
C204	—	—	0	-0.030	—	—	—	—	0.2 0.008	± 0.2 ± 0.008
C205	C305	CX05	0	-0.0012	0	-0.035 -0.0014	0	-0.035 -0.0014		
C206	C306	CX06								
C207	C307	CX07								
C208	C308	CX08								
C209	C309	CX09								
C210	C310	CX10	0	-0.035 -0.0014	0	-0.040 -0.0016	0	-0.040 -0.0016	0.3 0.012	± 0.3 ± 0.012
C211	C311	CX11								
C212	C312	CX12								
C213	C313	—								
—	C314	—	—	—	—	—	—	—		
—	C315	—								
—	C316	—								
—	C317	—								
—	C318	—								
—	C319	—								
—	C320	—								
—	C321	—								
—	C322	—								
—	C324	—								
—	C326	—								
—	C328	—								

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

4. Basic Load Rating and Life

4.1 Bearing life

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

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

4.2 Basic rated life and basic dynamic load rating

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

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

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

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

manufacturing techniques.

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

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

where,

- L_{10} : Basic rated life 10⁶ revolutions
- C_r : Basic dynamic rated load, N, lbf
- P_r : Equivalent dynamic load, N, lbf

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

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

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

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

where,

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

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

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

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

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

$$L = \frac{1}{\left(\frac{1}{L_1^{1/11}} + \frac{1}{L_2^{1/11}} + \dots + \frac{1}{L_n^{1/11}}\right)^{11/11}} \dots\dots\dots(4.6)$$

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

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

$$L_1 = \frac{10^6}{60n_1} \left(\frac{C_r}{P_1}\right)^3$$

$$L_2 = \frac{10^6}{60n_2} \left(\frac{C_r}{P_1}\right)^3$$

$$\vdots$$

$$L_n = \frac{10^6}{60n_n} \left(\frac{C_r}{P_n}\right)^3$$

$$L_m = \left(\frac{\phi_1}{L_1} + \frac{\phi_2}{L_2} + \dots + \frac{\phi_n}{L_n}\right)^{-1} \dots\dots\dots(4.7)$$

where,
 $L_1, L_2, \dots L_n$: Rated life under condition 1, 2, $\dots n$, h
 $n_1, n_2, \dots n_n$: Number of revolutions under condition 1, 2, $\dots n$, min^{-1}
 $P_1, P_2, \dots P_n$: Equivalent load under condition 1, 2, $\dots n$, N, lbf
 $\phi_1, \phi_2, \dots \phi_n$: Ratio of condition 1, 2, $\dots n$ accounting for the total operating time
 L_m : Built-in life, h

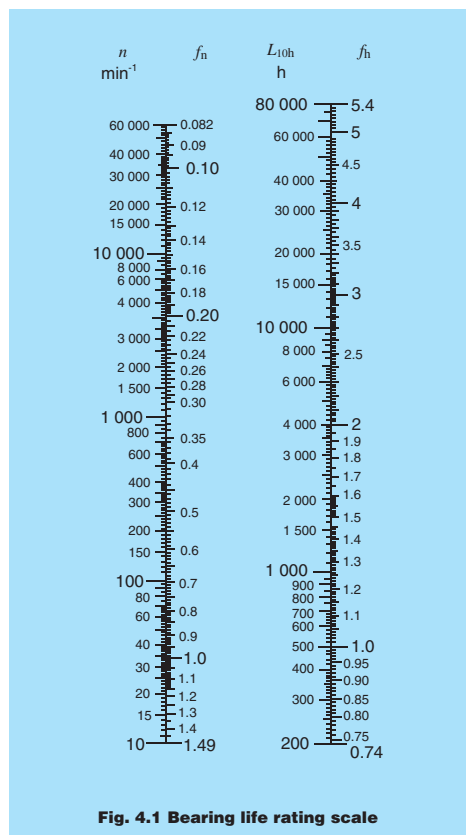


Table 4.1 Rating life for applications

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

4.3 Basic static load rating

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

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

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

For ball bearings (for bearing unit): 4 200 MPa

4.4 Allowable static equivalent load

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

In the following formula (4.8) and Table 4.2 the safety factor S_0 can be determined considering the maximum static equivalent load.

$$S_0 = \frac{C_0}{P_{0 \max}} \dots\dots\dots(4.8)$$

where,

S_0 : Safety factor

C_0 : Basic static rated load, N, lbf

$P_{0 \max}$: Maximum static equivalent load, N, lbf

Table 4.2 Minimum safety factor values S_0

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

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

5. Bearing Internal Clearance

5.1 Bearing internal clearance

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

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

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

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

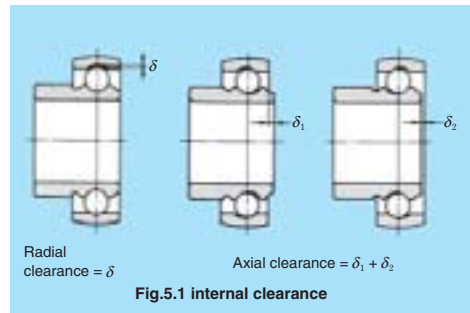


Table 5.1 Adjustment of radial internal clearance based on measured load Unit μm

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

5.2 Internal clearance selection

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

Effective internal clearance:

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

$$\delta_{\text{eff}} = \delta_o - (\delta_i + \delta_t) \quad (5.1)$$

where,

δ_{eff} : Effective internal clearance, mm

δ_o : Bearing internal clearance, mm

δ_i : Reduced amount of clearance due to interference, mm

δ_t : Reduced amount of clearance due to temperature differential of inner and outer rings, mm

Reduced clearance due to interference:

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

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

where,

δ_i : Reduced amount of clearance due to interference, mm

Δd_{eff} : Effective interference, mm

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

During operation, normally the outer ring will be from 5° to 10°C cooler than the inner ring or rotating parts. However, if the cooling effect of the housing is large,

the shaft is connected to a heat source, or a heated substance is conducted through the hollow shaft; the temperature difference between the two rings can be ever greater. The amount of internal clearance is thus further reduced by the differential expansion of the two rings.

$$\delta_t = \alpha \cdot \Delta T \cdot D_o \quad (5.3)$$

where,

δ_t : Amount of reduced clearance due to heat differential, mm

α : Bearing steel linear expansion coefficient $12.5 \times 10^{-6}/^\circ\text{C}$

ΔT : Inner/outer ring temperature differential, °C

D_o : Outer ring raceway diameter, mm

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

For ball bearings,

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

where,

d : Bearing bore diameter, mm

D : Bearing outside diameter, mm

5.3 Bearing internal clearance selection standards

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

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

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

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

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

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

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

Nominal bore diameter <i>d</i>		Radial internal clearance							
		C2		CN		C3		C4	
over mm inch	incl. mm inch	min.	max.	min.	max.	min.	max.	min.	max.
10	0.3937	18	0.7087	0	0	9	4	3	1
18	0.7087	24	0.9449	0	0	10	4	5	2
24	0.9449	30	1.1811	1	0	11	4	5	2
30	1.1811	40	1.5748	1	0	11	4	6	2
40	1.5748	50	1.9685	1	0	11	4	6	2
50	1.9685	65	2.5591	1	0	15	6	8	3
65	2.5591	80	3.1496	1	0	15	6	10	4
80	3.1496	100	3.9370	1	0	18	7	12	5
100	3.9370	120	4.7244	2	1	20	8	15	6
120	4.7244	140	5.5118	2	1	23	9	18	7

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

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

Nominal bore diameter <i>d</i>		Radial internal clearance							
		C2		CN		C3		C4	
over mm inch	incl. mm inch	min.	max.	min.	max.	min.	max.	min.	max.
24	0.9449	30	1.1811	5	2	20	8	13	5
30	1.1811	40	1.5748	6	2	20	8	15	6
40	1.5748	50	1.9685	6	2	23	9	18	7
50	1.9685	65	2.5591	8	3	28	11	23	9
65	2.5591	80	3.1496	10	4	30	12	25	10
80	3.1496	100	3.9370	12	5	36	14	30	12
100	3.9370	120	4.7244	15	6	41	16	36	14
120	4.7244	140	5.5118	18	7	48	19	41	16

6.Lubrication

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

6.1 Maximum permissible speed of rotation

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

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

Problem connected with the lubrication of bearings are the generation of heat and seizures occurring at the sliding parts inside the bearing, in particular at the points where the ball is in contact with the retainer, inner and outer rings. The contact pressure at the points where friction occurs on the retainer is only

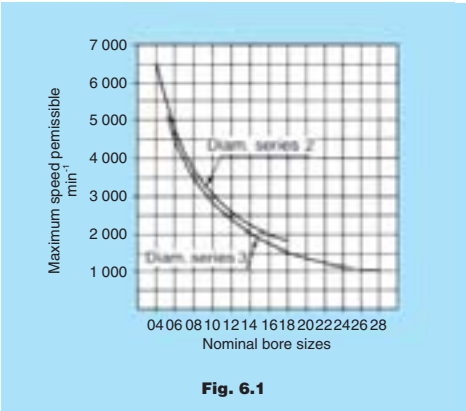


Fig. 6.1

slightly affected by the load acting on the bearing; the amount of heat generated there is approximately in proportion to the sliding velocity. Therefore, this sliding velocity serves as a yardstick to measure the limit of the rotating speed of the bearing. In the case of a bearing unit, however, there is another large factor that has to be taken into account—the circumferential speed at the part where the seal is in contact.

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

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

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

6.2 Replenishment of grease

6.2.1 Sealed-in grease

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

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

Table 6.1 Brands of grease used in NSK bearing units

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

6.2.2 Mixing of different kinds of grease

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

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

Table 6.2 Mixing properties of grease

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

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

Table 6.3 Standard relubrication frequencies

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

6.2.3 Relubrication frequency

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

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

6.2.4 Re-greasing

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

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

6.3 Grease fitting

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

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

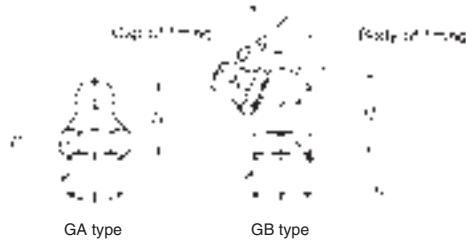


Table 6.4 Grease fitting types available for bearing units.

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

Table 6.5 Grease fitting dimensions and designations of applicable bearing units

GA type(Vertical type)					
Designation	d	H		B	
		mm	inch	mm	inch
GA-¼-28 UNF	¼-28 UNF	8.5	0.335	7	0.276
GA-PF ⅜	G ⅜	12	0.472	10	0.394
GA-PF ½	G ½	14	0.551	14	0.551

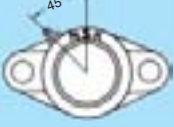
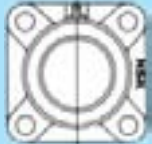
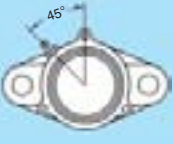
GB type(67.5°)							
Designation	<i>d</i>	<i>H</i>		<i>L</i>		<i>B</i>	
		mm	inch	mm	inch	mm	inch
GB-⅜-28UNF	⅜-28 UNF	10.5	0.413	9.3	0.366	8	0.315
GB-PF ⅝	G ⅝	14.2	0.559	13.5	0.531	10	0.394
GB-PF ⅞	G ⅞	15	0.591	13.5	0.531	14	0.551

Nominal screw size d	Series 2	Series X	Series 3
¼-28 UNF	203 - 209	X05 - X08	305 - 309
G ⅜	210 - 215	X09 - X14	310 - 315
G ½	216 - 218	X15 - X20	316 - 328

Remarks Screw size for the cartridge type is ¼-28 UNF.
That for C310D1 to C328D1 is G ⅜(PF ⅜).

6.4 standard location of the grease fitting

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

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

7. Recommended Torques for Tightening Set Screws

Table 7.1 Recommended torques for tightening set screws

A)Metric series,applied to metric bore size.

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

B)Inch series,applied to inch bore size.

Designation of the bearings for the unit to which torques given are applicable			Designation of set screws	Tightening torques lbf·inch(max.)
UC201 to UC205	—	—	No.10-32UNF	34
UC206	—	UC305 to UC306	¼-28UNF	43
UC207	UCX05	—	¼-28UNF	52
UC208 to UC210	—	—	⅝-24UNF	69
UC211	UCX06 to UCX08	UC307	⅝-24UNF	86
UC212	UCX09	—	⅜-24UNF	147
UC213 to UC215	—	UC308 to UC309	⅜-24UNF	173
UC216	UCX10	—	⅜-24UNF	199
—	UCX11 to UCX12	—	⅜-24UNF	216
UC217 to UC218	UCX13 to UCX15	UC310 to UC314	½-20UNF	260
—	UCX16 to UCX17	—	½-20UNF	303
—	UCX18	UC315 to UC316	⅞-18UNF	303
—	UCX20	UC317 to UC319	⅝-18UNF	477
—	—	UC320	⅝-18UNF	520

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

Designation of the bearings for the unit to which torques given are applicable	Designation of set screws	Tightening torques lbf·inch(max.)
AS201 to 205	No.10-32UNF	30
AS206	¼-28UNF	39
AS207	¼-28UNF	43
AS208	⅝-24UNF	60

Contents of ball bearing units and ball bearings for bearing units

DIMENSION TABLE

	Pages		Pages
Set screw type			
Pillow block unit, cast housing		Take-up unit, cast housing	
UCP2	B4	UCT2	B114
UCP3	B10	UCT3	B120
UCPX	B16	UCTX	B126
UCPL2	B22	Take-up stretcher units	
UCHP2	B26	UCT2-	B130
UCUP2	B30	Take-up type L stretcher units	
ASPL2	B34	UCL2-	B132
Pillow block unit, pressed steel housing		Take-up type M stretcher units	
ASPP2	B38	UCM2-	B134
ASRPP2	B40	UCM3-	B136
Square flanged unit, cast housing		Take-up mini stretcher units	
UCF2	B42	ASPT2-	B138
UCF3	B48	Cartridge unit, cast housing	
UCFX	B54	UCC2	B140
UCFS3	B60	UCC3	B142
		UCCX	B146
Round flanged unit, cast housing		Eccentric locking collar type	
UCFC2	B66	Pillow block unit, cast housing	
UCFCX	B72	UEL2	B148
Rhombus flanged unit, cast housing		UEL3	B152
UCFL2	B78	UELPL2	B158
UCFL3	B84	UELHP2	B162
UCFLX	B90	UELUP2	B164
UCFA2	B92	AELPL2	B166
UCFH2	B96	JELPL2	B168
ASFB2	B100		
ASFD2	B102	Pillow block unit, pressed steel housing	
Round flanged unit, pressed steel housing		AELPP2	B170
ASPF2	B104	AELRPP2	B172
ASRPF2	B106	Square flanged unit, cast housing	
Rhombus flanged unit, pressed steel housing		UEL2	B174
ASPFL2	B108	UEL3	B178
Hanger unit, cast housing		UELPU2	B184
UCHB2	B110	UELFS3	B188
		Round flanged unit, cast housing	
		UELFC2	B194

	Pages		Pages
Rhombus flanged unit, cast housing		Rhombus flanged unit, cast housing	
UELFL2	B198	UKFL2	B284
UELFL3	B202	UKFL3	B288
UELFLU2	B208	UKFLX	B292
AELFB2	B212	Take-up unit, cast housing	
AELFD2	B214	UKT2	B294
JELFD2	B216	UKT3	B298
		UKTX	B302
Round flanged unit, pressed steel housing		Cartridge unit, cast housing	
AELPF2	B218	UKC2	B306
JELPF2	B220	UKC3	B308
AELRPF2	B222	UKCX	B310
Rhombus flanged unit, pressed steel housing		Ball bearings	
AELPFL2	B224	Set screw type	
JELPFL2	B226	UC2	B312
Take-up unit, cast housing		UC3	B318
UEL2	B228	UCX	B324
UEL3	B232	AS2	B328
Take-up mini stretcher units		AR2	B332
AELPT2-	B238	Eccentric locking collar type	
JELPT2-	B240	UEL2	B336
Cartridge unit, cast housing		UEL3	B340
UELC2	B242	AEL2	B346
UELC3	B244	JEL2	B348
		REL2	B350
Adapter type		Adapter type	
Pillow block unit, cast housing		UK2	B354
UKP2	B248	UK3	B358
UKP3	B252	UKX	B362
UKPX	B256	Other bearings	
Square flanged unit, cast housing		UCS2	B366
UKF2	B260	UCS3	B370
UKF3	B264	ASS2	B374
UKFX	B268	UELS2	B376
UKFS3	B272	UELS3	B380
Round flanged unit, cast housing		AELS2	B384
UKFC2	B276	JELS2	B386
UKFCX	B280	CS2	B388

Pillow block unit, cast housing
Set screw type



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

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

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



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

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

Pillow block unit, cast housing
Set screw type



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

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

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



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

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

Pillow block unit, cast housing
Set screw type



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

Shaft dia. mm inch	Unit number ⁽¹⁾	Nominal dimensions												Bolt size mm inch	Bearing number
		mm inch													
		<i>H</i>	<i>L</i>	<i>J</i>	<i>A</i>	<i>N</i>	<i>N</i> ₁	<i>H</i> ₁	<i>H</i> ₂	<i>L</i> ₁	<i>B</i>	<i>S</i>			
85 3 ¼ 3 ⅝ 3 ⅞	UCP217D1 UCP217-304D1 UCP217-305D1 UCP217-307D1	95.2	310	247	83	25	28	32	187	85	85.7	34.1	M20	UC217D1 UC217-304D1 UC217-305D1 UC217-307D1	
90 3 ½	UCP218D1 UCP218-308D1	101.6	327	262	88	27	30	33	200	90	96	39.7	M22	UC218D1 UC218-308D1	

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



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

Housing number	Unit number ⁽¹⁾ pressed steel dust cover type	Unit number ⁽¹⁾ cast dust cover type	Nominal dimensions				Mass of unit		
			mm inch				kg lb		
			<i>t</i> max.	<i>A</i> ₄	<i>H</i> ₃	<i>A</i> ₅	UCP	Z(ZM)	C(CM)
P217D1 P217D1 P217D1 P217D1	— — — —	C(CM)-UCP217D1 C(CM)-UCP217-304D1 C(CM)-UCP217-305D1 C(CM)-UCP217-307D1	5 13/64	—	191 7 17/32	155 6 3/32	11 24	—	13 29
P218D1 P218D1	— —	C(CM)-UCP218D1 C(CM) UCP218-308D1	5 13/64	—	204 8 1/32	165 6 1/2	13 29	—	16 35

Pillow block unit, cast housing
Set screw type



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

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



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

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

Pillow block unit, cast housing
Set screw type



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

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



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

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

Pillow block unit, cast housing
Set screw type



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

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



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

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

Pillow block unit, cast housing
Set screw type



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

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



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

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

Pillow block unit, cast housing
Set screw type



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

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

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



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

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

Pillow block unit, cast housing
Set screw type



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

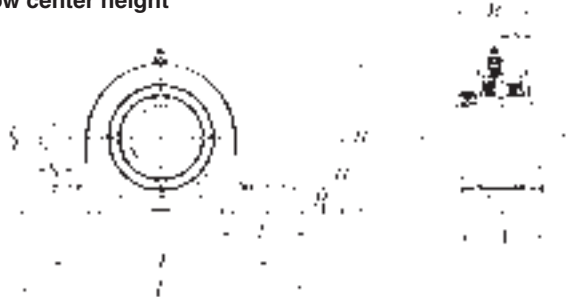
Note ⁽¹⁾ These numbers indicate relubricatable type. If maintenance free type is needed, please order without suffix "D1".
Remarks Please refer to page A21 for size of grease fitting.



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

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

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



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

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

⁽²⁾ UCPL204 and UCPL205 has solid bases.

⁽³⁾ UCPL208 has the same dimension as UCP208 shown in page B4.

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

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

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



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

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

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

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

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



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

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

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

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

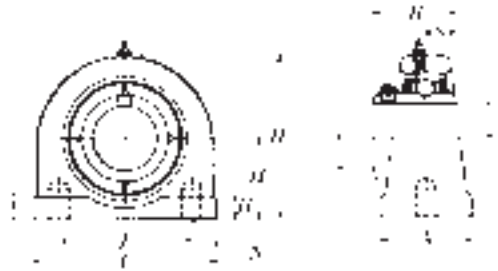


Shaft dia.	Unit number ⁽¹⁾	Nominal dimensions											Bolt size
		mm inch											
		<i>H</i>	<i>L</i>	<i>J</i>	<i>A</i>	<i>N</i>	<i>N</i> ₁	<i>H</i> ₁	<i>H</i> ₂	<i>B</i>	<i>S</i>	mm inch	
45	UCHP209D1	105	190	146	70	17	22	20	158	49.2	19	M14	
1 ⁵ / ₈	UCHP209-110D1												
1 ¹¹ / ₁₆	UCHP209-111D1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

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

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

Narrow pillow block unit, cast housing
Set screw type



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

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

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

Narrow pillow block unit, cast housing
Set screw type



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

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

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

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

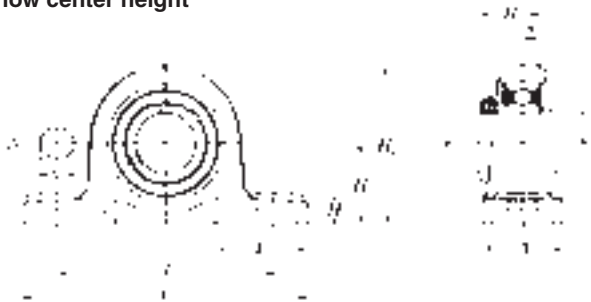


Shaft dia. mm inch	Unit number (1)(2)(3)	Nominal dimensions												Bolt size mm inch
		mm inch												
		<i>H</i>	<i>L</i>	<i>J</i>	<i>A</i>	<i>N</i>	<i>N</i> ₁	<i>H</i> ₁	<i>H</i> ₂	<i>L</i> ₁	<i>B</i>	<i>S</i>		
12 1/2	ASPL201 ASPL201-008	26.99 1 1/16	121 4 3/4	89 3 1/2	35 1 3/8	11 7/16	14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

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

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

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

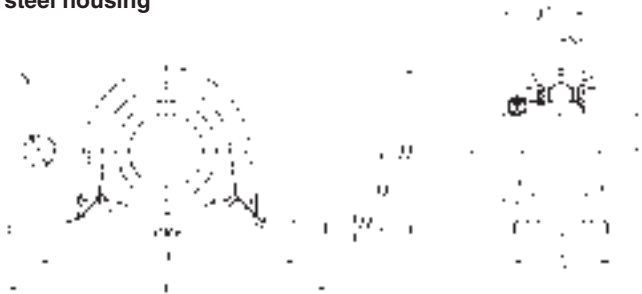


Shaft dia.	Unit number ⁽¹⁾	Nominal dimensions											Bolt size
		mm inch											
		<i>H</i>	<i>L</i>	<i>J</i>	<i>A</i>	<i>N</i>	<i>N</i> ₁	<i>H</i> ₁	<i>H</i> ₂	<i>L</i> ₁	<i>B</i>	<i>S</i>	mm inch
45	ASPL209	52.39	190	146	54	17	20	20	104	60	40	9.5	M14
1 ⁵ / ₈	ASPL209-110												
1 ¹¹ / ₁₆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

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

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

Pillow block unit, pressed steel housing
Set screw type



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

Note (1) The permissible load only applies in applications where the load is stable and the speed is 2400 min⁻¹ or less.
The mounting surface should be flat.

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

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



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

Note (1) The permissible load only applies in applications where the load is stable and the speed is 2400 min⁻¹ or less.
The mounting surface should be flat.

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

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

Square flanged unit, cast housing
Set screw type



Shaft dia. mm inch	Unit number (1)	Nominal dimensions									Bolt size mm inch	Bearing number
		mm inch										
		L	J	A ₂	A ₁	A	N	A ₀	B	S		
12 1/2	UCF201D1 UCF201-008D1	86 3 3/8	64 2 33/64	15 19/32	11 7/16	25.5 1	12 15/32	33.3 1 5/16	31 1.2205	12.7 0.500	M10 3/8	UC201D1 UC201-008D1
15 9/16 5/8	UCF202D1 UCF202-009D1 UCF202-010D1	86 3 3/8	64 2 33/64	15 19/32	11 7/16	25.5 1	12 15/32	33.3 1 5/16	31 1.2205	12.7 0.500	M10 3/8	UC202D1 UC202-009D1 UC202-010D1
17 11/16	UCF203D1 UCF203-011D1	86 3 3/8	64 2 33/64	15 19/32	11 7/16	25.5 1	12 15/32	33.3 1 5/16	31 1.2205	12.7 0.500	M10 3/8	UC203D1 UC203-011D1
20 3/4	UCF204D1 UCF204-012D1	86 3 3/8	64 2 33/64	15 19/32	11 7/16	25.5 1	12 15/32	33.3 1 5/16	31 1.2205	12.7 0.500	M10 3/8	UC204D1 UC204-012D1
25 13/16 7/8 15/16 1	UCF205D1 UCF205-013D1 UCF205-014D1 UCF205-015D1 UCF205-100D1	95 3 3/4	70 2 3/4	16 5/8	13 1/2	27 1 1/16	12 15/32	35.8 1 13/32	34.1 1.3425	14.3 0.563	M10 3/8	UC205D1 UC205-013D1 UC205-014D1 UC205-015D1 UC205-100D1
30 1 1/16 1 1/8 1 3/16 1 1/4	UCF206D1 UCF206-101D1 UCF206-102D1 UCF206-103D1 UCF206-104D1	108 4 1/4	83 3 17/64	18 45/64	13 1/2	31 1 7/32	12 15/32	40.2 1 37/64	38.1 1.5000	15.9 0.626	M10 3/8	UC206D1 UC206-101D1 UC206-102D1 UC206-103D1 UC206-104D1
35 1 1/4 1 5/16 1 3/8 1 7/16	UCF207D1 UCF207-104D1 UCF207-105D1 UCF207-106D1 UCF207-107D1	117 4 19/32	92 3 5/8	19 3/4	15 19/32	34 1 11/32	14 35/64	44.4 1 3/4	42.9 1.6890	17.5 0.689	M12 7/16	UC207D1 UC207-104D1 UC207-105D1 UC207-106D1 UC207-107D1
40 1 1/2 1 9/16	UCF208D1 UCF208-108D1 UCF208-109D1	130 5 1/8	102 4 1/64	21 53/64	15 19/32	36 1 13/32	16 5/8	51.2 2 1/64	49.2 1.9370	19 0.748	M14 1/2	UC208D1 UC208-108D1 UC208-109D1
45 1 5/8 1 11/16 1 3/4	UCF209D1 UCF209-110D1 UCF209-111D1 UCF209-112D1	137 5 13/32	105 4 9/64	22 55/64	16 5/8	38 1 1/2	16 5/8	52.2 2 1/16	49.2 1.9370	19 0.748	M14 1/2	UC209D1 UC209-110D1 UC209-111D1 UC209-112D1

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



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

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

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

Square flanged unit, cast housing
Set screw type



Shaft dia. mm inch	Unit number (*)	Nominal dimensions									Bolt size mm inch	Bearing number
		mm inch										
		L	J	A ₂	A ₁	A	N	A ₀	B	S		
50 1 ¹³ / ₁₆ 1 ⁷ / ₈ 1 ¹⁵ / ₁₆ 2	UCF210D1 UCF210-113D1 UCF210-114D1 UCF210-115D1 UCF210-200D1	143	111	22	16	40	16	54.6	51.6	19	M14	UC210D1 UC210-113D1 UC210-114D1 UC210-115D1 UC210-200D1
		5 ⁵ / ₈	4 ³ / ₈	55 ⁵ / ₆₄	5 ⁵ / ₈	1 ⁹ / ₁₆	5 ⁵ / ₈	2 ⁵ / ₃₂	2.0315	0.748	1 ¹ / ₂	
55 2 2 ¹ / ₁₆ 2 ¹ / ₈ 2 ³ / ₁₆	UCF211D1 UCF211-200D1 UCF211-201D1 UCF211-202D1 UCF211-203D1	162	130	25	18	43	19	58.4	55.6	22.2	M16	UC211D1 UC211-200D1 UC211-201D1 UC211-202D1 UC211-203D1
		6 ³ / ₈	5 ¹ / ₈	63 ³ / ₆₄	23 ³ / ₃₂	1 ¹¹ / ₁₆	3 ³ / ₄	2 ¹⁹ / ₆₄	2.1890	0.874	5 ⁵ / ₈	
60 2 ¹ / ₄ 2 ⁵ / ₁₆ 2 ³ / ₈ 2 ⁷ / ₁₆	UCF212D1 UCF212-204D1 UCF212-205D1 UCF212-206D1 UCF212-207D1	175	143	29	18	48	19	68.7	65.1	25.4	M16	UC212D1 UC212-204D1 UC212-205D1 UC212-206D1 UC212-207D1
		6 ⁷ / ₈	5 ⁵ / ₈	1 ⁹ / ₆₄	23 ³ / ₃₂	1 ⁷ / ₈	3 ³ / ₄	2 ⁴⁵ / ₆₄	2.5630	1.000	5 ⁵ / ₈	
65 2 ¹ / ₂ 2 ⁹ / ₁₆	UCF213D1 UCF213-208D1 UCF213-209D1	187	149	30	22	50	19	69.7	65.1	25.4	M16	UC213D1 UC213-208D1 UC213-209D1
		7 ³ / ₈	5 ⁵⁵ / ₆₄	1 ³ / ₁₆	7 ⁷ / ₈	1 ³¹ / ₃₂	3 ³ / ₄	2 ³ / ₄	2.5630	1.000	5 ⁵ / ₈	
70 2 ⁵ / ₈ 2 ¹¹ / ₁₆ 2 ³ / ₄	UCF214D1 UCF214-210D1 UCF214-211D1 UCF214-212D1	193	152	31	22	54	19	75.4	74.6	30.2	M16	UC214D1 UC214-210D1 UC214-211D1 UC214-212D1
		7 ¹⁹ / ₃₂	5 ⁶³ / ₆₄	1 ⁷ / ₃₂	7 ⁷ / ₈	2 ¹ / ₈	3 ³ / ₄	2 ³¹ / ₃₂	2.9370	1.189	5 ⁵ / ₈	
75 2 ¹³ / ₁₆ 2 ⁷ / ₈ 2 ¹⁵ / ₁₆ 3	UCF215D1 UCF215-213D1 UCF215-214D1 UCF215-215D1 UCF215-300D1	200	159	34	22	56	19	78.5	77.8	33.3	M16	UC215D1 UC215-213D1 UC215-214D1 UC215-215D1 UC215-300D1
		7 ⁷ / ₈	6 ¹⁷ / ₆₄	1 ¹¹ / ₃₂	7 ⁷ / ₈	2 ⁷ / ₃₂	3 ³ / ₄	3 ³ / ₃₂	3.0630	1.311	5 ⁵ / ₈	
80 3 ¹ / ₁₆ 3 ¹ / ₈ 3 ³ / ₁₆	UCF216D1 UCF216-301D1 UCF216-302D1 UCF216-303D1	208	165	34	22	58	23	83.3	82.6	33.3	M20	UC216D1 UC216-301D1 UC216-302D1 UC216-303D1
		8 ³ / ₁₆	6 ¹ / ₂	1 ¹¹ / ₃₂	7 ⁷ / ₈	2 ⁹ / ₃₂	29 ³ / ₃₂	3 ⁹ / ₃₂	3.2520	1.311	3 ³ / ₄	

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

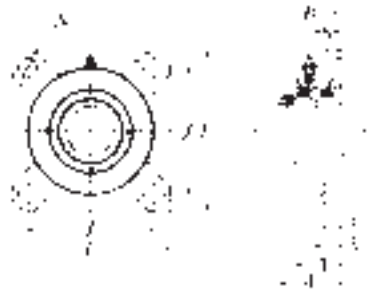


Pressed steel dust cover type
Open end Z-UCF...D1
Closed end ZM-UCF...D1

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

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

Square flanged unit, cast housing
Set screw type



Shaft dia.	Unit number ⁽¹⁾	Nominal dimensions									Bolt size	Bearing number
		mm inch										
		<i>L</i>	<i>J</i>	<i>A</i> ₂	<i>A</i> ₁	<i>A</i>	<i>N</i>	<i>A</i> ₀	<i>B</i>	<i>S</i>		
mm inch										mm inch		
85	UCF217D1	220	175	36	24	63	23	87.6	85.7	34.1	M20	UC217D1
3 1/4	UCF217-304D1											UC217-304D1
3 5/16	UCF217-305D1	8 ²¹ / ₃₂	6 ⁵⁷ / ₆₄	1 ²⁷ / ₆₄	1 ⁵ / ₁₆	2 ¹⁵ / ₃₂	2 ²⁹ / ₃₂	3 ²⁹ / ₆₄	3.3740	1.343	3/4	UC217-305D1
3 7/16	UCF217-307D1											UC217-307D1
90	UCF218D1	235	187	40	24	68	23	96.3	96	39.7	M20	UC218D1
3 1/2	UCF218-308D1	9 1/4	7 ²³ / ₆₄	1 ³⁷ / ₆₄	1 ⁵ / ₁₆	2 ¹¹ / ₁₆	2 ²⁹ / ₃₂	3 ⁵¹ / ₆₄	3.7795	1.563	3/4	UC218-308D1

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

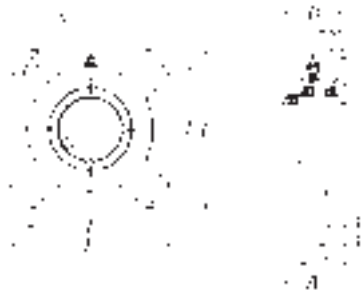


Pressed steel dust cover type
Open end Z-UCF...D1
Closed end ZM-UCF...D1

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

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

Square flanged unit, cast housing
Set screw type



Shaft dia. mm inch	Unit number ⁽¹⁾	Nominal dimensions									Bolt size mm inch
		mm inch									
		<i>L</i>	<i>J</i>	<i>A</i> ₂	<i>A</i> ₁	<i>A</i>	<i>N</i>	<i>A</i> ₀	<i>B</i>	<i>S</i>	
25 13⁄16 7⁄8 15⁄16 1	UCF305D1 UCF305-013D1 UCF305-014D1 UCF305-015D1 UCF305-100D1	110	80	16	13	29	16	39	38	15	M14
		4 11⁄32	3 5⁄32	5⁄8	1⁄2	1 5⁄32	5⁄8	1 17⁄32	1.4961	0.591	1⁄2
30 1 1⁄16 1 1⁄8 1 3⁄16	UCF306D1 UCF306-101D1 UCF306-102D1 UCF306-103D1	125	95	18	15	32	16	44	43	17	M14
		4 29⁄32	3 47⁄64	45⁄64	19⁄32	1 1⁄4	5⁄8	1 47⁄64	1.6929	0.669	1⁄2
35 1 1⁄4 1 5⁄16 1 3⁄8 1 7⁄16	UCF307D1 UCF307-104D1 UCF307-105D1 UCF307-106D1 UCF307-107D1	135	100	20	16	36	19	49	48	19	M16
		5 5⁄16	3 15⁄16	25⁄32	5⁄8	1 13⁄32	3⁄4	1 59⁄64	1.8898	0.748	5⁄8
40 1 1⁄2 1 9⁄16	UCF308D1 UCF308-108D1 UCF308-109D1	150	112	23	17	40	19	56	52	19	M16
		5 29⁄32	4 13⁄32	29⁄32	21⁄32	1 9⁄16	3⁄4	2 13⁄64	2.0472	0.748	5⁄8
45 1 5⁄8 1 11⁄16 1 3⁄4	UCF309D1 UCF309-110D1 UCF309-111D1 UCF309-112D1	160	125	25	18	44	19	60	57	22	M16
		6 5⁄16	4 59⁄64	63⁄64	23⁄32	1 23⁄32	3⁄4	2 23⁄64	2.2441	0.866	5⁄8
50 1 13⁄16 1 7⁄8 1 15⁄16	UCF310D1 UCF310-113D1 UCF310-114D1 UCF310-115D1	175	132	28	19	48	23	67	61	22	M20
		6 7⁄8	5 13⁄64	1 7⁄64	3⁄4	1 7⁄8	29⁄32	2 41⁄64	2.4016	0.866	3⁄4
55 2 2 1⁄16 2 1⁄8 2 3⁄16	UCF311D1 UCF311-200D1 UCF311-201D1 UCF311-202D1 UCF311-203D1	185	140	30	20	52	23	71	66	25	M20
		7 9⁄32	5 33⁄64	1 3⁄16	25⁄32	2 1⁄16	29⁄32	2 51⁄64	2.5984	0.984	3⁄4

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



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

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

Square flanged unit, cast housing
Set screw type



Shaft dia. mm inch	Unit number ⁽¹⁾	Nominal dimensions									Bolt size mm inch
		mm inch									
		<i>L</i>	<i>J</i>	<i>A</i> ₂	<i>A</i> ₁	<i>A</i>	<i>N</i>	<i>A</i> ₀	<i>B</i>	<i>S</i>	
60 2 1/4 2 5/16 2 3/8 2 7/16	UCF312D1 UCF312-204D1 UCF312-205D1 UCF312-206D1 UCF312-207D1	195	150	33	22	56	23	78	71	26	M20
		7 11/16	5 29/32	1 19/64	7/8	2 7/32	29/32	3 5/64	2.7953	1.024	3/4
65 2 1/2 2 9/16	UCF313D1 UCF313-208D1 UCF313-209D1	208	166	33	22	58	23	78	75	30	M20
		8 3/16	6 17/32	1 19/64	7/8	2 9/32	29/32	3 5/64	2.9528	1.181	3/4
70 2 5/8 2 11/16 2 3/4	UCF314D1 UCF314-210D1 UCF314-211D1 UCF314-212D1	226	178	36	25	61	25	81	78	33	M22
		8 29/32	6 1/64	1 27/64	31/32	2 13/32	63/64	3 3/16	3.0709	1.299	7/8
75 2 13/16 2 7/8 2 15/16 3	UCF315D1 UCF315-213D1 UCF315-214D1 UCF315-215D1 UCF315-300D1	236	184	39	25	66	25	89	82	32	M22
		9 9/32	7 1/4	1 17/32	31/32	2 19/32	63/64	3 1/2	3.2283	1.260	7/8
80 3 1/16 3 1/8 3 3/16	UCF316D1 UCF316-301D1 UCF316-302D1 UCF316-303D1	250	196	38	27	68	31	90	86	34	M27
		9 27/32	7 23/32	1 1/2	1 1/16	2 11/16	1 7/32	3 35/64	3.3858	1.339	1
85 3 1/4 3 5/16 3 7/16	UCF317D1 UCF317-304D1 UCF317-305D1 UCF317-307D1	260	204	44	27	74	31	100	96	40	M27
		10 1/4	8 1/32	1 47/64	1 1/16	2 29/32	1 7/32	3 15/16	3.7795	1.575	1
90 3 7/16 3 1/2	UCF318D1 UCF318-307D1 UCF318-308D1	280	216	44	30	76	35	100	96	40	M30
		11 1/32	8 1/2	1 47/64	1 3/16	3	1 3/8	3 15/16	3.7795	1.575	1 1/8

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



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

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

Square flanged unit, cast housing
Set screw type



Shaft dia. mm inch	Unit number ⁽¹⁾	Nominal dimensions									Bolt size mm inch
		mm inch									
		<i>L</i>	<i>J</i>	<i>A</i> ₂	<i>A</i> ₁	<i>A</i>	<i>N</i>	<i>A</i> ₀	<i>B</i>	<i>S</i>	
95 3 ⁵ / ₈ 3 ¹¹ / ₁₆ 3 ³ / ₄	UCF319D1 UCF319-310D1 UCF319-311D1 UCF319-312D1	290 11 ¹³ / ₃₂	228 8 ³¹ / ₃₂	59 2 ²¹ / ₆₄	30 1 ³ / ₁₆	94 3 ¹¹ / ₁₆	35 1 ³ / ₈	121 4 ⁴⁹ / ₆₄	103 4.0551	41 1.614	M30 1 ¹ / ₈
100 3 ¹³ / ₁₆ 3 ⁷ / ₈ 3 ¹⁵ / ₁₆ 4	UCF320D1 UCF320-313D1 UCF320-314D1 UCF320-315D1 UCF320-400D1	310 12 ⁷ / ₃₂	242 9 ¹⁷ / ₃₂	59 2 ²¹ / ₆₄	32 1 ¹ / ₄	94 3 ¹¹ / ₁₆	38 1 ¹ / ₂	125 4 ⁵⁹ / ₆₄	108 4.2520	42 1.654	M33 1 ¹ / ₄
105	UCF321D1	310	242	59	32	94	38	127	112	44	M33
110	UCF322D1	340	266	60	35	96	41	131	117	46	M36
120	UCF324D1	370	290	65	40	110	41	140	126	51	M36
130	UCF326D1	410	320	65	45	115	41	146	135	54	M36
140	UCF328D1	450	350	75	55	125	41	161	145	59	M36

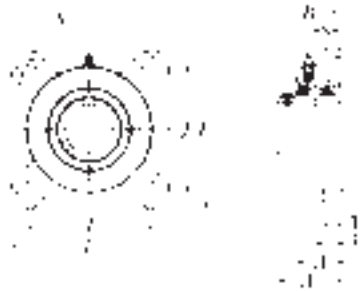
Note ⁽¹⁾ These numbers indicate relubricatable type. If maintenance free type is needed, please order without suffix "D1".
Remarks Please refer to page A21 for size of grease fitting.



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

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

Square flanged unit, cast housing
Set screw type



Shaft dia. mm inch	Unit number ⁽¹⁾	Nominal dimensions									Bolt size mm inch
		mm inch									
		<i>L</i>	<i>J</i>	<i>A</i> ₂	<i>A</i> ₁	<i>A</i>	<i>N</i>	<i>A</i> ₀	<i>B</i>	<i>S</i>	
25 13⁄16 7⁄8 15⁄16 1	UCFX05D1 UCFX05-013D1 UCFX05-014D1 UCFX05-015D1 UCFX05-100D1	108 4 1⁄4	83 3 17⁄64	18 45⁄64	13 1⁄2	30 1 3⁄16	12 15⁄32	40.2 1 37⁄64	38.1 1.5000	15.9 0.626	M10 3⁄8
30 1 1⁄16 1 1⁄8 1 3⁄16 1 1⁄4	UCFX06D1 UCFX06-101D1 UCFX06-102D1 UCFX06-103D1 UCFX06-104D1	117 4 19⁄32	92 3 5⁄8	19 3⁄4	14 9⁄16	34 1 11⁄32	16 5⁄8	44.4 1 3⁄4	42.9 1.6890	17.5 0.689	M14 1⁄2
35 1 5⁄16 1 3⁄8 1 7⁄16	UCFX07D1 UCFX07-105D1 UCFX07-106D1 UCFX07-107D1	130 5 1⁄8	102 4 1⁄64	21 53⁄64	14 9⁄16	38 1 1⁄2	16 5⁄8	51.2 2 1⁄64	49.2 1.9370	19 0.748	M14 1⁄2
40 1 1⁄2 1 9⁄16	UCFX08D1 UCFX08-108D1 UCFX08-109D1	137 5 13⁄32	105 4 9⁄64	22 55⁄64	14 9⁄16	40 1 9⁄16	19 3⁄4	52.2 2 1⁄16	49.2 1.9370	19 0.748	M16 5⁄8
45 1 5⁄8 1 11⁄16 1 3⁄4 1 13⁄16	UCFX09D1 UCFX09-110D1 UCFX09-111D1 UCFX09-112D1 UCFX09-113D1	143 5 5⁄8	111 4 3⁄8	23 29⁄32	14 9⁄16	40 1 9⁄16	19 3⁄4	55.6 2 3⁄16	51.6 2.0315	19 0.748	M16 5⁄8
50 1 7⁄8 1 15⁄16 2	UCFX10D1 UCFX10-114D1 UCFX10-115D1 UCFX10-200D1	162 6 3⁄8	130 5 1⁄8	26 1 1⁄32	20 25⁄32	44 1 23⁄32	19 3⁄4	59.4 2 11⁄32	55.6 2.1890	22.2 0.874	M16 5⁄8

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

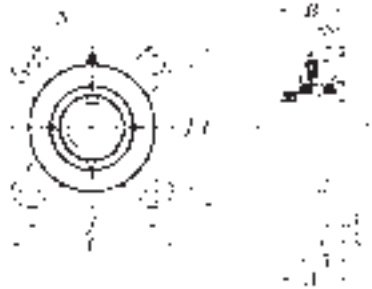


Cast dust cover type
Open end C-UCF...D1
Closed end CM-UCF...D1

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

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

Square flanged unit, cast housing
Set screw type



Shaft dia. mm inch	Unit number ⁽¹⁾	Nominal dimensions									Bolt size mm inch
		mm inch									
		L	J	A ₂	A ₁	A	N	A ₀	B	S	
85 3 ⁵ / ₁₆ 3 ⁷ / ₁₆	UCFX17D1 UCFX17-305D1 UCFX17-307D1	214 8 ⁷ / ₁₆	171 6 ⁴⁷ / ₆₄	40 1 ³⁷ / ₆₄	24 1 ⁵ / ₁₆	70 2 ³ / ₄	23 2 ⁹ / ₃₂	96.3 3 ⁵¹ / ₆₄	96 3.7795	39.7 1.563	M20 3 ⁴ / ₄
90 3 ⁷ / ₁₆ 3 ¹ / ₂	UCFX18D1 UCFX18-307D1 UCFX18-308D1	214 8 ⁷ / ₁₆	171 6 ⁴⁷ / ₆₄	45 1 ⁴⁹ / ₆₄	24 1 ⁵ / ₁₆	76 3	23 2 ⁹ / ₃₂	106.1 4 ¹¹ / ₆₄	104 4.0945	42.9 1.689	M20 3 ⁴ / ₄
100 3 ¹³ / ₁₆ 3 ⁷ / ₈ 3 ¹⁵ / ₁₆ 4	UCFX20D1 UCFX20-313D1 UCFX20-314D1 UCFX20-315D1 UCFX20-400D1	268 10 ⁹ / ₁₆	211 8 ⁵ / ₁₆	59 2 ²¹ / ₆₄	31 1 ⁷ / ₃₂	97 3 ¹³ / ₁₆	31 1 ⁷ / ₃₂	127.3 5 ¹ / ₆₄	117.5 4.6260	49.2 1.937	M27 1

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



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

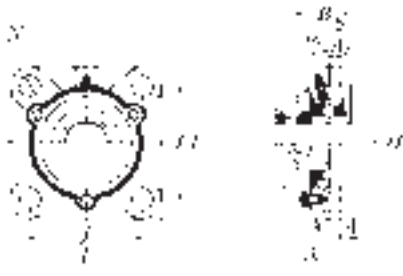
Bearing number	Housing number	Unit number ⁽¹⁾ cast dust cover type	Nominal dimensions		Mass of unit	
			mm inch		kg lb	
			t max.	A ₅	UCF	C(CM)
UCX17D1	FX17D1	C(CM)-UCFX17D1	5	122	12	14
UCX17-305D1	FX17D1	C(CM)-UCFX17-305D1	1 ¹³ / ₆₄	4 ¹³ / ₁₆	26	31
UCX17-307D1	FX17D1	C(CM)-UCFX17-307D1				
UCX18D1	FX18D1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

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



Shaft dia. mm inch	Unit number (1)	Nominal dimensions											Bolt size mm inch
		mm inch											
		L	J	A ₂	N	A ₃	A ₁	A	H ₃	A ₀	B	S	
25 1 ¹³ / ₁₆ 7 ⁷ / ₈ 15 ¹⁵ / ₁₆ 1	UCFS305D1 UCFS305-013D1 UCFS305-014D1 UCFS305-015D1 UCFS305-100D1	110	80	9	16	7	13	29	80	39	38	15	M14 1 ¹ / ₂
30 1 ¹ / ₁₆ 1 ¹ / ₈ 1 ³ / ₁₆	UCFS306D1 UCFS306-101D1 UCFS306-102D1 UCFS306-103D1	125	95	10	16	8	15	32	90	44	43	17	M14 1 ¹ / ₂
35 1 ¹ / ₄ 1 ⁹ / ₁₆ 1 ³ / ₈ 1 ⁷ / ₁₆	UCFS307D1 UCFS307-104D1 UCFS307-105D1 UCFS307-106D1 UCFS307-107D1	135	100	11	19	9	16	36	100	49	48	19	M16 5 ⁵ / ₈
40 1 ¹ / ₂ 1 ⁹ / ₁₆	UCFS308D1 UCFS308-108D1 UCFS308-109D1	150	112	13	19	10	17	40	115	56	52	19	M16 5 ⁵ / ₈
45 1 ⁵ / ₈ 1 ¹¹ / ₁₆ 1 ³ / ₄	UCFS309D1 UCFS309-110D1 UCFS309-111D1 UCFS309-112D1	160	125	14	19	11	18	44	125	60	57	22	M16 5 ⁵ / ₈
50 1 ¹³ / ₁₆ 1 ⁷ / ₈ 1 ¹⁵ / ₁₆	UCFS310D1 UCFS310-113D1 UCFS310-114D1 UCFS310-115D1	175	132	16	23	12	19	48	140	67	61	22	M20 3 ³ / ₄

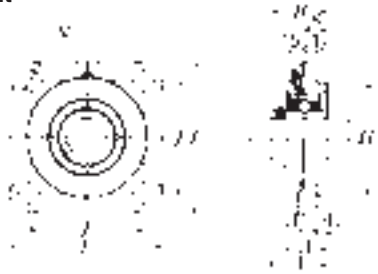
Note (1) These numbers indicate relubricatable type. If maintenance free type is needed, please order without suffix "D1".
Remarks Please refer to page A21 for size of grease fitting.



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

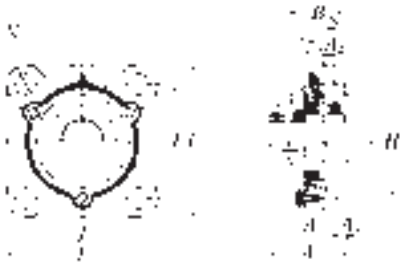
Bearing number	Housing number	Unit number (1) cast dust cover type	Nominal dimensions		Mass of unit	
			mm inch		kg lb	
			t max.	A ₅	UCFS	C(CM)
UC305D1 UC305-013D1 UC305-014D1 UC305-015D1 UC305-100D1	FS305D1 FS305D1 FS305D1 FS305D1 FS305D1	C(CM)-UCFS305D1 C(CM)-UCFS305-013D1 C(CM)-UCFS305-014D1 C(CM)-UCFS305-015D1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

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



Shaft dia. mm inch	Unit number ⁽¹⁾	Nominal dimensions											Bolt size mm inch
		mm inch											
		L	J	A ₂	N	A ₃	A ₁	A	H ₃	A ₀	B	S	
55	UCFS311D1	185	140	17	23	13	20	52	150	71	66	25	M20
2	UCFS311-200D1												
2 1/16	UCFS311-201D1	7 9/32	5 33/64	43/64	29/32	33/64	25/32	2 3/64	5.9055	2 51/64	2.5984	0.984	3/4
2 1/8	UCFS311-202D1												
2 3/16	UCFS311-203D1												
60	UCFS312D1	195	150	19	23	14	22	56	160	78	71	26	M20
2 1/4	UCFS312-204D1												
2 5/16	UCFS312-205D1	7 11/16	5 29/32	3/4	29/32	35/64	7/8	2 13/64	6.2992	3 5/64	2.7953	1.024	3/4
2 3/8	UCFS312-206D1												
2 7/16	UCFS312-207D1												
65	UCFS313D1	208	166	15	23	18	22	58	175	78	75	30	M20
2 1/2	UCFS313-208D1	8 3/16	6 17/32	19/32	29/32	45/64	7/8	2 9/32	6.8898	3 5/64	2.9528	1.181	3/4
2 9/16	UCFS313-209D1												
70	UCFS314D1	226	178	18	25	18	25	61	185	81	78	33	M22
2 5/8	UCFS314-210D1												
2 11/16	UCFS314-211D1	8 29/32	7 1/64	45/64	63/64	45/64	31/32	2 13/32	7.2835	3 3/16	3.0709	1.299	7/8
2 3/4	UCFS314-212D1												
75	UCFS315D1	236	184	21	25	18	25	66	200	89	82	32	M22
2 13/16	UCFS315-213D1												
2 7/8	UCFS315-214D1	9 9/32	7 1/4	53/64	63/64	45/64	31/32	2 19/32	7.8740	3 1/2	3.2283	1.260	7/8
2 5/16	UCFS315-215D1												
3	UCFS315-300D1												
80	UCFS316D1	250	196	18	31	20	27	68	210	90	86	34	M27
3 1/16	UCFS316-301D1												
3 1/8	UCFS316-302D1	9 27/32	7 23/32	45/64	1 7/32	25/32	1 1/16	2 43/64	8.2677	3 35/64	3.3858	1.339	1
3 3/16	UCFS316-303D1												

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



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

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

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



Shaft dia. mm inch	Unit number ⁽¹⁾	Nominal dimensions											Bolt size mm inch
		mm inch											
		L	J	A ₂	N	A ₃	A ₁	A	H ₃	A ₀	B	S	
85 3 1/4 3 5/16 3 7/16	UCFS317D1 UCFS317-304D1 UCFS317-305D1 UCFS317-307D1	260 10 1/4	204 8 1/32	24 15/16	31 1 7/32	20 25/32	27 1 1/16	74 2 29/32	220 8.6614	100 3 15/16	96 3.7795	40 1.575	M27 1
90 3 7/16 3 1/2	UCFS318D1 UCFS318-307D1 UCFS318-308D1	280 11 1/32	216 8 1/2	24 15/16	35 1 3/8	20 25/32	30 1 3/16	76 2 63/64	240 9.4488	100 3 15/16	96 3.7795	40 1.575	M30 1 1/8
95 3 5/8 3 11/16 3 3/4	UCFS319D1 UCFS319-310D1 UCFS319-311D1 UCFS319-312D1	290 11 13/32	228 8 31/32	39 1 17/32	35 1 3/8	20 25/32	30 1 3/16	94 3 45/64	250 9.8425	121 4 49/64	103 4.0551	41 1.614	M30 1 1/8
100 3 13/16 3 7/8 3 15/16 4	UCFS320D1 UCFS320-313D1 UCFS320-314D1 UCFS320-315D1 UCFS320-400D1	310 12 7/32	242 9 17/32	39 1 17/32	38 1 1/2	20 25/32	32 1 1/4	94 3 45/64	260 10.2362	125 4 59/64	108 4.2520	42 1.654	M33 1 1/4
105	UCFS321D1	310	242	39	38	20	32	94	260	127	112	44	M33
110	UCFS322D1	340	266	35	41	25	35	96	300	131	117	46	M36
120	UCFS324D1	370	290	35	41	30	40	110	330	140	126	51	M36
130	UCFS326D1	410	320	35	41	30	45	115	360	146	135	54	M36
140	UCFS328D1	450	350	45	41	30	55	125	400	161	145	59	M36

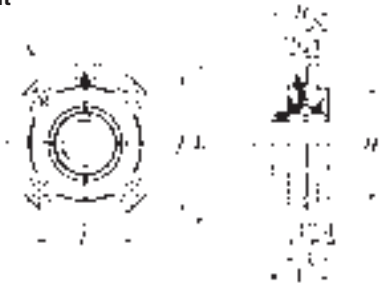
Note ⁽¹⁾ These numbers indicate relubricatable type. If maintenance free type is needed, please order without suffix "D1".
Remarks Please refer to page A21 for size of grease fitting.



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

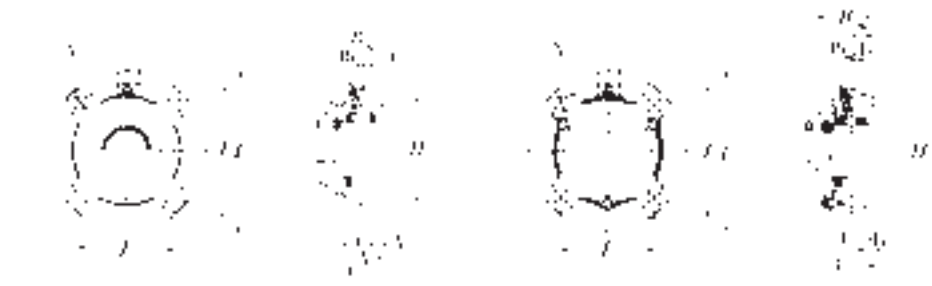
Bearing number	Housing number	Unit number ⁽¹⁾ cast dust cover type	Nominal dimensions		Mass of unit	
			mm inch		kg lb	
			t max.	A ₅	UCFS	C(CM)
UC317D1 UC317-304D1 UC317-305D1 UC317-307D1	FS317D1 FS317D1 FS317D1 FS317D1	C(CM)-UCFS317D1 C(CM)-UCFS317-304D1 C(CM)-UCFS317-305D1 C(CM)-UCFS317-307D1	5 13/64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

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



Shaft dia. mm inch	Unit number (1)	Nominal dimensions												Bolt size
		mm inch												
		L	J	(J ₁)	A ₂	N	A ₃	A ₁	A	H ₃	A ₀	B	S	mm inch
12 1/2	UCFC201D1 UCFC201-008D1	100 3 15/16	78 3 5/8	55.2 2 11/64	10 25/64	12 15/32	5 13/64	20.5 13/16	25.5 1	62 2.4409	33.3 1 15/16	31 1.2205	12.7 0.500	M10 3/8
15 9/16 5/8	UCFC202D1 UCFC202-009D1 UCFC202-010D1	100 3 15/16	78 3 5/8	55.2 2 11/64	10 25/64	12 15/32	5 13/64	20.5 13/16	25.5 1	62 2.4409	33.3 1 5/16	31 1.2205	12.7 0.500	M10 3/8
17 11/16	UCFC203D1 UCFC203-011D1	100 3 15/16	78 3 5/8	55.2 2 11/64	10 25/64	12 15/32	5 13/64	20.5 13/16	25.5 1	62 2.4409	33.3 1 5/16	31 1.2205	12.7 0.500	M10 3/8
20 3/4	UCFC204D1 UCFC204-012D1	100 3 15/16	78 3 5/8	55.2 2 11/64	10 25/64	12 15/32	5 13/64	20.5 13/16	25.5 1	62 2.4409	33.3 1 5/16	31 1.2205	12.7 0.500	M10 3/8
25 13/16 7/8 15/16	UCFC205D1 UCFC205-013D1 UCFC205-014D1 UCFC205-015D1 UCFC205-100D1	115 4 17/32	90 3 35/64	63.6 2 1/2	10 25/64	12 15/32	6 15/64	21 13/16	27 1 1/16	70 2.7559	35.8 1 13/32	34.1 1.3425	14.3 0.563	M10 3/8
30 1 1/16 1 1/8 1 3/16 1 1/4	UCFC206D1 UCFC206-101D1 UCFC206-102D1 UCFC206-103D1 UCFC206-104D1	125 4 29/32	100 3 15/16	70.7 2 25/32	10 25/64	12 15/32	8 5/16	23 29/32	31 1 7/32	80 3.1496	40.2 1 37/64	38.1 1.5000	15.9 0.629	M10 3/8
35 1 1/4 1 5/16 1 3/8 1 7/16	UCFC207D1 UCFC207-104D1 UCFC207-105D1 UCFC207-106D1 UCFC207-107D1	135 5 5/16	110 4 21/64	77.8 3 1/16	11 7/16	14 35/64	8 5/16	26 1 1/32	34 1 11/32	90 3.5433	44.4 1 3/4	42.9 1.6890	17.5 0.689	M12 7/16
40 1 1/2 1 9/16	UCFC208D1 UCFC208-108D1 UCFC208-109D1	145 5 23/32	120 4 23/32	84.9 3 11/32	11 7/16	14 35/64	10 25/64	26 1 1/32	36 1 27/64	100 3.9370	51.2 2 1/64	49.2 1.9370	19 0.748	M12 7/16
45 1 5/8 1 11/16 1 3/4	UCFC209D1 UCFC209-110D1 UCFC209-111D1 UCFC209-112D1	160 6 5/16	132 5 13/64	93.3 3 43/64	10 25/64	16 5/8	12 15/32	26 1 1/32	38 1 1/2	105 4.1339	52.2 2 3/64	49.2 1.9370	19 0.748	M14 1/2

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

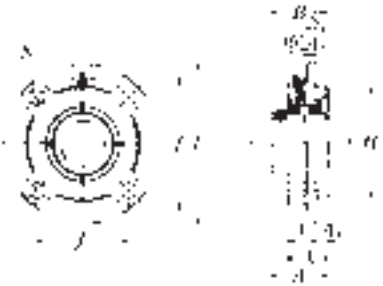


Pressed steel dust cover type
Open end Z-UCFC...D1
Closed end ZM-UCFC...D1

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

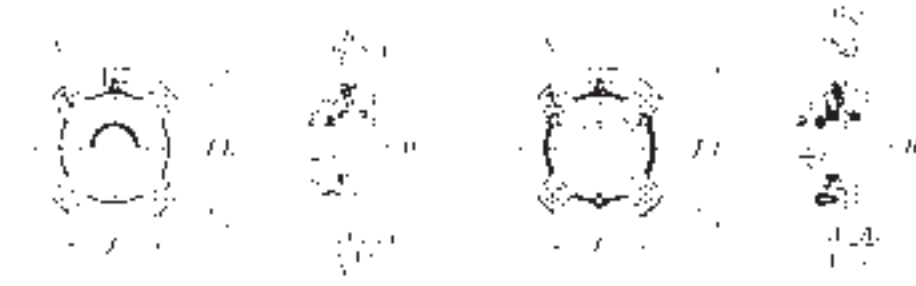
Bearing number	Housing number	Unit number (1) pressed steel dust cover type	Unit number (1) cast dust cover type	Nominal dimensions					Mass of unit		
				mm inch					kg lb		
				t max.	A ₄	A _{1C}	A ₅		UCFC	Z(ZM)	C(CM)
UC201D1	FC204D1	Z(ZM)-UCFC201D1	C(CM)-UCFC201D1	2 5/64	38 1 1/2	20.5 13/16	46 1 13/16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

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



Shaft dia. mm inch	Unit number ⁽¹⁾	Nominal dimensions												Bolt size mm inch
		mm inch												
		<i>L</i>	<i>J</i>	<i>(J₁)</i>	<i>A</i> ₂	<i>N</i>	<i>A</i> ₃	<i>A</i> ₁	<i>A</i>	<i>H</i> ₃	<i>A</i> ₀	<i>B</i>	<i>S</i>	
50 1 ¹³ / ₁₆ 1 ⁷ / ₈ 1 ¹⁵ / ₁₆ 2	UCFC210D1 UCFC210-113D1 UCFC210-114D1 UCFC210-115D1 UCFC210-200D1	165	138	97.6	10	16	12	28	40	110	54.6	51.6	19	M14
55 2 2 ¹ / ₁₆ 2 ¹ / ₈ 2 ³ / ₁₆	UCFC211D1 UCFC211-200D1 UCFC211-201D1 UCFC211-202D1 UCFC211-203D1	185	150	106.1	13	19	12	31	43	125	58.4	55.6	22.2	M16
60 2 ¹ / ₄ 2 ⁵ / ₁₆ 2 ³ / ₈ 2 ⁷ / ₁₆	UCFC212D1 UCFC212-204D1 UCFC212-205D1 UCFC212-206D1 UCFC212-207D1	195	160	113.1	17	19	12	36	48	135	68.7	65.1	25.4	M16
65 2 ¹ / ₂ 2 ⁹ / ₁₆	UCFC213D1 UCFC213-208D1 UCFC213-209D1	205	170	120.2	16	19	14	36	50	145	69.7	65.1	25.4	M16
70 2 ⁵ / ₈ 2 ⁷ / ₁₆ 2 ³ / ₄	UCFC214D1 UCFC214-210D1 UCFC214-211D1 UCFC214-212D1	215	177	125.2	17	19	14	40	54	150	75.4	74.6	30.2	M16
75 2 ¹³ / ₁₆ 2 ⁷ / ₈ 2 ¹⁵ / ₁₆ 3	UCFC215D1 UCFC215-213D1 UCFC215-214D1 UCFC215-215D1 UCFC215-300D1	220	184	130.1	18	19	16	40	56	160	78.5	77.8	33.3	M16
80 3 ¹ / ₁₆ 3 ¹ / ₈ 3 ³ / ₁₆	UCFC216D1 UCFC216-301D1 UCFC216-302D1 UCFC216-303D1	240	200	141.4	18	23	16	42	58	170	83.3	82.6	33.3	M20

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

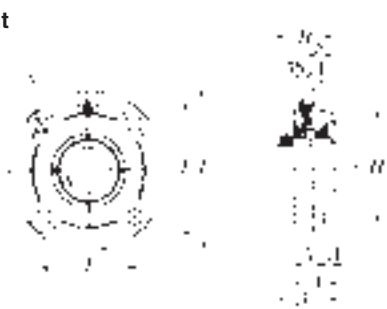


Pressed steel dust cover type
Open end Z-UCFC...D1
Closed end ZM-UCFC...D1

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

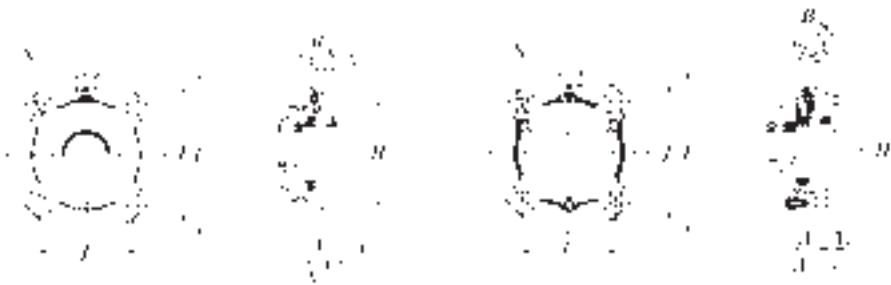
Bearing number	Housing number	Unit number ⁽¹⁾ pressed steel dust cover type	Unit number ⁽¹⁾ cast dust cover type	Nominal dimensions				Mass of unit		
				mm inch				kg lb		
				<i>t</i> max.	<i>A₄</i>	<i>A_{1C}</i>	<i>A₅</i>	UCFC	Z(ZM)	C(CM)
UC210D1	FC210D1	Z(ZM)-UCFC210D1	C(CM)-UCFC210D1	3	60	29	72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

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



Shaft dia. mm inch	Unit number ⁽¹⁾	Nominal dimensions												Bolt size mm inch	
		mm inch													
		L	J	(J ₁)	A ₂	N	A ₃	A ₁	A	H ₃	A ₀	B	S		
85 3 1/4 3 5/16 3 7/16	UCFC217D1 UCFC217-304D1 UCFC217-305D1 UCFC217-307D1	250	208	147.1	18	23	18	45	63	180	87.6	85.7	34.1	M20	
		9 ²⁷ / ₃₂	8 ³ / ₁₆	5 ⁵¹ / ₆₄	45/ ₆₄	29/ ₃₂	45/ ₆₄	1 ²⁵ / ₃₂	2 ³¹ / ₆₄	7.0866	3 ²⁹ / ₆₄	3.3740	1.343	3/4	
90 3 1/2	UCFC218D1 UCFC218-308D1	265	220	155.6	22	23	18	50	68	190	96.3	96	39.7	M20	
		10 ⁷ / ₁₆	8 ²¹ / ₃₂	6 ¹ / ₈	55/ ₆₄	29/ ₃₂	45/ ₆₄	1 ³¹ / ₃₂	2 ⁴³ / ₆₄	7.4803	3 ⁵¹ / ₆₄	3.7795	1.563	3/4	

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



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

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

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

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

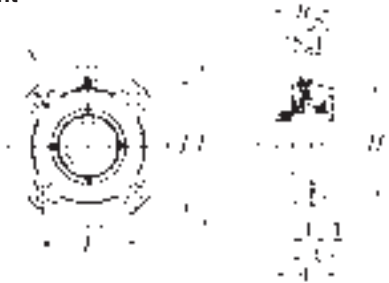


Shaft dia. mm inch	Unit number ⁽¹⁾	Nominal dimensions													Bolt size mm inch
		mm inch													
		L	J	(J ₁)	A ₂	N	A ₃	A ₁	A	H ₃	A ₀	B	S		
25 13⁄16 7⁄8 15⁄16 1	UCFCX05D1 UCFCX05-013D1 UCFCX05-014D1 UCFCX05-015D1 UCFCX05-100D1	111	92	65.1	10	9.5	6	24	30	76	38.2	38.1	15.9	M8	
30 1 1⁄16 1 1⁄8 1 3⁄16 1 1⁄4	UCFCX06D1 UCFCX06-101D1 UCFCX06-102D1 UCFCX06-103D1 UCFCX06-104D1	127	105	74.2	8	12	9.5	22.5	32	85	42.9	42.9	17.5	M10	
35 1 5⁄16 1 3⁄8 1 7⁄16	UCFCX07D1 UCFCX07-105D1 UCFCX07-106D1 UCFCX07-107D1	133	111	78.5	9	12	11	26	37	92	50.2	49.2	19	M10	
40 1 1⁄2 1 9⁄16	UCFCX08D1 UCFCX08-108D1 UCFCX08-109D1	133	111	78.5	9	12	11	26	37	92	50.2	49.2	19	M10	
45 1 5⁄8 1 11⁄16 1 3⁄4 1 13⁄16	UCFCX09D1 UCFCX09-110D1 UCFCX09-111D1 UCFCX09-112D1 UCFCX09-113D1	155	130	91.9	8	14	12	25	37	108	52.6	51.6	19	M12	
50 1 7⁄8 1 15⁄16 2	UCFCX10D1 UCFCX10-114D1 UCFCX10-115D1 UCFCX10-200D1	162	136	96.2	7	14	16	25	41	118	56.4	55.6	22.2	M12	

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

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

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

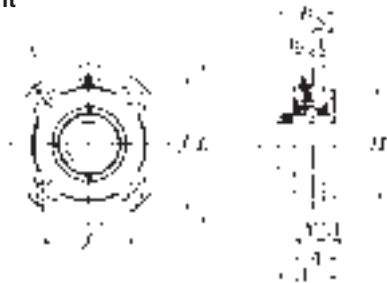


Shaft dia. mm inch	Unit number ⁽¹⁾	Nominal dimensions													Bolt size mm inch
		mm inch													
		<i>L</i>	<i>J</i>	(<i>J</i> ₁)	<i>A</i> ₂	<i>N</i>	<i>A</i> ₃	<i>A</i> ₁	<i>A</i>	<i>H</i> ₃	<i>A</i> ₀	<i>B</i>	<i>S</i>		
55 2 1/16 2 1/8 2 3/16 2 1/4 2 5/16	UCFCX11D1 UCFCX11-201D1 UCFCX11-202D1 UCFCX11-203D1 UCFCX11-204D1 UCFCX11-205D1	180	152	107.5	4	16	22	26	48	127	65.7	65.1	25.4	M14	
		7 3/32	5 53/64	4 15/64	5/32	5/8	55/64	1 1/32	1 57/64	5.0000	2 19/32	2.5630	1.000	1/2	
60 2 3/8 2 7/16	UCFCX12D1 UCFCX12-206D1 UCFCX12-207D1	194	165	116.7	11	16	20	33	53	140	70.7	65.1	25.4	M14	
		7 5/8	6 1/2	4 19/32	7/16	5/8	25/32	1 5/16	2 5/64	5.5118	2 25/32	2.5630	1.000	1/2	
65 2 1/2 2 9/16	UCFCX13D1 UCFCX13-208D1 UCFCX13-209D1	194	165	116.7	11	16	20	33	53	140	75.4	74.6	30.2	M14	
		7 5/8	6 1/2	4 19/32	7/16	5/8	25/32	1 5/16	2 5/64	5.5118	2 31/32	2.9370	1.189	1/2	
70 2 5/8 2 11/16 2 3/4	UCFCX14D1 UCFCX14-210D1 UCFCX14-211D1 UCFCX14-212D1	222	190	134.4	14	19	20	36	56	164	78.5	77.8	33.3	M16	
		8 3/4	7 31/64	5 9/32	35/64	3/4	25/32	1 13/32	2 13/64	6.4567	3 3/32	3.0630	1.311	5/8	
75 2 13/16 2 7/8 2 15/16 3	UCFCX15D1 UCFCX15-213D1 UCFCX15-214D1 UCFCX15-215D1 UCFCX15-300D1	222	190	134.4	12	19	22	35	57	164	83.3	82.6	33.3	M16	
		8 3/4	7 31/64	5 9/32	15/32	3/4	55/64	1 3/8	2 1/4	6.4567	3 9/32	3.2520	1.311	5/8	
80 3 1/16 3 1/8 3 3/16 3 1/4	UCFCX16D1 UCFCX16-301D1 UCFCX16-302D1 UCFCX16-303D1 UCFCX16-304D1	260	219	154.9	10	23	25	36	61	186	86.6	85.7	34.1	M20	
		10 1/4	8 5/8	6 3/32	25/64	29/32	63/64	1 13/32	2 13/32	7.3228	3 13/32	3.3740	1.343	3/4	
85 3 5/16 3 7/16	UCFCX17D1 UCFCX17-305D1 UCFCX17-307D1	260	219	154.9	10	23	25	36	61	186	91.3	96	39.7	M20	
		10 1/4	8 5/8	6 3/32	25/64	29/32	63/64	1 13/32	2 13/32	7.3228	3 19/32	3.7795	1.563	3/4	

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

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

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



Shaft dia.	Unit number ⁽¹⁾	Nominal dimensions												Bolt size
		mm inch												
		<i>L</i>	<i>J</i>	<i>(J₁)</i>	<i>A</i> ₂	<i>N</i>	<i>A</i> ₃	<i>A</i> ₁	<i>A</i>	<i>H</i> ₃	<i>A</i> ₀	<i>B</i>	<i>S</i>	
mm inch														mm inch
90	UCFCX18D1	260	219	154.9	12	23	28	43	71	186	101.1	104	42.9	M20
3 ⁷ / ₁₆	UCFCX18-307D1	10 ¹ / ₄	8 ⁵ / ₈	6 ³ / ₃₂	15 ¹⁵ / ₃₂	29 ²⁹ / ₃₂	1 ⁷ / ₆₄	1 ¹¹ / ₁₆	2 ⁵¹ / ₆₄	7.3228	3 ⁶³ / ₆₄	4.0945	1.689	3 ³ / ₄
3 ¹ / ₂	UCFCX18-308D1													
100	UCFCX20D1	276	238	168.3	22	23	28	66	94	206	118.3	117.5	49.2	M20
3 ¹³ / ₁₆	UCFCX20-313D1	10 ⁷ / ₈	9 ³ / ₈	6 ⁵ / ₈	55 ⁵⁵ / ₆₄	29 ²⁹ / ₃₂	1 ⁷ / ₆₄	2 ¹⁹ / ₃₂	3 ⁴⁵ / ₆₄	8.1102	4 ²¹ / ₃₂	4.6260	1.937	3 ³ / ₄
3 ⁷ / ₈	UCFCX20-314D1													
3 ¹⁵ / ₁₆	UCFCX20-315D1													
4	UCFCX20-400D1													

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

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

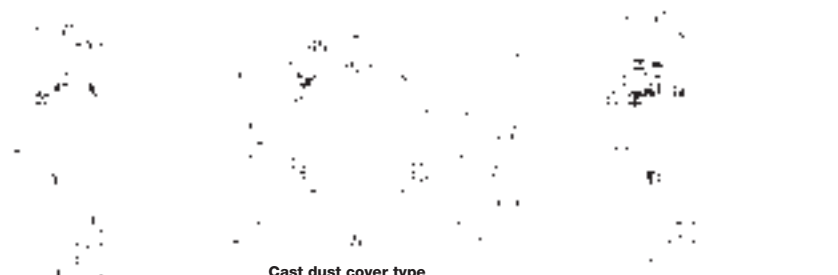
Rhombus flanged unit, cast housing
Set screw type



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

Shaft dia. mm inch	Unit number ⁽¹⁾	Nominal dimensions										Bolt size mm inch	Bearing number
		mm inch											
		<i>H</i>	<i>J</i>	<i>A</i> ₂	<i>A</i> ₁	<i>A</i>	<i>N</i>	<i>L</i>	<i>A</i> ₀	<i>B</i>	<i>S</i>		
12 1/2	UCFL201D1 UCFL201-008D1	113 4 7/16	90 3 35/64	15 19/32	11 7/16	25.5 1	12 15/32	60 2 3/8	33.3 1 5/16	31 1.2205	12.7 0.500	M10 3/8	UC201D1 UC201-008D1
15 9/16 5/8	UCFL202D1 UCFL202-009D1 UCFL202-010D1	113 4 7/16	90 3 35/64	15 19/32	11 7/16	25.5 1	12 15/32	60 2 3/8	33.3 1 5/16	31 1.2205	12.7 0.500	M10 3/8	UC202D1 UC202-009D1 UC202-010D1
17 11/16	UCFL203D1 UCFL203-011D1	113 4 7/16	90 3 35/64	15 19/32	11 7/16	25.5 1	12 15/32	60 2 3/8	33.3 1 5/16	31 1.2205	12.7 0.500	M10 3/8	UC203D1 UC203-011D1
20 3/4	UCFL204D1 UCFL204-012D1	113 4 7/16	90 3 35/64	15 19/32	11 7/16	25.5 1	12 15/32	60 2 3/8	33.3 1 5/16	31 1.2205	12.7 0.500	M10 3/8	UC204D1 UC204-012D1
25 13/16 7/8 15/16	UCFL205D1 UCFL205-013D1 UCFL205-014D1 UCFL205-015D1 UCFL205-100D1	130 5 1/8	99 3 57/64	16 5/8	13 1/2	27 1 1/16	16 5/8	68 2 11/16	35.8 1 13/32	34.1 1.3425	14.3 0.563	M14 1/2	UC205D1 UC205-013D1 UC205-014D1 UC205-015D1 UC205-100D1
1 1 1/16 1 1/8 1 3/16 1 1/4	UCFL206D1 UCFL206-101D1 UCFL206-102D1 UCFL206-103D1 UCFL206-104D1	148 5 13/16	117 4 39/64	18 45/64	13 1/2	31 1 7/32	16 5/8	80 3 5/32	40.2 1 37/64	38.1 1.5000	15.9 0.626	M14 1/2	UC206D1 UC206-101D1 UC206-102D1 UC206-103D1 UC206-104D1
35 1 1/4 1 5/16 1 3/8 1 7/16	UCFL207D1 UCFL207-104D1 UCFL207-105D1 UCFL207-106D1 UCFL207-107D1	161 6 11/32	130 5 1/8	19 3/4	15 19/32	34 1 11/32	16 5/8	90 3 17/32	44.4 1 3/4	42.9 1.6890	17.5 0.689	M14 1/2	UC207D1 UC207-104D1 UC207-105D1 UC207-106D1 UC207-107D1
40 1 1/2 1 9/16	UCFL208D1 UCFL208-108D1 UCFL208-109D1	175 6 7/8	144 5 43/64	21 53/64	15 19/32	36 1 13/32	16 5/8	100 3 15/16	51.2 2 1/64	49.2 1.9370	19 0.748	M14 1/2	UC208D1 UC208-108D1 UC208-109D1

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



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

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

Rhombus flanged unit, cast housing
Set screw type



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

Shaft dia. mm inch	Unit number ⁽¹⁾	Nominal dimensions										Bolt size mm inch	Bearing number
		mm inch											
		<i>H</i>	<i>J</i>	<i>A</i> ₂	<i>A</i> ₁	<i>A</i>	<i>N</i>	<i>L</i>	<i>A</i> ₀	<i>B</i>	<i>S</i>		
45 1 ⁵ / ₈ 1 ¹¹ / ₁₆ 1 ³ / ₄	UCFL209D1 UCFL209-110D1 UCFL209-111D1 UCFL209-112D1	188 7 ¹³ / ₃₂ 5 ⁵³ / ₆₄	148 5 ⁵³ / ₆₄ 5 ⁵ / ₈	22 55 ⁵ / ₆₄ 5 ⁵ / ₈	16 5 ¹ / ₂ 3 ¹ / ₄	38 1 ¹ / ₂ 4 ¹ / ₄	19 3 ¹ / ₄ 2 ¹ / ₁₆	108 2 ¹ / ₁₆ 1.9370	52.2 2 ¹ / ₁₆ 0.748	49.2 1.9370 0.748	19 0.748	M16 5 ⁵ / ₈	UC209D1 UC209-110D1 UC209-111D1 UC209-112D1
50 1 ¹³ / ₁₆ 1 ⁷ / ₈ 1 ¹⁵ / ₁₆ 2	UCFL210D1 UCFL210-113D1 UCFL210-114D1 UCFL210-115D1 UCFL210-200D1	197 7 ³ / ₄ 6 ³ / ₁₆	157 6 ³ / ₁₆ 55 ⁵ / ₆₄	22 55 ⁵ / ₆₄ 5 ⁵ / ₈	16 1 ⁹ / ₁₆ 3 ¹ / ₄	40 1 ⁹ / ₁₆ 4 ¹⁷ / ₃₂	19 3 ¹ / ₄ 2 ⁵ / ₃₂	115 4 ¹⁷ / ₃₂ 2 ⁵ / ₃₂	54.6 2 ⁵ / ₃₂ 2.0315	51.6 2.0315 0.748	19 0.748	M16 5 ⁵ / ₈	UC210D1 UC210-113D1 UC210-114D1 UC210-115D1 UC210-200D1
55 2 2 ¹ / ₁₆ 2 ¹ / ₈ 2 ¹³ / ₁₆	UCFL211D1 UCFL211-200D1 UCFL211-201D1 UCFL211-202D1 UCFL211-203D1	224 8 ¹³ / ₁₆ 7 ¹ / ₄	184 7 ¹ / ₄ 63 ²³ / ₃₂	25 63 ²³ / ₃₂ 1 ¹¹ / ₁₆	18 1 ¹¹ / ₁₆ 3 ¹ / ₄	43 3 ¹ / ₄ 5 ¹ / ₈	19 5 ¹ / ₈ 2 ¹⁹ / ₆₄	130 2 ¹⁹ / ₆₄ 2.1890	58.4 2.1890 0.874	55.6 2.1890 0.874	22.2 0.874	M16 5 ⁵ / ₈	UC211D1 UC211-200D1 UC211-201D1 UC211-202D1 UC211-203D1
60 2 ¹ / ₄ 2 ⁵ / ₁₆ 2 ³ / ₈ 2 ⁷ / ₁₆	UCFL212D1 UCFL212-204D1 UCFL212-205D1 UCFL212-206D1 UCFL212-207D1	250 9 ²⁷ / ₃₂ 7 ⁶¹ / ₆₄	202 7 ⁶¹ / ₆₄ 1 ⁹ / ₆₄	29 1 ⁹ / ₆₄ 23 ⁷ / ₈	18 23 ⁷ / ₈ 1 ⁷ / ₈	48 1 ⁷ / ₈ 29 ⁵ / ₂	23 29 ⁵ / ₂ 2 ⁴⁵ / ₆₄	140 5 ¹ / ₂ 2 ⁴⁵ / ₆₄	68.7 2 ⁴⁵ / ₆₄ 2.5630	65.1 2.5630 1.000	25.4 1.000	M20 3 ³ / ₄	UC212D1 UC212-204D1 UC212-205D1 UC212-206D1 UC212-207D1
65 2 ¹ / ₂ 2 ⁹ / ₁₆	UCFL213D1 UCFL213-208D1 UCFL213-209D1	258 10 ⁵ / ₃₂ 8 ¹⁷ / ₆₄	210 8 ¹⁷ / ₆₄ 1 ³ / ₁₆	30 1 ³ / ₁₆ 7 ⁷ / ₈	22 7 ⁷ / ₈ 1 ³¹ / ₃₂	50 1 ³¹ / ₃₂ 29 ⁶ / ₃₂	23 29 ⁶ / ₃₂ 2 ³ / ₄	155 6 ³ / ₃₂ 2 ³ / ₄	69.7 2 ³ / ₄ 2.5630	65.1 2.5630 1.000	25.4 1.000	M20 3 ³ / ₄	UC213D1 UC213-208D1 UC213-209D1
70 2 ⁵ / ₈ 2 ¹¹ / ₁₆ 2 ³ / ₄	UCFL214D1 UCFL214-210D1 UCFL214-211D1 UCFL214-212D1	265 10 ⁷ / ₁₆ 8 ¹ / ₂	216 8 ¹ / ₂ 1 ⁷ / ₃₂	31 1 ⁷ / ₃₂ 7 ⁷ / ₈	22 7 ⁷ / ₈ 2 ¹ / ₈	54 2 ¹ / ₈ 29 ⁶ / ₃₂	23 2 ¹ / ₈ 6 ⁵ / ₁₆	160 6 ⁵ / ₁₆ 2 ³¹ / ₃₂	75.4 2 ³¹ / ₃₂ 2.9370	74.6 2.9370 1.189	30.2 1.189	M20 3 ³ / ₄	UC214D1 UC214-210D1 UC214-211D1 UC214-212D1

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



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

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

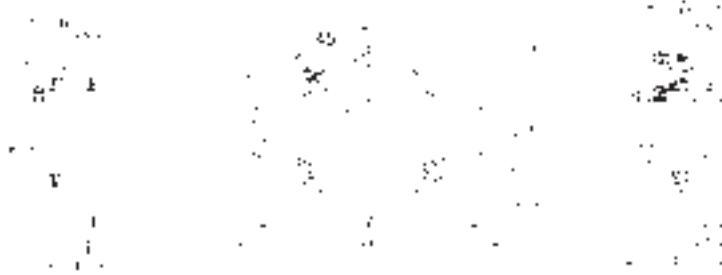
Rhombus flanged unit, cast housing
Set screw type



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

Shaft dia.	Unit number ⁽¹⁾	Nominal dimensions										Bolt size	Bearing number	
		mm inch												
		<i>H</i>	<i>J</i>	<i>A</i> ₂	<i>A</i> ₁	<i>A</i>	<i>N</i>	<i>L</i>	<i>A</i> ₀	<i>B</i>	<i>S</i>			
mm inch											mm inch			
75	UCFL215D1	275	225	34	22	56	23	165	78.5	77.8	33.3	M20	UC215D1	
2 ¹³ / ₁₆	UCFL215-213D1												UC215-213D1	
2 ⁷ / ₈	UCFL215-214D1												UC215-214D1	
2 ¹⁵ / ₁₆	UCFL215-215D1	10 ¹³ / ₁₆	8 ⁵⁵ / ₆₄	1 ¹¹ / ₃₂	7/ ₈	2 ⁷ / ₃₂	29/ ₃₂	6 ¹ / ₂	3 ³ / ₃₂	3.0630	1.311		3/ ₄	UC215-215D1
3	UCFL215-300D1													UC215-300D1
80	UCFL216D1	290	233	34	22	58	25	180	83.3	82.6	33.3	M22	UC216D1	
3 ¹ / ₁₆	UCFL216-301D1												UC216-301D1	
3 ¹ / ₈	UCFL216-302D1	11 ¹³ / ₃₂	9 ¹¹ / ₆₄	1 ¹¹ / ₃₂	7/ ₈	2 ⁹ / ₃₂	63/ ₆₄	7 ³ / ₃₂	3 ⁹ / ₃₂	3.2520	1.311		7/ ₈	UC216-302D1
3 ³ / ₁₆	UCFL216-303D1													UC216-303D1
85	UCFL217D1	305	248	36	24	63	25	190	87.6	85.7	34.1	M22	UC217D1	
3 ¹ / ₄	UCFL217-304D1												UC217-304D1	
3 ⁵ / ₁₆	UCFL217-305D1	12	9 ⁴⁹ / ₆₄	1 ²⁷ / ₆₄	15/ ₁₆	2 ¹⁵ / ₃₂	63/ ₆₄	7 ¹⁵ / ₃₂	3 ²⁹ / ₆₄	3.3740	1.343		7/ ₈	UC217-305D1
3 ⁷ / ₁₆	UCFL217-307D1													UC217-307D1
90	UCFL218D1	320	265	40	24	68	25	205	96.3	96	39.7	M22	UC218D1	
3 ¹ / ₂	UCFL218-308D1	12 ¹⁹ / ₃₂	10 ⁷ / ₁₆	1 ³⁷ / ₆₄	15/ ₁₆	2 ¹¹ / ₁₆	63/ ₆₄	8 ¹ / ₁₆	3 ⁵¹ / ₆₄	3.7795	1.563		7/ ₈	UC218-308D1

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

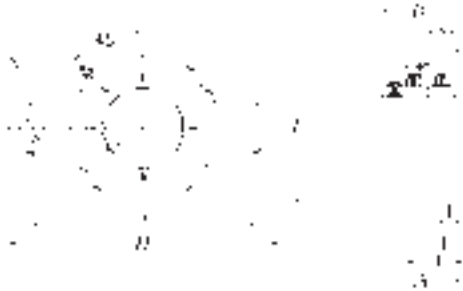


Cast dust cover type
Open end **C-UCFL...D1**
Closed end **CM-UCFL...D1**

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

UCFL3

Rhombus flanged unit, cast housing
Set screw type



Shaft dia. mm inch	Unit number ⁽¹⁾	Nominal dimensions										Bolt size mm inch
		mm inch										
		H	J	A ₂	A ₁	A	N	L	A ₀	B	S	
25 13⁄16 7⁄8 15⁄16 1	UCFL305D1 UCFL305-013D1 UCFL305-014D1 UCFL305-015D1 UCFL305-100D1	150	113	16	13	29	19	80	39	38	15	M16
30 1 1⁄16 1 1⁄8 1 3⁄16	UCFL306D1 UCFL306-101D1 UCFL306-102D1 UCFL306-103D1	180	134	18	15	32	23	90	44	43	17	M20
35 1 1⁄4 1 5⁄16 1 3⁄8 1 7⁄16	UCFL307D1 UCFL307-104D1 UCFL307-105D1 UCFL307-106D1 UCFL307-107D1	185	141	20	16	36	23	100	49	48	19	M20
40 1 1⁄2 1 9⁄16	UCFL308D1 UCFL308-108D1 UCFL308-109D1	200	158	23	17	40	23	112	56	52	19	M20
45 1 5⁄8 1 11⁄16 1 3⁄4	UCFL309D1 UCFL309-110D1 UCFL309-111D1 UCFL309-112D1	230	177	25	18	44	25	125	60	57	22	M22
50 1 13⁄16 1 7⁄8 1 15⁄16	UCFL310D1 UCFL310-113D1 UCFL310-114D1 UCFL310-115D1	240	187	28	19	48	25	140	67	61	22	M22

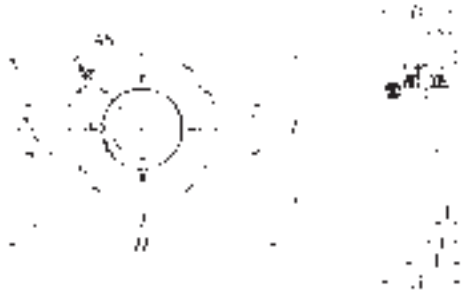
Note ⁽¹⁾ These numbers indicate relubricatable type. If maintenance free type is needed, please order without suffix "D1".
Remarks Please refer to page A21 for size of grease fitting.



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

Bearing number	Housing number	Unit number ⁽¹⁾ cast dust cover type	Nominal dimensions				Mass of unit	
			mm inch				kg lb	
			t max.	A ₅	L ₁	L ₂	UCFL	C(CM)
UC305D1 UC305-013D1 UC305-014D1 UC305-015D1 UC305-100D1	FL305D1 FL305D1 FL305D1 FL305D1 FL305D1	C(CM)-UCFL305D1 C(CM)-UCFL305-013D1 C(CM)-UCFL305-014D1 C(CM)-UCFL305-015D1 C(CM)-UCFL305-100D1	2 5⁄64	56 27⁄32	86 33⁄8	40 19⁄16	0.9 2.0	1.2 2.6
UC306D1 UC306-101D1 UC306-102D1 UC306-103D1	FL306D1 FL306D1 FL306D1 FL306D1	C(CM)-UCFL306D1 C(CM)-UCFL306-101D1 C(CM)-UCFL306-102D1 C(CM)-UCFL306-103D1	2 5⁄64	60 23⁄8	101 331⁄32	45 125⁄32	1.4 3.1	1.7 3.7
UC307D1 UC307-104D1 UC307-105D1 UC307-106D1 UC307-107D1	FL307D1 FL307D1 FL307D1 FL307D1 FL307D1	C(CM)-UCFL307D1 C(CM)-UCFL307-104D1 C(CM)-UCFL307-105D1 C(CM)-UCFL307-106D1 C(CM)-UCFL307-107D1	3 1⁄8	68 211⁄16	110 411⁄32	50 131⁄32	1.7 3.7	2.1 4.6
UC308D1 UC308-108D1 UC308-109D1	FL308D1 FL308D1 FL308D1	C(CM)-UCFL308D1 C(CM)-UCFL308-108D1 C(CM)-UCFL308-109D1	3 1⁄8	76 3	122 413⁄16	56 27⁄32	2.2 4.9	2.9 6.4
UC309D1 UC309-110D1 UC309-111D1 UC309-112D1	FL309D1 FL309D1 FL309D1 FL309D1	C(CM)-UCFL309D1 C(CM)-UCFL309-110D1 C(CM)-UCFL309-111D1 C(CM)-UCFL309-112D1	3 1⁄8	80 35⁄32	135 55⁄16	62 27⁄16	3.0 6.6	3.8 8.4
UC310D1 UC310-113D1 UC310-114D1 UC310-115D1	FL310D1 FL310D1 FL310D1 FL310D1	C(CM)-UCFL310D1 C(CM)-UCFL310-113D1 C(CM)-UCFL310-114D1 C(CM)-UCFL310-115D1	3 1⁄8	88 315⁄32	152 531⁄32	70 23⁄4	4.1 9.0	5.0 11

Rhombus flanged unit, cast housing
Set screw type



Shaft dia. mm inch	Unit number ⁽¹⁾	Nominal dimensions										Bolt size mm inch
		mm inch										
		H	J	A ₂	A ₁	A	N	L	A ₀	B	S	
55	UCFL311D1	250	198	30	20	52	25	150	71	66	25	M22
2	UCFL311-200D1											
2 ¹ / ₁₆	UCFL311-201D1											
2 ¹ / ₈	UCFL311-202D1	9 ²⁷ / ₃₂	7 ⁵¹ / ₆₄	1 ³ / ₁₆	25/ ₃₂	2 ¹ / ₁₆	63/ ₆₄	5 ²⁹ / ₃₂	2 ⁵¹ / ₆₄	2.5984	0.984	7/ ₈
2 ³ / ₁₆	UCFL311-203D1											
60	UCFL312D1	270	212	33	22	56	31	160	78	71	26	M27
2 ¹ / ₄	UCFL312-204D1											
2 ⁵ / ₁₆	UCFL312-205D1											
2 ³ / ₈	UCFL312-206D1	10 ⁵ / ₈	8 ¹¹ / ₃₂	1 ¹⁹ / ₆₄	7/ ₈	2 ⁷ / ₃₂	1 ⁷ / ₃₂	6 ⁵ / ₁₆	3 ⁵ / ₆₄	2.7953	1.024	1
2 ⁷ / ₁₆	UCFL312-207D1											
65	UCFL313D1	295	240	33	25	58	31	175	78	75	30	M27
2 ¹ / ₂	UCFL313-208D1											
2 ⁹ / ₁₆	UCFL313-209D1	11 ⁵ / ₈	9 ²⁹ / ₆₄	1 ¹⁹ / ₆₄	31/ ₃₂	2 ⁹ / ₃₂	1 ⁷ / ₃₂	6 ⁷ / ₈	3 ⁵ / ₆₄	2.9528	1.181	1
70	UCFL314D1	315	250	36	28	61	35	185	81	78	33	M30
2 ⁵ / ₈	UCFL314-210D1											
2 ¹¹ / ₁₆	UCFL314-211D1	12 ¹³ / ₃₂	9 ²⁷ / ₃₂	1 ²⁷ / ₆₄	1 ³ / ₃₂	2 ¹³ / ₃₂	1 ³ / ₈	7 ⁹ / ₃₂	3 ³ / ₁₆	3.0709	1.299	1 ¹ / ₈
2 ³ / ₄	UCFL314-212D1											
75	UCFL315D1	320	260	39	30	66	35	195	89	82	32	M30
2 ¹³ / ₁₆	UCFL315-213D1											
2 ⁷ / ₈	UCFL315-214D1											
2 ¹⁵ / ₁₆	UCFL315-215D1	12 ¹⁹ / ₃₂	10 ¹⁵ / ₆₄	1 ¹⁷ / ₃₂	1 ³ / ₁₆	2 ¹⁹ / ₃₂	1 ³ / ₈	7 ¹¹ / ₁₆	3 ¹ / ₂	3.2283	1.260	1 ¹ / ₈
3	UCFL315-300D1											
80	UCFL316D1	355	285	38	32	68	38	210	90	86	34	M33
3 ¹ / ₁₆	UCFL316-301D1											
3 ¹ / ₈	UCFL316-302D1	13 ³¹ / ₃₂	11 ⁷ / ₃₂	1 ¹ / ₂	1 ¹ / ₄	2 ¹¹ / ₁₆	1 ¹ / ₂	8 ⁹ / ₃₂	3 ³⁵ / ₆₄	3.3858	1.339	1 ¹ / ₄
3 ³ / ₁₆	UCFL316-303D1											

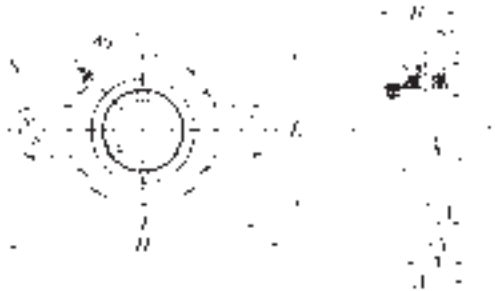
Note ⁽¹⁾ These numbers indicate relubricatable type. If maintenance free type is needed, please order without suffix "D1".
Remarks Please refer to page A21 for size of grease fitting.



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

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

Rhombus flanged unit, cast housing
Set screw type



Shaft dia. mm inch	Unit number ⁽¹⁾	Nominal dimensions										Bolt size mm inch
		mm inch										
		<i>H</i>	<i>J</i>	<i>A</i> ₂	<i>A</i> ₁	<i>A</i>	<i>N</i>	<i>L</i>	<i>A</i> ₀	<i>B</i>	<i>S</i>	
85 3 1/4 3 5/16 3 7/16	UCFL317D1 UCFL317-304D1 UCFL317-305D1 UCFL317-307D1	370 14 9/16	300 11 13/16	44 1 47/64	32 1 1/4	74 2 29/32	38 1 1/2	220 8 21/32	100 3 15/16	96 3.7795	40 1.575	M33 1 1/4
90 3 7/16 3 1/2	UCFL318D1 UCFL318-307D1 UCFL318-308D1	385 15 5/32	315 12 13/32	44 1 47/64	36 1 13/32	76 3	38 1 1/2	235 9 1/4	100 3 15/16	96 3.7795	40 1.575	M33 1 1/4
95 3 5/8 3 11/16 3 3/4	UCFL319D1 UCFL319-310D1 UCFL319-311D1 UCFL319-312D1	405 15 15/16	330 12 63/64	59 2 21/64	40 1 9/16	94 3 11/16	41 1 39/64	250 9 27/32	121 4 49/64	103 4.0551	41 1.614	M36 1 3/8
100 3 13/16 3 7/8 3 15/16 4	UCFL320D1 UCFL320-313D1 UCFL320-314D1 UCFL320-315D1 UCFL320-400D1	440 17 5/16	360 14 11/64	59 2 21/64	40 1 9/16	94 3 11/16	44 1 47/64	270 10 5/8	125 4 59/64	108 4.2520	42 1.654	M39 1 1/2
105	UCFL321D1	440	360	59	40	94	44	270	127	112	44	M39
110	UCFL322D1	470	390	60	42	96	44	300	131	117	46	M39
120	UCFL324D1	520	430	65	48	110	47	330	140	126	51	M42
130	UCFL326D1	550	460	65	50	115	47	360	146	135	54	M42
140	UCFL328D1	600	500	75	60	125	51	400	161	145	59	M45

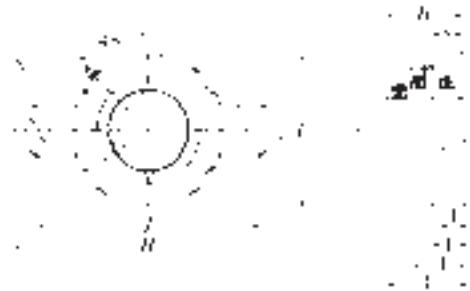
Note ⁽¹⁾ These numbers indicate relubricatable type. If maintenance free type is needed, please order without suffix "D1".
Remarks Please refer to page A21 for size of grease fitting.



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

Bearing number	Housing number	Unit number ⁽¹⁾ cast dust cover type	Nominal dimensions				Mass of unit	
			mm inch				kg lb	
			t max.	A ₅	L ₁	L ₂	UCFL	C(CM)
UC317D1	FL317D1	C(CM)-UCFL317D1	5	127	234	110	15	18
UC317-304D1	FL317D1	C(CM)-UCFL317-304D1						
UC317-305D1	FL317D1	C(CM)-UCFL317-305D1	13/64	5	9 7/32	4 11/32	33	40
UC317-307D1	FL317D1	C(CM)-UCFL317-307D1						
UC318D1	FL318D1	C(CM)-UCFL318D1	5	129	247	118	17	21
UC318-307D1	FL318D1	C(CM)-UCFL318-307D1	13/64	5 3/32	9 23/32	4 21/32	37	46
UC318-308D1	FL318D1	C(CM)-UCFL318-308D1						
UC319D1	FL319D1	C(CM)-UCFL319D1	5	149	260	125	22	26
UC319-310D1	FL319D1	C(CM)-UCFL319-310D1						
UC319-311D1	FL319D1	C(CM)-UCFL319-311D1	13/64	5 7/8	10 1/4	4 29/32	49	57
UC319-312D1	FL319D1	C(CM)-UCFL319-312D1						
UC320D1	FL320D1	C(CM)-UCFL320D1	5	154	280	135	26	31
UC320-313D1	FL320D1	C(CM)-UCFL320-313D1						
UC320-314D1	FL320D1	C(CM)-UCFL320-314D1	13/64	6 1/16	11 1/32	5 5/16	57	68
UC320-315D1	FL320D1	C(CM)-UCFL320-315D1						
UC320-400D1	FL320D1	C(CM)-UCFL320-400D1						
UC321D1	FL321D1	C(CM)-UCFL321D1	5	156	287	135	27	32
UC322D1	FL322D1	C(CM)-UCFL322D1	5	160	315	150	34	39
UC324D1	FL324D1	C(CM)-UCFL324D1	5	172	342	165	48	52
UC326D1	FL326D1	C(CM)-UCFL326D1	6	178	376	180	58	64
UC328D1	FL328D1	C(CM)-UCFL328D1	6	192	410	200	81	90

Rhombus flanged unit, cast housing
Set screw type



Shaft dia. mm inch	Unit number ⁽¹⁾	Nominal dimensions										Bolt size mm inch
		mm inch										
		<i>H</i>	<i>J</i>	<i>A</i> ₂	<i>A</i> ₁	<i>A</i>	<i>N</i>	<i>L</i>	<i>A</i> ₀	<i>B</i>	<i>S</i>	
25 13⁄16 7⁄8 15⁄16 1	UCFLX05D1 UCFLX05-013D1 UCFLX05-014D1 UCFLX05-015D1 UCFLX05-100D1	141	117	18	13	30	12	83	40.2	38.1	15.9	M10
		5 9⁄16	4 39⁄64	45⁄64	1⁄2	1 3⁄16	15⁄32	3 9⁄32	1 37⁄64	1.5000	0.626	3⁄8
30 1 1⁄16 1 1⁄8 1 3⁄16 1 1⁄4	UCFLX06D1 UCFLX06-101D1 UCFLX06-102D1 UCFLX06-103D1 UCFLX06-104D1	156	130	19	15	34	16	95	44.4	42.9	17.5	M14
		6 5⁄32	5 1⁄8	3⁄4	19⁄32	1 11⁄32	5⁄8	3 3⁄4	1 3⁄4	1.6890	0.689	1⁄2
35 1 5⁄16 1 3⁄8 1 7⁄16	UCFLX07D1 UCFLX07-105D1 UCFLX07-106D1 UCFLX07-107D1	171	144	21	16	38	16	105	51.2	49.2	19	M14
		6 23⁄32	5 43⁄64	53⁄64	5⁄8	1 1⁄2	5⁄8	4 1⁄8	2 1⁄64	1.9370	0.748	1⁄2
40 1 1⁄2 1 9⁄16	UCFLX08D1 UCFLX08-108D1 UCFLX08-109D1	179	148	22	16	40	16	111	52.2	49.2	19	M14
		7 1⁄16	5 53⁄64	55⁄64	5⁄8	1 9⁄16	5⁄8	4 3⁄8	2 1⁄16	1.9370	0.748	1⁄2
45 1 5⁄8 1 11⁄16 1 3⁄4 1 13⁄16	UCFLX09D1 UCFLX09-110D1 UCFLX09-111D1 UCFLX09-112D1 UCFLX09-113D1	189	157	23	16	40	16	116	55.6	51.6	19	M14
		7 7⁄16	6 3⁄16	29⁄32	5⁄8	1 9⁄16	5⁄8	4 9⁄16	2 3⁄16	2.0315	0.748	1⁄2
50 1 7⁄8 1 15⁄16 2	UCFLX10D1 UCFLX10-114D1 UCFLX10-115D1 UCFLX10-200D1	216	184	26	18	44	19	133	59.4	55.6	22.2	M16
		8 1⁄2	7 1⁄4	1 1⁄32	23⁄32	1 23⁄32	3⁄4	5 1⁄4	2 11⁄32	2.1890	0.874	5⁄8

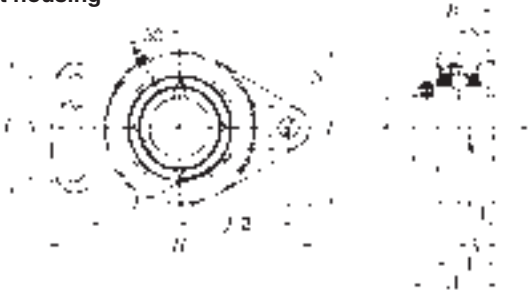
Note ⁽¹⁾ These numbers indicate relubricatable type. If maintenance free type is needed, please order without suffix "D1".
Remarks Please refer to page A21 for size of grease fitting.



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

Bearing number	Housing number	Unit number ⁽¹⁾ cast dust cover type	Nominal dimensions				Mass of unit	
			mm inch				kg lb	
			<i>t</i> max.	<i>A</i> ₅	<i>L</i> ₁	<i>L</i> ₂	UCFL	C(CM)
UCX05D1 UCX05-013D1 UCX05-014D1 UCX05-015D1 UCX05-100D1	FLX05D1 FLX05D1 FLX05D1 FLX05D1 FLX05D1	C(CM)-UCFLX05D1 C(CM)-UCFLX05-013D1 C(CM)-UCFLX05-014D1 C(CM)-UCFLX05-015D1 C(CM)-UCFLX05-100D1	2 5⁄64 2	56 2 7⁄32 59	86 3 3⁄8 98.5	41.5 1 5⁄8 47.5	1.0 2.2 1.5	1.2 2.6 1.8
UCX06D1 UCX06-101D1 UCX06-102D1 UCX06-103D1 UC207-104D1	FLX06D1 FLX06D1 FLX06D1 FLX06D1 FLX06D1	C(CM)-UCFLX06D1 C(CM)-UCFLX06-101D1 C(CM)-UCFLX06-102D1 C(CM)-UCFLX06-103D1 C(CM)-UCFLX06-104D1	 5⁄64 3	 2 5⁄16 66	 3 7⁄8 108.5	 1 7⁄8 52.5	 3.3 1.8	 4.0 2.2
UCX07D1 UCX07-105D1 UCX07-106D1 UCX07-107D1	FLX07D1 FLX07D1 FLX07D1 FLX07D1	C(CM)-UCFLX07D1 C(CM)-UCFLX07-105D1 C(CM)-UCFLX07-106D1 C(CM)-UCFLX07-107D1	 1⁄8 3	 2 19⁄32 70	 4 9⁄32 114.5	 2 1⁄16 55.5	 4.0 2.0	 4.9 2.4
UCX08D1 UCX08-108D1 UCX08-109D1	FLX08D1 FLX08D1 FLX08D1	C(CM)-UCFLX08D1 C(CM)-UCFLX08-108D1 C(CM)-UCFLX08-109D1	 1⁄8 3	 2 3⁄4 73	 4 1⁄4 119.5	 2 3⁄16 58	 4.4 2.2	 5.3 2.7
UCX09D1 UCX09-110D1 UCX09-111D1 UCX09-112D1 UC210-113D1	FLX09D1 FLX09D1 FLX09D1 FLX09D1 FLX09D1	C(CM)-UCFLX09D1 C(CM)-UCFLX09-110D1 C(CM)-UCFLX09-111D1 C(CM)-UCFLX09-112D1 C(CM)-UCFLX09-113D1	 1⁄8 3	 2 7⁄8 76	 4 29⁄32 133.5	 2 9⁄32 66.5	 4.9 3.0	 6.0 3.6
UCX10D1 UCX10-114D1 UCX10-115D1 UC211-200D1	FLX10D1 FLX10D1 FLX10D1 FLX10D1	C(CM)-UCFLX10D1 C(CM)-UCFLX10-114D1 C(CM)-UCFLX10-115D1 C(CM)-UCFLX10-200D1	 1⁄8 3	 5 1⁄4 76	 2 5⁄8 133.5	 2 5⁄8 66.5	 6.6 3.0	 7.9 3.6

Modified rhombus flanged unit, cast housing
Set screw type

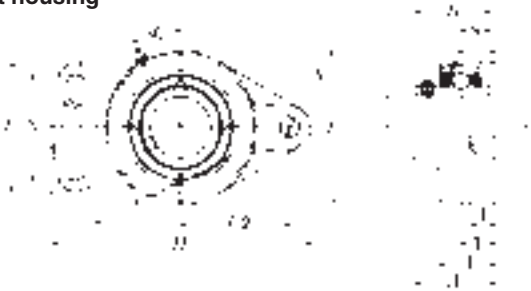


Shaft dia. mm inch	Unit number ⁽¹⁾	Nominal dimensions												Bolt size mm inch
		mm inch												
		<i>H</i>	<i>J</i>	<i>A</i> ₂	<i>A</i> ₁	<i>A</i>	<i>N</i>	<i>N</i> ₁	<i>L</i>	<i>L</i> ₁	<i>A</i> ₀	<i>B</i>	<i>S</i>	
12 1/2	UCFA201D1 UCFA201-008D1	98 3 ²⁷ / ₃₂	78 3 ¹ / ₁₆	15 19/ ₃₂	12 15/ ₃₂	25.5 1	10 25/ ₆₄	40 1 ⁹ / ₁₆	60 2 ³ / ₈	50 1 ³¹ / ₃₂	33.3 1 ⁵ / ₁₆	31 1.2205	12.7 0.500	M8 5/ ₁₆
15 9/16 5/8	UCFA202D1 UCFA202-009D1 UCFA202-010D1	98 3 ²⁷ / ₃₂	78 3 ¹ / ₁₆	15 19/ ₃₂	12 15/ ₃₂	25.5 1	10 25/ ₆₄	40 1 ⁹ / ₁₆	60 2 ³ / ₈	50 1 ³¹ / ₃₂	33.3 1 ⁵ / ₁₆	31 1.2205	12.7 0.500	M8 5/ ₁₆
17 11/16	UCFA203D1 UCFA203-011D1	98 3 ²⁷ / ₃₂	78 3 ¹ / ₁₆	15 19/ ₃₂	12 15/ ₃₂	25.5 1	10 25/ ₆₄	40 1 ⁹ / ₁₆	60 2 ³ / ₈	50 1 ³¹ / ₃₂	33.3 1 ⁵ / ₁₆	31 1.2205	12.7 0.500	M8 5/ ₁₆
20 3/4	UCFA204D1 UCFA204-012D1	98 3 ²⁷ / ₃₂	78 3 ¹ / ₁₆	15 19/ ₃₂	12 15/ ₃₂	25.5 1	10 25/ ₆₄	40 1 ⁹ / ₁₆	60 2 ³ / ₈	50 1 ³¹ / ₃₂	33.3 1 ⁵ / ₁₆	31 1.2205	12.7 0.500	M8 5/ ₁₆
25 13/16 7/8 15/16	UCFA205D1 UCFA205-013D1 UCFA205-014D1 UCFA205-015D1 UCFA205-100D1	124 4 ⁷ / ₈	96 3 ²⁵ / ₃₂	15 19/ ₃₂	14 9/ ₁₆	26.5 1 ¹ / ₃₂	13 33/ ₆₄	49 1 ¹⁵ / ₁₆	70 2 ³ / ₄	64 2 ¹⁷ / ₃₂	34.8 1 ³ / ₈	34.1 1.3425	14.3 0.563	M10 3/ ₈
30 1 ¹ / ₁₆ 1 ¹ / ₈ 1 ³ / ₁₆ 1 ¹ / ₄	UCFA206D1 UCFA206-101D1 UCFA206-102D1 UCFA206-103D1 UCFA206-104D1	141 5 ⁹ / ₁₆	115 4 ¹⁷ / ₃₂	18 45/ ₆₄	14 9/ ₁₆	31 1 ⁷ / ₃₂	13 33/ ₆₄	53 2 ³ / ₃₂	80 3 ⁵ / ₃₂	68 2 ¹¹ / ₁₆	40.2 1 ³⁷ / ₆₄	38.1 1.5000	15.9 0.626	M10 3/ ₈
35 1 ¹ / ₄ 1 ⁵ / ₁₆ 1 ³ / ₈ 1 ⁷ / ₁₆	UCFA207D1 UCFA207-104D1 UCFA207-105D1 UCFA207-106D1 UCFA207-107D1	155 6 ³ / ₃₂	128 5 ¹ / ₃₂	20 25/ ₃₂	16 5/ ₈	34 1 ¹¹ / ₃₂	15 19/ ₃₂	60 2 ³ / ₈	90 3 ¹⁷ / ₃₂	75 2 ¹⁵ / ₁₆	45.4 1 ²⁵ / ₃₂	42.9 1.6890	17.5 0.689	M12 7/ ₁₆
40 1 ¹ / ₂ 1 ⁹ / ₁₆	UCFA208D1 UCFA208-108D1 UCFA208-109D1	171 6 ²³ / ₃₂	142 5 ¹⁹ / ₃₂	22 55/ ₆₄	16 5/ ₈	36 1 ¹³ / ₃₂	15 19/ ₃₂	69 2 ²³ / ₃₂	100 3 ¹⁵ / ₁₆	84 3 ⁵ / ₁₆	52.2 2 ¹ / ₁₆	49.2 1.9370	19 0.748	M12 7/ ₁₆

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

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

Modified rhombus flanged unit, cast housing
Set screw type

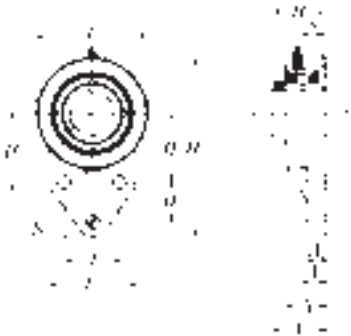


Shaft dia. mm inch	Unit number ⁽¹⁾	Nominal dimensions												Bolt size mm inch
		mm inch												
		H	J	A ₂	A ₁	A	N	N ₁	L	L ₁	A ₀	B	S	
45 1 ⁵ / ₈ 1 ¹¹ / ₁₆ 1 ³ / ₄	UCFA209D1 UCFA209-110D1 UCFA209-111D1 UCFA209-112D1	179	146	22	18	38	17	72	110	88	52.2	49.2	19	M14 1/2
50 1 ¹³ / ₁₆ 1 ⁷ / ₈ 1 ¹⁵ / ₁₆ 2	UCFA210D1 UCFA210-113D1 UCFA210-114D1 UCFA210-115D1 UCFA210-200D1	189	155	22	18	40	17	75	115	92	54.6	51.6	19	M14 1/2
55 2 2 ¹ / ₁₆ 2 ¹ / ₈ 2 ³ / ₁₆	UCFA211D1 UCFA211-200D1 UCFA211-201D1 UCFA211-202D1 UCFA211-203D1	216	182	26	20	43	17	85	130	102	59.4	55.6	22.2	M14 1/2

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

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

Modified flanged unit, cast housing
Set screw type

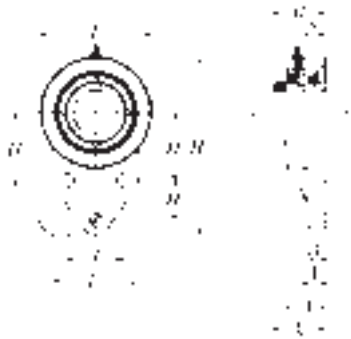


Shaft dia. mm inch	Unit number (*)	Nominal dimensions													
		mm inch													
		H ₃	J	A ₂	A ₁	A	N	H	H ₁	L ₁	H ₂	L	A ₀	B	S
12	UCFH201D1	110	32	15	13	25.5	10	42	27	52	52	62	33.3	31	12.7
1/2	UCFH201-008D1	4 11/32	1 17/64	19/32	1/2	1	25/64	1 21/32	1 1/16	2 1/16	2 1/16	2 7/16	1 5/16	1.2205	0.500
15	UCFH202D1	110	32	15	13	25.5	10	42	27	52	52	62	33.3	31	12.7
9/16	UCFH202-009D1	4 11/32	1 17/64	19/32	1/2	1	25/64	1 21/32	1 1/16	2 1/16	2 1/16	2 7/16	1 5/16	1.2205	0.500
5/8	UCFH202-010D1														
17	UCFH203D1	110	32	15	13	25.5	10	42	27	52	52	62	33.3	31	12.7
1 1/16	UCFH203-011D1	4 11/32	1 17/64	19/32	1/2	1	25/64	1 21/32	1 1/16	2 1/16	2 1/16	2 7/16	1 5/16	1.2205	0.500
20	UCFH204D1	110	32	15	13	25.5	10	42	27	52	52	62	33.3	31	12.7
3/4	UCFH204-012D1	4 11/32	1 17/64	19/32	1/2	1	25/64	1 21/32	1 1/16	2 1/16	2 1/16	2 7/16	1 5/16	1.2205	0.500
25	UCFH205D1	116	34	16	13	27	10	45	27	56	52	68	35.8	34.1	14.3
1 3/16	UCFH205-013D1														
7/8	UCFH205-014D1	4 9/16	1 11/32	5/8	1/2	1 1/16	25/64	1 49/64	1 1/16	2 7/32	2 1/16	2 11/16	1 13/32	1.3425	0.563
15/16	UCFH205-015D1														
1	UCFH205-100D1														
30	UCFH206D1	130	40	18	13	31	10	50	29	65	55	78	40.2	38.1	15.9
1 1/16	UCFH206-101D1														
1 1/8	UCFH206-102D1	5 1/8	1 37/64	45/64	1/2	1 7/32	25/64	1 31/32	1 9/64	2 9/16	2 5/32	3 1/16	1 37/64	1.5000	0.626
1 3/16	UCFH206-103D1														
1 1/4	UCFH206-104D1														
35	UCFH207D1	144	46	19	15	34	10	55	32	70	62	90	44.4	42.9	17.5
1 1/4	UCFH207-104D1														
1 5/16	UCFH207-105D1	5 21/32	1 13/16	3/4	19/32	1 11/32	25/64	2 11/64	1 17/64	2 3/4	2 7/16	3 17/32	1 3/4	1.6890	0.689
1 3/8	UCFH207-106D1														
1 7/16	UCFH207-107D1														

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

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

Modified flanged unit, cast housing
Set screw type



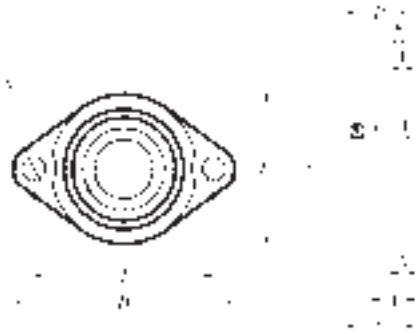
Shaft dia.	Unit number (*)	Nominal dimensions													
		mm inch													
		<i>H</i> ₃	<i>J</i>	<i>A</i> ₂	<i>A</i> ₁	<i>A</i>	<i>N</i>	<i>H</i>	<i>H</i> ₁	<i>L</i> ₁	<i>H</i> ₂	<i>L</i>	<i>A</i> ₀	<i>B</i>	<i>S</i>
40	UCFH208D1	164	50	21	16	36	12	60	41	78	72	100	51.2	49.2	19
1 1/2	UCFH208-108D1	6 15/32	1 31/32	53/64	5/8	1 13/32	15/32	2 23/64	1 39/64	3 1/16	2 27/32	3 15/16	2 1/64	1.9370	0.748
1 9/16	UCFH208-109D1														
45	UCFH209D1	174	54	22	18	38	12	65	43	80	76	106	52.2	49.2	19
1 5/8	UCFH209-110D1														
1 11/16	UCFH209-111D1	6 27/32	2 1/8	55/64	23/32	1 1/2	15/32	2 9/16	1 11/16	3 5/32	3	4 3/16	2 1/16	1.9370	0.748
1 3/4	UCFH209-112D1														
50	UCFH210D1	184	58	22	18	40	12	68	46	86	82	112	54.6	51.6	19
1 13/16	UCFH210-113D1														
1 7/8	UCFH210-114D1	7 1/4	2 9/32	55/64	23/32	1 9/16	15/32	2 43/64	1 13/16	3 3/8	3 7/32	4 13/32	2 5/32	2.0315	0.748
1 15/16	UCFH210-115D1														
2	UCFH210-200D1														

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

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

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

Light rhombus flanged unit, cast housing
Set screw type

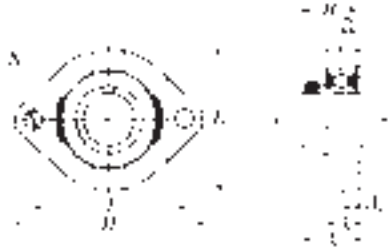


Shaft dia. mm inch	Unit number ⁽¹⁾	Nominal dimensions										Bolt size mm inch
		mm inch										
		<i>H</i>	<i>J</i>	<i>A</i> ₂	<i>A</i> ₁	<i>A</i>	<i>N</i>	<i>L</i>	<i>A</i> ₀	<i>B</i>	<i>S</i>	
12 1/2	ASFB201 ASFB201-008	81 3 3/16	63.5 2 1/2	9.5 3/8	9.5 3/8	18 23/32	7 9/32	56 2 7/32	25.5 1	22 0.8661	6 0.236	M6 1/4
15 9/16 5/8	ASFB202 ASFB202-009 ASFB202-010	81 3 3/16	63.5 2 1/2	9.5 3/8	9.5 3/8	18 23/32	7 9/32	56 2 7/32	25.5 1	22 0.8661	6 0.236	M6 1/4
17 1/2	ASFB203 ASFB203-011	81 3 3/16	63.5 2 1/2	9.5 3/8	9.5 3/8	18 23/32	7 9/32	56 2 7/32	25.5 1	22 0.8661	6 0.236	M6 1/4
20 3/4	ASFB204 ASFB204-012	90 3 17/32	71.5 2 13/16	11 7/16	11 7/16	20 25/32	10 25/64	61 2 13/32	29 1 9/64	25 0.9843	7 0.276	M8 5/16
25 13/16 7/8 15/16 1	ASFB205 ASFB205-013 ASFB205-014 ASFB205-015 ASFB205-100	95 3 3/4	76 2 63/64	11 7/16	11 7/16	20 25/32	10 25/64	64 2 17/32	30.5 1 13/64	27 1.0630	7.5 0.295	M8 5/16
30 1 1/16 1 1/8 1 3/16 1 1/4	ASFB206 ASFB206-101 ASFB206-102 ASFB206-103 ASFB206-104	113 4 7/16	90.5 3 9/16	12 15/32	12 15/32	22.5 7/8	12 15/32	76 3	33 1 19/64	29 1.1417	8 0.315	M10 3/8
35 1 1/4 1 5/16 1 3/4 1 7/16	ASFB207 ASFB207-104 ASFB207-105 ASFB207-106 ASFB207-107	122 4 13/16	100 3 15/16	11 7/16	13 1/2	24 15/16	12 15/32	89 3 1/2	36.5 1 7/16	34 1.3386	8.5 0.335	M10 3/8

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

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

Light rhombus flanged unit, cast housing
Set screw type



Shaft dia. mm inch	Unit number ⁽¹⁾	Nominal dimensions									Bolt size mm inch
		mm inch									
		<i>H</i>	<i>J</i>	<i>A</i> ₂	<i>A</i>	<i>N</i>	<i>L</i>	<i>A</i> ₀	<i>B</i>	<i>S</i>	
12 1/2	ASFD201 ASFD201-008	81 3 3/16	63 2 31/64	8.5 21/64	15 19/32	7 9/32	59 2 5/16	24.5 31/32	22 0.8661	6 0.236	M6 1/4
15 9/16 5/8	ASFD202 ASFD202-009 ASFD202-010	81 3 3/16	63 2 31/64	8.5 21/64	15 19/32	7 9/32	59 2 5/16	24.5 31/32	22 0.8661	6 0.236	M6 1/4
17 11/16	ASFD203 ASFD203-011	81 3 3/16	63 2 31/64	8.5 21/64	15 19/32	7 9/32	59 2 5/16	24.5 31/32	22 0.8661	6 0.236	M6 1/4
20 3/4	ASFD204 ASFD204-012	90 3 17/32	71 2 51/64	9.5 3/8	17 21/32	10 25/64	67 2 5/8	27.5 1 5/64	25 0.9843	7 0.276	M8 5/16
25 13/16 7/8 15/16 1	ASFD205 ASFD205-013 ASFD205-014 ASFD205-015 ASFD205-100	95 3 3/4	76 2 63/64	9.5 3/8	17 21/32	10 25/64	71 2 25/32	29 1 9/64	27 1.0630	7.5 0.295	M8 5/16
30 1 1/16 1 1/8 1 3/16 1 1/4	ASFD206 ASFD206-101 ASFD206-102 ASFD206-103 ASFD206-104	113 4 7/16	90 3 35/64	12 15/32	21 13/16	12 15/32	84 3 5/16	33 1 19/64	29 1.1417	8 0.315	M10 3/8
35 1 1/4 1 5/16 1 3/8 1 7/16	ASFD207 ASFD207-104 ASFD207-105 ASFD207-106 ASFD207-107	125 4 29/32	100 3 15/16	12.5 31/64	22 7/8	12 15/32	94 3 11/16	38 1 1/2	34 1.3386	8.5 0.335	M10 3/8
40 1 1/2 1 9/16	ASFD208 ASFD208-108 ASFD208-109	148 5 13/16	119 4 11/16	14.5 37/64	25 31/32	13.5 17/32	104 4 3/32	43.5 1 23/32	38 1.4961	9 0.354	M12 9/16

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

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

Round flanged unit, pressed steel housing
Set screw type



Shaft dia.	Unit number	Nominal dimensions								Bolt size
		mm inch								
mm inch		<i>H</i>	<i>J</i>	<i>A</i> ₁	<i>N</i> ⁽¹⁾	<i>A</i>	<i>B</i>	<i>S</i>	<i>H</i> ₁ min.	mm inch
12 1/2	ASPF201 ASPF201-008	81 3 3/16	63.5 2 1/2	4 0.157	7.1 9/32	14 9/16	22 0.8661	6 0.236	49 1 15/16	M6 1/4
15 9/16 5/8	ASPF202 ASPF202-009 ASPF202-010	81 3 3/16	63.5 2 1/2	4 0.157	7.1 9/32	14 9/16	22 0.8661	6 0.236	49 1 15/16	M6 1/4
17 11/16	ASPF203 ASPF203-011	81 3 3/16	63.5 2 1/2	4 0.157	7.1 9/32	14 9/16	22 0.8661	6 0.236	49 1 15/16	M6 1/4
20 3/4	ASPF204 ASPF204-012	90 3 35/64	71.5 2 19/16	4 0.157	9 23/64	16 5/8	25 0.9843	7 0.276	56 2 7/32	M8 5/16
25 13/16 7/8 15/16 1	ASPF205 ASPF205-013 ASPF205-014 ASPF205-015 ASPF205-100	95 3 3/4	76 2 63/64	4 0.157	9 23/64	18 23/32	27 1.0630	7.5 0.295	60 2 3/8	M8 5/16
30 1 1/16 1 1/8 1 3/16 1 1/4	ASPF206 ASPF206-101 ASPF206-102 ASPF206-103 ASPF206-104	113 4 7/16	90.5 3 9/16	5.2 0.205	11 7/16	18 23/32	29 1.1417	8 0.315	71 2 13/16	M10 3/8
35 1 1/4 1 5/16 1 3/8 1 7/16	ASPF207 ASPF207-104 ASPF207-105 ASPF207-106 ASPF207-107	122 4 13/16	100 3 15/16	5.2 0.205	11 7/16	20 25/32	34 1.3386	8.5 0.335	81 3 3/16	M10 3/8
40 1 1/2 1 9/16	ASPF208 ASPF208-108 ASPF208-109	148 5 13/16	119 4 11/16	6.8 0.268	13.5 17/32	21 13/16	38 1.4961	9 0.354	91 3 19/32	M12 1/2

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

Max. load (2) recommended		Bearing number	Housing number	Mass of unit
N lbf				
radial	axial			
2 700 600	1 350 300	AS201 AS201-008	PF203 PF203	0.2 0.4
2 700 600	1 350 300	AS202 AS202-009 AS202-010	PF203 PF203 PF203	0.2 0.4
2 700 600	1 350 300	AS203 AS203-011	PF203 PF203	0.2 0.4
3 000 660	1 500 330	AS204 AS204-012	PF204 PF204	0.2 0.4
4 000 880	2 000 440	AS205 AS205-013 AS205-014 AS205-015 AS205-100	PF205 PF205 PF205 PF205 PF205	0.3 0.7
5 000 1 100	2 500 550	AS206 AS206-101 AS206-102 AS206-103 AS206-104	PF206 PF206 PF206 PF206 PF206	0.4 0.9
6 000 1 300	3 000 650	AS207 AS207-104 AS207-105 AS207-106 AS207-107	PF207 PF207 PF207 PF207 PF207	0.6 1.3
7 000 1 500	3 500 750	AS208 AS208-108 AS208-109	PF208 PF208 PF208	0.9 2.0

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



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

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

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

Rhombus flanged unit, pressed steel housing
 Set screw type



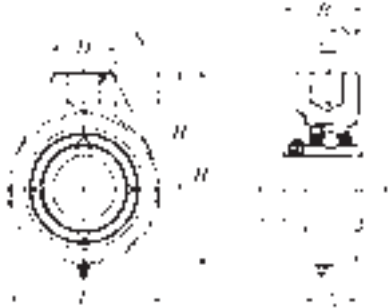
Shaft dia.	Unit number	Nominal dimensions										Bolt size
		<i>H</i>	<i>J</i>	<i>A</i> ₁	<i>N</i>	<i>A</i>	<i>L</i>	<i>B</i>	<i>S</i>	<i>H</i> ₁ min.	<i>mm</i> inch	
<i>mm</i> inch												
12 1/2	ASPFL201 ASPFL201-008	81 3 3/16	63.5 2 1/2	4 0.157	7.1 9/32	14 9/16	59 2 5/16	22 0.8661	6 0.236	49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

Note (1) The permissible load only applies in applications where the load is stable and the speed is 2400 min⁻¹ or less.

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

UCHB2

Hanger unit, cast housing
Set screw type



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

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

Nominal Designation of Thread <i>N</i>	Nominal dimensions mm				
	Major Diameter of Internal Thread	Pitch Diameter	Minor Diameter of Internal Thread	Tolerances	Mounting Bolt size
Rp ³ / ₄ (PS ³ / ₄)	26.441	25.279	24.117	±0.142	R ³ / ₄ (PT ³ / ₄)
Rp1(PS1)	33.249	31.770	30.291	±0.181	R1 (PT1)
Rp1 ¹ / ₄ (PS1 ¹ / ₄)	41.910	40.431	38.952	±0.181	R1 ¹ / ₄ (PT1 ¹ / ₄)
Rp1 ¹ / ₂ (PS1 ¹ / ₂)	47.803	46.324	44.845	±0.181	R1 ¹ / ₂ (PT1 ¹ / ₂)

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

Hanger unit, cast housing
Set screw type



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

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

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

Nominal Designation of Thread <i>N</i>	Nominal dimensions mm				
	Major Diameter of Internal Thread	Pitch Diameter	Minor Diameter of Internal Thread	Tolerances	Mounting Bolt size
Rp ³ / ₄ (PS ³ / ₄)	26.441	25.279	24.117	±0.142	R ³ / ₄ (PT ³ / ₄)
Rp1 (PS1)	33.249	31.770	30.291	±0.181	R1 (PT1)
Rp1 ¹ / ₄ (PS1 ¹ / ₄)	41.910	40.431	38.952	±0.181	R1 ¹ / ₄ (PT1 ¹ / ₄)
Rp1 ¹ / ₂ (PS1 ¹ / ₂)	47.803	46.324	44.845	±0.181	R1 ¹ / ₂ (PT1 ¹ / ₂)

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

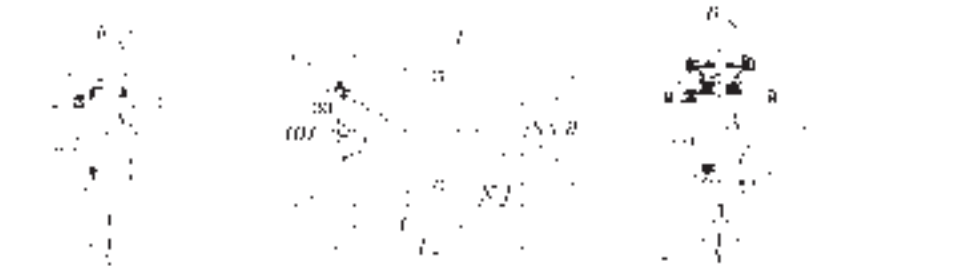
Take-up unit, cast housing
Set screw type



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

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

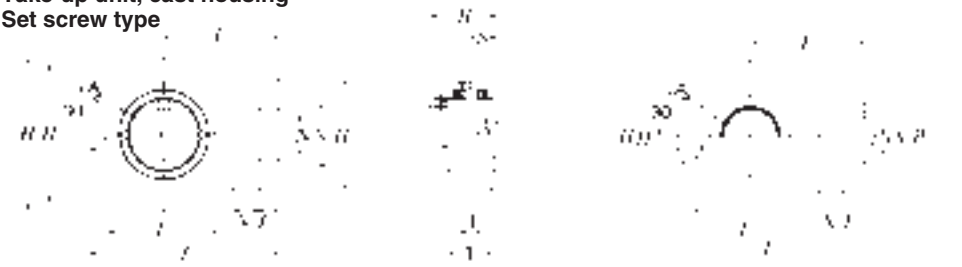
Note ⁽¹⁾ These numbers indicate relubricatable type. If maintenance free type is needed, please order without suffix "D1".
Remarks Please refer to page **A21** for size of grease fitting.



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

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

Take-up unit, cast housing
Set screw type



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

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

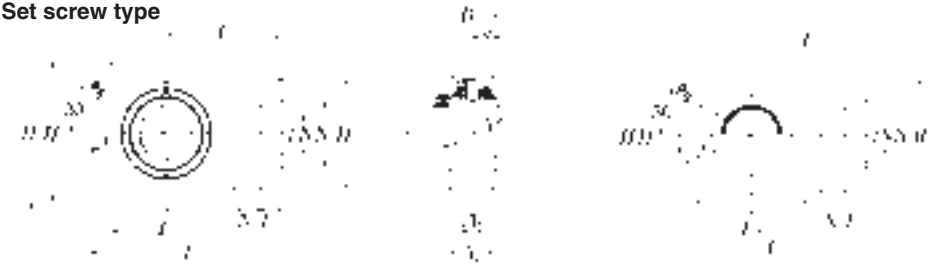
Note ⁽¹⁾ These numbers indicate relubricatable type. If maintenance free type is needed, please order without suffix "D1".
Remarks Please refer to page A21 for size of grease fitting.



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

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

Take-up unit, cast housing
Set screw type



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

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

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



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

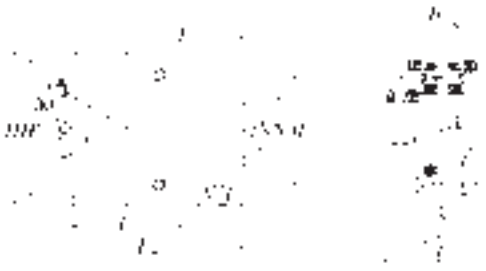
Bearing number	Housing number	Unit number ⁽¹⁾ pressed steel dust cover type	Unit number ⁽¹⁾ cast dust cover type	Nominal dimensions					Mass of unit		
				mm inch					kg lb		
				<i>t</i> max.	<i>A</i> ₄	<i>L</i> ₄	<i>A</i> ₅		UCT	Z(ZM)	C(CM)
UC215D1	T215D1	—	C(CM)-UCT215D1	4	—	232	135		7.4	—	9.8
UC215-213D1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

Take-up unit, cast housing
Set screw type



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

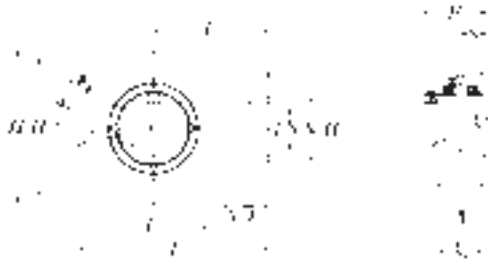
Note ⁽¹⁾ These numbers indicate relubricatable type. If maintenance free type is needed, please order without suffix "D1".
Remarks Please refer to page A21 for size of grease fitting.



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

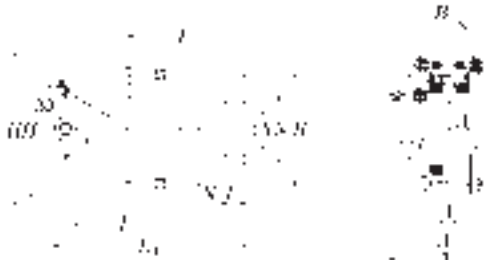
Bearing number	Housing number	Unit number ⁽¹⁾ cast dust cover type	Nominal dimensions			Mass of unit	
			mm inch			kg lb	
			<i>t</i> max.	<i>L</i> ₄	<i>A</i> ₅	UCT	C(CM)
UC305D1	T305D1	C(CM)-UCT305D1	2	122	80	1.4	1.7
UC305-013D1	T305D1	C(CM)-UCT305-013D1					
UC305-014D1	T305D1	C(CM)-UCT305-014D1	⁵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

Take-up unit, cast housing
Set screw type



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

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



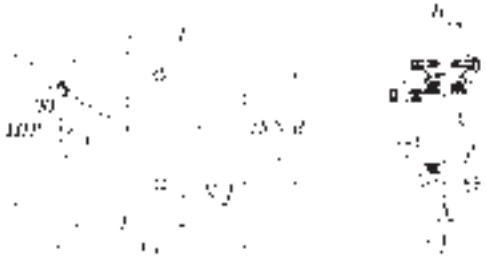
Cast dust cover type							
Open end		C-UCT---D1					
Closed end		CM-UCT---D1					
Bearing number	Housing number	Unit number (1) cast dust cover type	Nominal dimensions			Mass of unit	
			mm inch			kg lb	
			<i>t</i> max.	<i>L</i> ₄	<i>A</i> ₅	UCT	C(CM)
UC311D1	T311D1	C(CM)-UCT311D1	4	211	125	6.3	8.4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

Take-up unit, cast housing
Set screw type



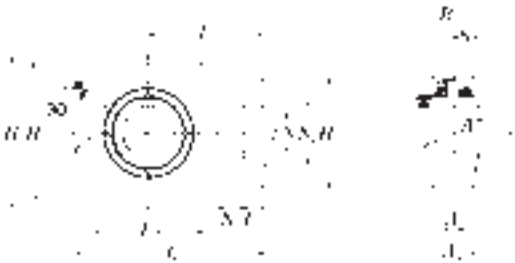
Shaft dia. mm inch	Unit number ⁽¹⁾	Nominal dimensions																
		mm inch																
		N ₁	L ₂	H ₂	N ₂	N	L ₃	A ₁	H ₁	H	L	A ₂	A	r	L ₁	B	S	
85 3 1/4 3 5/16 3 7/16	UCT317D1 UCT317-304D1 UCT317-305D1 UCT317-307D1	42	32	152	98	53	170	32	214	240	298	64	102	115	183	96	40	
		1 21/32	1 1/4	5 31/32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

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



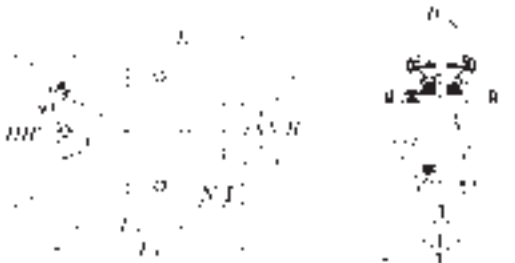
Cast dust cover type							
Open end		C-UCT---D1					
Closed end		CM-UCT---D1					
Bearing number	Housing number	Unit number ⁽¹⁾ cast dust cover type	Nominal dimensions			Mass of unit	
			mm inch			kg lb	
			t max.	L ₄	A ₅	UCT	C(CM)
UC317D1	T317D1	C(CM)-UCT317D1	5	303	170	19	25
UC317-304D1	T317D1	C(CM)-UCT317-304D1					
UC317-305D1	T317D1	C(CM)-UCT317-305D1	13/64	11 15/16	6 11/16	42	55
UC317-307D1	T317D1	C(CM)-UCT317-307D1					
UC318D1	T318D1	C(CM)-UCT318D1	5	317	170	21	27
UC318-307D1	T318D1	C(CM)-UCT318-307D1	13/64	12 15/32	6 11/16	46	60
UC318-308D1	T318D1	C(CM)-UCT318-308D1					
UC319D1	T319D1	C(CM)-UCT319D1	5	327	180	24	31
UC319-310D1	T319D1	C(CM)-UCT319-310D1					
UC319-311D1	T319D1	C(CM)-UCT319-311D1	13/64	12 7/8	7 3/32	53	68
UC319-312D1	T319D1	C(CM)-UCT319-312D1					
UC320D1	T320D1	C(CM)-UCT320D1	5	350	190	30	38
UC320-313D1	T320D1	C(CM)-UCT320-313D1					
UC320-314D1	T320D1	C(CM)-UCT320-314D1	13/64	13 25/32	7 15/32	66	84
UC320-315D1	T320D1	C(CM)-UCT320-315D1					
UC320-400D1	T320D1	C(CM)-UCT320-400D1					
UC321D1	T321D1	C(CM)-UCT321D1	5	359	195	32	43
UC322D1	T322D1	C(CM)-UCT322D1	5	395	200	40	55
UC324D1	T324D1	C(CM)-UCT324D1	5	439	215	55	71
UC326D1	T326D1	C(CM)-UCT326D1	6	476	225	69	92
UC328D1	T328D1	C(CM)-UCT328D1	6	519	235	84	111

Take-up unit, cast housing
Set screw type



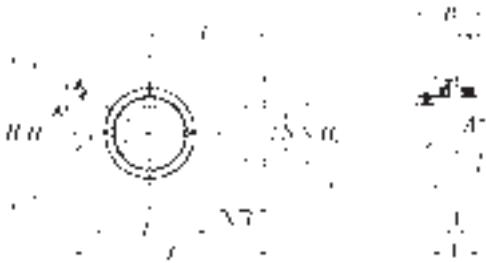
Shaft dia. mm inch	Unit number ⁽¹⁾	Nominal dimensions															
		mm inch															
		N ₁	L ₂	H ₂	N ₂	N	L ₃	A ₁	H ₁	H	L	A ₂	A	r	L ₁	B	S
25	UCTX05D1	16	12	56	37	22	57	12	89	102	113	28	37	43	70	38.1	15.9
	UCTX05-013D1																
	UCTX05-014D1																
	UCTX05-015D1																
1	UCTX05-100D1																
30	UCTX06D1	16	15	64	37	22	64	12	89	102	129	30	37	51	78	42.9	17.5
	UCTX06-101D1																
	UCTX06-102D1																
	UCTX06-103D1																
	UCTX06-104D1																
35	UCTX07D1	19	17	83	49	29	83	16	102	114	144	36	49	56	88	49.2	19
	UCTX07-105D1																
	UCTX07-106D1																
	UCTX07-107D1																
40	UCTX08D1	19	17	83	49	29	83	16	102	117	144	36	49	57	87	49.2	19
	UCTX08-108D1																
	UCTX08-109D1																
45	UCTX09D1	19	18	83	49	29	86	16	102	117	151	38	49	59	92	51.6	19
	UCTX09-110D1																
	UCTX09-111D1																
	UCTX09-112D1																
	UCTX09-113D1																
50	UCTX10D1	25	21	102	64	35	95	22	130	146	171	42	64	65	106	55.6	22.2
	UCTX10-114D1																
	UCTX10-115D1																
2	UCTX10-200D1																

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



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

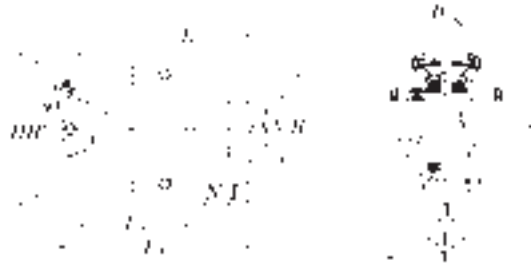
Take-up unit, cast housing
Set screw type



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

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

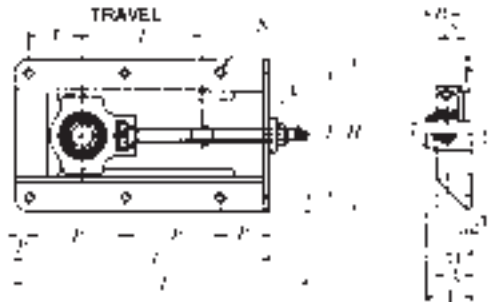
Remarks Please refer to page A21 for size of grease fitting.



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

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

Take-up stretcher units™
Set screw type



Shaft dia. mm	Unit number ⁽¹⁾	Nominal dimensions																	
		mm																	
		L	H	J	J ₁	J ₃	A ₁	A ₂	A	P ₁	P ₂	P ₃	N	L ₁	A ₃	B	S	k square	
12	UCT201-15	317	199	150	69	154	6	30	50	19	117	64	12	370	48.3	31	12.7	9	
15	UCT202-15	317	199	150	69	154	6	30	50	19	117	64	12	370	48.3	31	12.7	9	
17	UCT203-15	317	199	150	69	154	6	30	50	19	117	64	12	370	48.3	31	12.7	9	
20	UCT204-15	317	199	150	69	154	6	30	50	19	117	64	12	370	48.3	31	12.7	9	
25	UCT205-15	317	199	150	68	154	6	30	50	19	117	64	12	370	49.8	34.1	14.3	9	
30	UCT206-15	337	212	150	73	166	6	32	50	19	127	64	12	393	54.2	38.1	15.9	10	
35	UCT207-23	429	212	230	80	166	6	32	50	19	173	64	12	485	57.4	42.9	17.5	10	
40	UCT208-30	520	233	300	88	192	6	32	50	22	217	64	12	596	62.2	49.2	19	15	
45	UCT209-30	520	233	300	88	192	6	32	50	22	217	64	12	596	62.2	49.2	19	15	
50	UCT210-30	524	233	300	92	192	6	35	50	22	219	64	15	599	67.6	51.6	19	15	
55	UCT211-30	542	285	300	93	240	8	38	65	22	230	60	15	630	71.4	55.6	22.2	17	
60	UCT212-30	568	285	300	103	240	8	38	65	22	243	60	15	657	77.7	65.1	25.4	17	
65	UCT213-30	606	306	300	125	260	8	43	65	22	260	64	15	705	82.7	65.1	25.4	23	

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

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

Take-up type L stretcher units™
Set screw type



Shaft dia. mm	Unit number ⁽¹⁾	Nominal dimensions									Bolt size	Max. load ⁽²⁾ recommended N
		H	L	J	J ₂	mm L ₁	J ₁	H ₁	B	S		
20	UCL204-10	77	430	370	100	320	135	146	31	12.7	M12	1 960
	UCL204-20	77	530	470	200	420	135	146	31	12.7	M12	1 960
	UCL204-30	77	630	570	300	520	135	146	31	12.7	M12	1 960
	UCL204-40	77	730	670	400	620	135	146	31	12.7	M12	1 960
25	UCL205-10	82	440	380	100	330	140	156	34.1	14.3	M12	2 250
	UCL205-20	82	540	480	200	430	140	156	34.1	14.3	M12	2 250
	UCL205-30	82	640	580	300	530	140	156	34.1	14.3	M12	2 250
	UCL205-40	82	740	680	400	630	140	156	34.1	14.3	M12	2 250
30	UCL206-10	87	450	390	100	340	145	166	38.1	15.9	M12	3 230
	UCL206-20	87	550	490	200	440	145	166	38.1	15.9	M12	3 230
	UCL206-30	87	650	590	300	540	145	166	38.1	15.9	M12	3 230
	UCL206-40	87	750	690	400	640	145	166	38.1	15.9	M12	3 230
35	UCL207-10	92	460	400	100	350	150	176	42.9	17.5	M12	4 210
	UCL207-20	92	560	500	200	450	150	176	42.9	17.5	M12	4 210
	UCL207-30	92	660	600	300	550	150	176	42.9	17.5	M12	4 210
	UCL207-40	92	760	700	400	650	150	176	42.9	17.5	M12	4 210
40	UCL208-10	97	470	410	100	360	155	186	49.2	19	M12	4 500
	UCL208-20	97	570	510	200	460	155	186	49.2	19	M12	4 500
	UCL208-30	97	670	610	300	560	155	186	49.2	19	M12	4 500
	UCL208-40	97	770	710	400	660	155	186	49.2	19	M12	4 500
45	UCL209-10	100	480	420	100	370	160	192	49.2	19	M12	4 500
	UCL209-20	100	580	520	200	470	160	192	49.2	19	M12	4 500
	UCL209-30	100	680	620	300	570	160	192	49.2	19	M12	4 500
	UCL209-40	100	780	720	400	670	160	192	49.2	19	M12	4 500

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

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

Take-up type M stretcher units™

Set screw type



Shaft dia. mm	Unit number ⁽¹⁾	Nominal dimensions									Bolt size	Max. load ⁽²⁾ recommended N
		H	L	J	J ₂	mm L ₁	J ₁	H ₁	B	S		
40	UCM208-50	97	870	810	500	760	155	190	49.2	19	M18	5 190
	UCM208-60	97	970	910	600	860	155	190	49.2	19	M18	5 190
	UCM208-70	97	1070	1010	700	960	155	190	49.2	19	M18	5 190
	UCM208-80	97	1170	1110	800	1060	155	190	49.2	19	M18	5 190
	UCM208-90	97	1270	1210	900	1160	155	190	49.2	19	M18	5 190
45	UCM209-50	102	880	820	500	770	160	200	49.2	19	M18	5 880
	UCM209-60	102	980	920	600	870	160	200	49.2	19	M18	5 880
	UCM209-70	102	1080	1020	700	970	160	200	49.2	19	M18	5 880
	UCM209-80	102	1180	1120	800	1070	160	200	49.2	19	M18	5 880
	UCM209-90	102	1280	1220	900	1170	160	200	49.2	19	M18	5 880
50	UCM210-50	107	890	830	500	780	165	210	51.6	19	M18	6 460
	UCM210-60	107	990	930	600	880	165	210	51.6	19	M18	6 460
	UCM210-70	107	1090	1030	700	980	165	210	51.6	19	M18	6 460
	UCM210-80	107	1190	1130	800	1080	165	210	51.6	19	M18	6 460
	UCM210-90	107	1290	1230	900	1180	165	210	51.6	19	M18	6 460
55	UCM211-50	115	910	850	500	800	175	230	55.6	22.2	M18	6 460
	UCM211-60	115	1010	950	600	900	175	230	55.6	22.2	M18	6 460
	UCM211-70	115	1110	1050	700	1000	175	230	55.6	22.2	M18	6 460
	UCM211-80	115	1210	1150	800	1100	175	230	55.6	22.2	M18	6 460
	UCM211-90	115	1310	1250	900	1200	175	230	55.6	22.2	M18	6 460
60	UCM212-50	120	920	860	500	810	180	240	65.1	25.4	M18	6 460
	UCM212-60	120	1020	960	600	910	180	240	65.1	25.4	M18	6 460
	UCM212-70	120	1120	1060	700	1010	180	240	65.1	25.4	M18	6 460
	UCM212-80	120	1220	1160	800	1110	180	240	65.1	25.4	M18	6 460
	UCM212-90	120	1320	1260	900	1210	180	240	65.1	25.4	M18	6 460
65	UCM213-50	125	940	880	500	830	190	250	65.1	25.4	M18	6 460
	UCM213-60	125	1040	980	600	930	190	250	65.1	25.4	M18	6 460
	UCM213-70	125	1140	1080	700	1030	190	250	65.1	25.4	M18	6 460
	UCM213-80	125	1240	1180	800	1130	190	250	65.1	25.4	M18	6 460
	UCM213-90	125	1340	1280	900	1230	190	250	65.1	25.4	M18	6 460

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

⁽²⁾ The Stretcher Units is designed to only take a horizontal radial load, in line with the adjustment direction.
Axial loads or vertical radial loads can deform or break the housing.

Bearing number	Mass of unit kg
UC208D1	20
UC208D1	22
UC208D1	23
UC208D1	24
UC208D1	30
UC209D1	21
UC209D1	23
UC209D1	24
UC209D1	30
UC209D1	32
UC210D1	23
UC210D1	24
UC210D1	30
UC210D1	32
UC210D1	33
UC211D1	25
UC211D1	27
UC211D1	32
UC211D1	34
UC211D1	36
UC212D1	28
UC212D1	29
UC212D1	35
UC212D1	36
UC212D1	38
UC213D1	30
UC213D1	31
UC213D1	36
UC213D1	38
UC213D1	40

Take-up type M stretcher units™ Set screw type



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

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

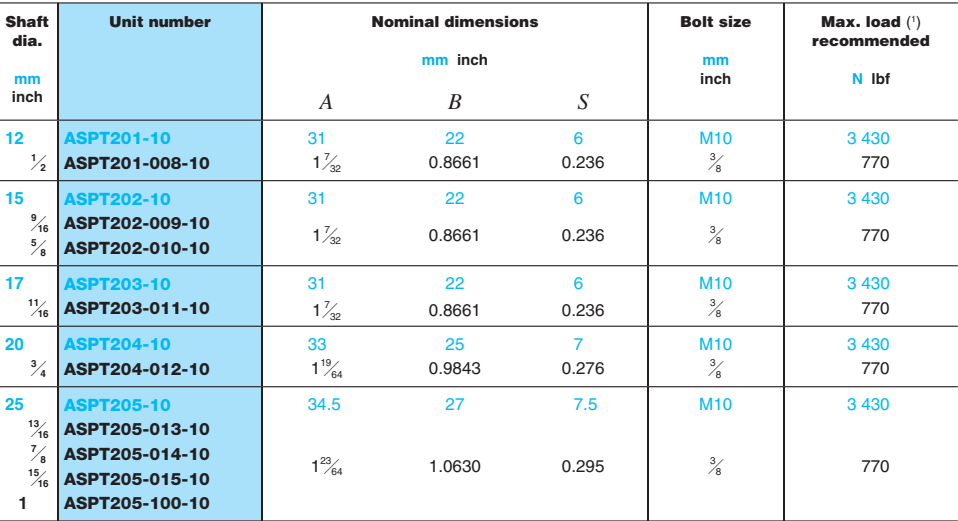
⁽²⁾ The Stretcher Units is designed to only take a horizontal radial load, in line with the adjustment direction. Axial loads or vertical radial loads can deform or break the housing.



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

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

⁽²⁾ The Stretcher Units is designed to only take a horizontal radial load, in line with the adjustment direction. Axial loads or vertical radial loads can deform or break the housing.



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

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

Cartridge unit, cast housing
Set screw type



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

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

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

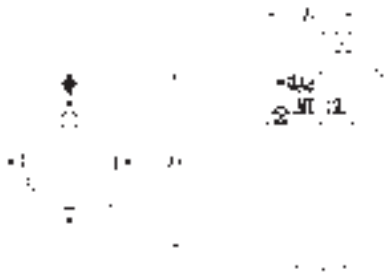


Shaft dia. mm inch	Unit number (1)	Nominal dimensions					Bearing number	Housing number	Mass of unit
		mm inch							kg lb
		H	A	r	B	S			
40 1 1/2 1 9/16	UCC208D1 UCC208-108D1 UCC208-109D1	100 3.9370	30 1 3/16	2.5 0.098	49.2 1.9370	19 0.748	UC208D1 UC208-108D1 UC208-109D1	C208D1 C208D1 C208D1	1.2 2.6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

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

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

Cartridge unit, cast housing
Set screw type



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

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

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



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

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

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

Cartridge unit, cast housing
Set screw type



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

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

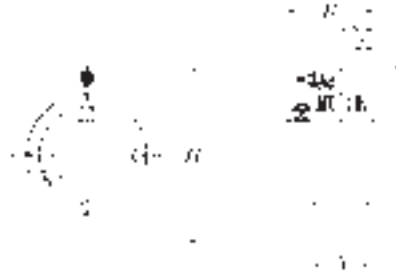
Remarks Please refer to page A21 for size of grease fitting.

Cartridge unit, cast housing
Set screw type



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

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



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

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

Pillow block unit, cast housing
Eccentric locking collar type



Shaft dia. mm inch	Unit number ⁽¹⁾	Nominal dimensions											Bolt size mm inch
		mm inch											
		<i>H</i>	<i>L</i>	<i>J</i>	<i>A</i>	<i>N</i>	<i>N</i> ₁	<i>H</i> ₁	<i>H</i> ₂	<i>L</i> ₁	<i>B</i> ₁	<i>S</i>	
20 3/4	UEL204D1W3 UEL204-012D1W3	33.3 1 5/16	127 5	95 3 3/4	38 1 1/2	13 1/2	16 5/8	14 9/16	65 2 9/16	42 1 21/32	43.7 1.720	17.1 0.673	M10 3/8
25 13/16 7/8 15/16 1	UEL205D1W3 UEL205-013D1W3 UEL205-014D1W3 UEL205-015D1W3 UEL205-100D1W3	36.5 1 7/16	140 5 1/2	105 4 1/8	38 1 1/2	13 1/2	16 5/8	15 19/32	71 2 25/32	42 1 21/32	44.4 1.748	17.45 0.687	M10 3/8
30 1 1/16 1 1/8 1 3/16 1 1/4	UEL206D1W3 UEL206-101D1W3 UEL206-102D1W3 UEL206-103D1W3 UEL206-104D1W3	42.9 1 11/16	165 6 1/2	121 4 3/4	48 1 7/8	17 2 1/32	20 25/32	17 2 1/32	83 3 9/32	54 2 1/8	48.4 1.906	18.25 0.719	M14 1/2
35 1 1/4 1 5/16 1 3/8 1 7/8	UEL207D1W3 UEL207-104D1W3 UEL207-105D1W3 UEL207-106D1W3 UEL207-107D1W3	47.6 1 7/8	167 6 9/16	127 5	48 1 7/8	17 2 1/32	20 25/32	18 23/32	93 3 21/32	54 2 1/8	51.1 2.012	18.8 0.740	M14 1/2
40 1 1/2 1 9/16	UEL208D1W3 UEL208-108D1W3 UEL208-109D1W3	49.2 1 15/16	184 7 1/4	137 5 13/32	54 2 1/8	17 2 1/32	20 25/32	18 23/32	98 3 27/32	52 2 1/16	56.3 2.217	21.4 0.843	M14 1/2
45 1 5/8 1 11/16 1 3/4	UEL209D1W3 UEL209-110D1W3 UEL209-111D1W3 UEL209-112D1W3	54 2 1/8	190 7 15/32	146 5 3/4	54 2 1/8	17 2 1/32	20 25/32	20 25/32	106 4 3/16	60 2 3/8	56.3 2.217	21.4 0.843	M14 1/2
50 1 13/16 1 7/8 1 15/16 2	UEL210D1W3 UEL210-113D1W3 UEL210-114D1W3 UEL210-115D1W3 UEL210-200D1W3	57.2 2 1/4	206 8 1/8	159 6 1/4	60 2 3/8	20 25/32	23 29/32	21 13/16	114 4 1/2	65 2 9/16	62.7 2.469	24.6 0.969	M16 5/8

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

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

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

Pillow block unit, cast housing
Eccentric locking collar type



Shaft dia. mm inch	Unit number ⁽¹⁾	Nominal dimensions											Bolt size mm inch
		mm inch											
		<i>H</i>	<i>L</i>	<i>J</i>	<i>A</i>	<i>N</i>	<i>N</i> ₁	<i>H</i> ₁	<i>H</i> ₂	<i>L</i> ₁	<i>B</i> ₁	<i>S</i>	
55 2 2 1/16 2 1/8 2 3/16	UEL211D1W3 UEL211-200D1W3 UEL211-201D1W3 UEL211-202D1W3 UEL211-203D1W3	63.5 219 171 60 20 23 23 126 65 71.4 27.75	M16 										

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

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

Pillow block unit, cast housing
Eccentric locking collar type



Shaft dia. mm inch	Unit number (¹)	Nominal dimensions											Bolt size mm inch
		mm inch											
		H	L	J	A	N	N ₁	H ₁	H ₂	L ₁	B ₁	S	
25 1 ¹³ / ₁₆ 7 ⁷ / ₈ 1 ¹⁵ / ₁₆ 1	UEL305D1W3 UEL305-013D1W3 UEL305-014D1W3 UEL305-015D1W3 UEL305-100D1W3	45	175	132	45	17	20	15	85	54	46.8	16.7	M14
		1 ⁴⁹ / ₆₄	6 ⁷ / ₈	5 ³ / ₁₆	1 ²⁵ / ₃₂	2 ¹ / ₃₂	2 ⁵ / ₃₂	1 ⁹ / ₃₂	3 ¹¹ / ₃₂	2 ¹ / ₈	1.843	0.657	1 ¹ / ₂
30 1 ¹ / ₁₆ 1 ¹ / ₄ 1 ³ / ₁₆	UEL306D1W3 UEL306-101D1W3 UEL306-102D1W3 UEL306-103D1W3	50	180	140	50	17	20	18	95	54	50	17.5	M14
		1 ³¹ / ₃₂	7 ³ / ₃₂	5 ¹ / ₂	1 ³¹ / ₃₂	2 ¹ / ₃₂	2 ⁵ / ₃₂	2 ²³ / ₃₂	3 ³ / ₄	2 ¹ / ₈	1.969	0.689	1 ¹ / ₂
35 1 ¹ / ₄ 1 ⁵ / ₁₆ 1 ³ / ₈ 1 ⁷ / ₁₆	UEL307D1W3 UEL307-104D1W3 UEL307-105D1W3 UEL307-106D1W3 UEL307-107D1W3	56	210	160	56	17	25	20	106	60	51.6	18.3	M14
		2 ¹³ / ₆₄	8 ⁹ / ₃₂	6 ⁵ / ₁₆	2 ⁷ / ₃₂	2 ¹ / ₃₂	3 ¹ / ₃₂	2 ⁵ / ₃₂	4 ³ / ₁₆	2 ³ / ₈	2.031	0.720	1 ¹ / ₂
40 1 ¹ / ₂ 1 ¹ / ₁₆	UEL308D1W3 UEL308-108D1W3 UEL308-109D1W3	60	220	170	60	17	27	22	116	60	57.1	19.8	M14
		2 ²³ / ₆₄	8 ²¹ / ₃₂	6 ¹¹ / ₁₆	2 ³ / ₈	2 ¹ / ₃₂	1 ¹ / ₁₆	7 ⁷ / ₈	4 ⁹ / ₁₆	2 ³ / ₈	2.248	0.780	1 ¹ / ₂
45 1 ⁵ / ₈ 1 ¹¹ / ₁₆ 1 ³ / ₄	UEL309D1W3 UEL309-110D1W3 UEL309-111D1W3 UEL309-112D1W3	67	245	190	67	20	30	24	129	65	58.7	19.8	M16
		2 ⁴¹ / ₆₄	9 ²¹ / ₃₂	7 ¹⁵ / ₃₂	2 ⁵ / ₈	2 ⁵ / ₃₂	1 ³ / ₁₆	1 ¹⁵ / ₁₆	5 ³ / ₃₂	2 ⁹ / ₁₆	2.311	0.780	5 ⁵ / ₈
50 1 ¹³ / ₁₆ 1 ⁷ / ₈ 1 ¹⁵ / ₁₆	UEL310D1W3 UEL310-113D1W3 UEL310-114D1W3 UEL310-115D1W3	75	275	212	75	20	35	27	143	75	66.6	24.6	M16
		2 ⁶¹ / ₆₄	10 ¹³ / ₁₆	8 ¹¹ / ₃₂	2 ¹⁵ / ₁₆	2 ⁵ / ₃₂	1 ³ / ₈	1 ¹ / ₁₆	5 ⁵ / ₈	2 ¹⁵ / ₁₆	2.622	0.969	5 ⁵ / ₈

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

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

Pillow block unit, cast housing
Eccentric locking collar type



Shaft dia. mm inch	Unit number (1)	Nominal dimensions											Bolt size mm inch
		mm inch											
		H	L	J	A	N	N ₁	H ₁	H ₂	L ₁	B ₁	S	
55 2 2 1/16 2 1/4 2 3/16	UEL311D1W3 UEL311-200D1W3 UEL311-201D1W3 UEL311-202D1W3 UEL311-203D1W3	80	310	236	80	20	38	30	154	85	73	27.8	M16
60 2 1/4 2 5/16 2 3/8 2 7/16	UEL312D1W3 UEL312-204D1W3 UEL312-205D1W3 UEL312-206D1W3 UEL312-207D1W3	85	330	250	85	25	38	32	165	95	79.4	30.95	M20
65 2 1/2 2 9/16	UEL313D1W3 UEL313-208D1W3 UEL313-209D1W3	90	340	260	90	25	38	33	176	105	85.7	32.55	M20
70 2 5/8 2 11/16 2 3/4	UEL314D1W3 UEL314-210D1W3 UEL314-211D1W3 UEL314-212D1W3	95	360	280	90	27	40	35	187	105	92.1	34.15	M22
75 2 13/16 2 7/8 2 15/16 3	UEL315D1W3 UEL315-213D1W3 UEL315-214D1W3 UEL315-215D1W3 UEL315-300D1W3	100	380	290	100	27	40	35	198	110	100	37.3	M22
80 3 1/16 3 1/8 3 3/16	UEL316D1W3 UEL316-301D1W3 UEL316-302D1W3 UEL316-303D1W3	106	400	300	110	27	40	40	210	110	106.4	40.5	M22

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

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

Pillow block unit, cast housing
Eccentric locking collar type



Shaft dia. mm inch	Unit number (1)	Nominal dimensions											Bolt size
		mm inch											
		H	L	J	A	N	N ₁	H ₁	H ₂	L ₁	B ₁	S	mm inch
85 3 1/4 3 5/16 3 7/16	UEL317D1W3 UEL317-304D1W3 UEL317-305D1W3 UEL317-307D1W3	112 4 13/32	420 16 17/32	320 12 19/32	110 4 11/32	33 1 5/16	45 1 25/32	40 1 9/16	220 8 21/32	120 4 23/32	109.5 4.311	42.05 1.656	M27 1
90 3 7/16 3 1/2	UEL318D1W3 UEL318-307D1W3 UEL318-308D1W3	118 4 41/64	430 16 15/16	330 13	110 4 11/32	33 1 5/16	45 1 25/32	45 1 25/32	235 9 1/4	120 4 23/32	115.9 4.563	43.65 1.719	M27 1
95 3 5/8 3 11/16 3 3/4	UEL319D1W3 UEL319-310D1W3 UEL319-311D1W3 UEL319-312D1W3	125 4 59/64	470 18 1/2	360 14 3/16	120 4 23/32	36 1 13/32	50 1 31/32	45 1 25/32	250 9 27/32	125 4 29/32	122.3 4.815	38.9 1.531	M30 1 1/8
100 3 13/16 3 7/8 3 15/16 4	UEL320D1W3 UEL320-313D1W3 UEL320-314D1W3 UEL320-315D1W3 UEL320-400D1W3	140 5 33/64	490 19 9/32	380 14 31/32	120 4 23/32	36 1 13/32	50 1 31/32	50 1 31/32	275 10 13/16	130 5 1/8	128.6 5.063	50 1.969	M30 1 1/8
105	UEL321D1W3	140	490	380	120	36	50	50	280	130	139.7	48.4	M30
110	UEL322D1W3	150	520	400	140	40	55	55	300	135	141.3	49.2	M33

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

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

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



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

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

⁽²⁾ UELPL204 and UELPL205 has solid bases.

⁽³⁾ UELPL208 has the same dimension as UELP208 shown in page **B148**.

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

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

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

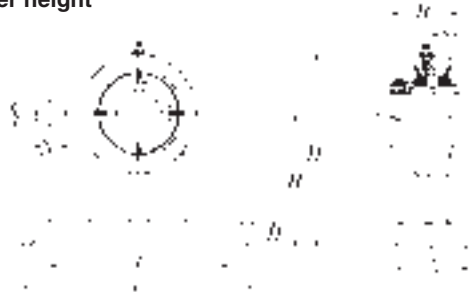


Shaft dia.	Unit number (1)	Nominal dimensions												Bolt size
		mm inch												
		<i>H</i>	<i>L</i>	<i>J</i>	<i>A</i>	<i>N</i>	<i>N</i> ₁	<i>H</i> ₁	<i>H</i> ₂	<i>L</i> ₁	<i>B</i> ₁	<i>S</i>	mm inch	
55	UELPL211D1W3	61.91	219	171	60	20	23	23	124	65	71.4	27.75	M16	
2	UELPL211-200D1W3								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

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

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

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

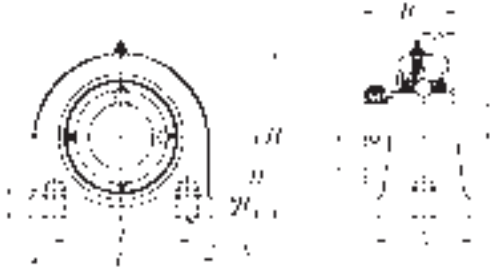


Shaft dia. mm inch	Unit number ⁽¹⁾	Nominal dimensions										Bolt size mm inch
		mm inch										
		<i>H</i>	<i>L</i>	<i>J</i>	<i>A</i>	<i>N</i>	<i>N</i> ₁	<i>H</i> ₁	<i>H</i> ₂	<i>B</i> ₁	<i>S</i>	
20 3/4	UELHP204D1W3 UELHP204-012D1W3	70 2 3/4	127 5	95 3 3/4	40 1 9/16	13 1/2	19 3/4	13 1/2	101 3 31/32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

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

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

Narrow pillow block unit, cast housing
Eccentric locking collar type

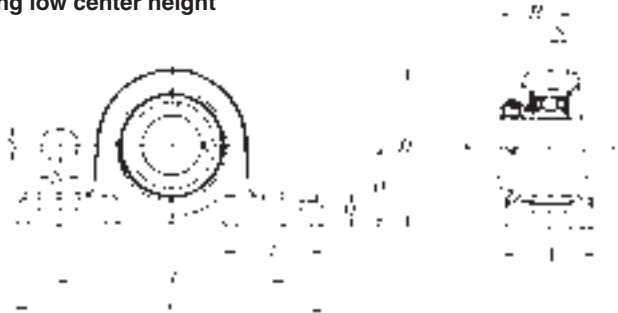


Shaft dia. mm inch	Unit number ⁽¹⁾	Nominal dimensions									
		mm inch									
		<i>H</i>	<i>L</i>	<i>J</i>	<i>A</i>	<i>j</i>	<i>H</i> ₁	<i>H</i> ₂	<i>B</i> ₁	<i>S</i>	<i>N</i>
20 3/4	UELUP204D1W3	30.2	76	52	38	13	11	62	43.7	17.1	M10×1.5
	UELUP204-012D1W3	1 3/16	3	2 1/16	1 1/2	1/2	7/16	2 7/16	1.720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

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

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

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



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

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

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

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

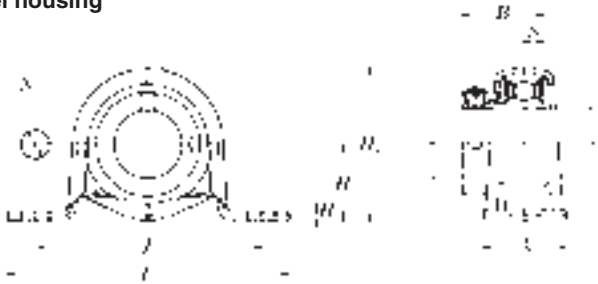


Shaft dia. mm inch	Unit number ⁽¹⁾ (²)	Nominal dimensions												Bolt size mm inch
		mm inch												
		<i>H</i>	<i>L</i>	<i>J</i>	<i>A</i>	<i>N</i>	<i>N</i> ₁	<i>H</i> ₁	<i>H</i> ₂	<i>L</i> ₁	<i>B</i> ₁	<i>S</i>		
12 1/2	JELPL201W3 JELPL201-008W3	26.99 1 1/16	121 4 3/4	89 3 1/2	35 1 3/8	11 7/16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

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

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

Pillow block unit, pressed steel housing
Eccentric locking collar type

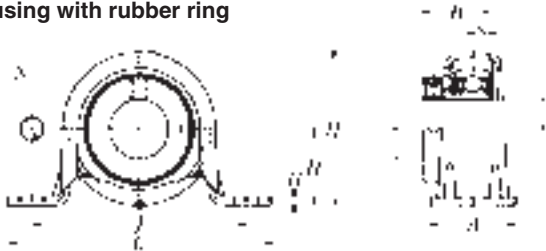


Shaft dia. mm inch	Unit number	Nominal dimensions									Bolt size mm inch
		mm inch									
		<i>H</i>	<i>L</i>	<i>J</i>	<i>A</i>	<i>N</i>	<i>H</i> ₁	<i>H</i> ₂	<i>B</i> ₁	<i>S</i>	
12 1/2	AELPP201W3 AELPP201-008W3	22.2 7/8	86 3 3/8	68 2 11/16	25 31/32	9.5 3/8	3.2 0.126	43.8 1 23/32	28.6 1.126	6.5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

Note (1) The permissible load only applies in applications where the load is stable and the speed is 2400 min⁻¹ or less.
The mounting surface should be flat.

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

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

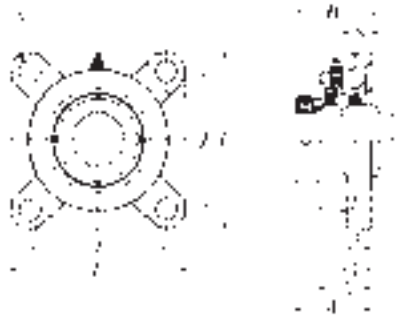


Shaft dia. mm inch	Unit number	Nominal dimensions									Bolt size mm inch
		mm inch									
		<i>H</i>	<i>L</i>	<i>J</i>	<i>A</i>	<i>N</i>	<i>H</i> ₁	<i>H</i> ₂	<i>B</i> ₁	<i>S</i>	
12 1/2	AELRPP201W3 AELRPP201-008W3	25.4 1	98 3 ²⁷ / ₃₂	76 3	32 1 1/4	9.5 3/8	3.2 0.126	50.5 2	28.6 1.126	6.5 0.256	M8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

Note (1) The permissible load only applies in applications where the load is stable and the speed is 2400 min⁻¹ or less.
The mounting surface should be flat.
Remarks When an anti-vibration rubber ring is used, the self alignment capability will be reduce.

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

Square flanged unit, cast housing
Eccentric locking collar type



Shaft dia. mm inch	Unit number ⁽¹⁾	Nominal dimensions											Bolt size mm inch
		<i>L</i>	<i>J</i>	<i>A</i> ₂	<i>A</i> ₁	<i>A</i>	<i>N</i>	<i>A</i> ₀	<i>B</i> ₁	<i>S</i>	<i>F</i> _{min.}		
20 3/4	UELF204D1W3 UELF204-012D1W3	86 3 3/8	64 2 33/64	15 19/32	11 7/16	25.5 1	12 15/32	41.6 1 41/64	43.7 1.720	17.1 0.673	34 1.339	M10 3/8	
25 1 13/16 7/8 1 15/16 1	UELF205D1W3 UELF205-013D1W3 UELF205-014D1W3 UELF205-015D1W3 UELF205-100D1W3	95 3 3/4	70 2 3/4	16 5/8	13 1/2	27 1 1/16	12 15/32	42.95 1 11/16	44.4 1.748	17.45 0.687	38 1.496	M10 3/8	
30 1 1/16 1 1/8 1 3/16 1 1/4	UELF206D1W3 UELF206-101D1W3 UELF206-102D1W3 UELF206-103D1W3 UELF206-104D1W3	108 4 1/4	83 3 17/64	18 45/64	13 1/2	31 1 7/32	12 15/32	48.15 1 57/64	48.4 1.906	18.25 0.719	45 1.772	M10 3/8	
35 1 1/4 1 5/16 1 3/8 1 7/16	UELF207D1W3 UELF207-104D1W3 UELF207-105D1W3 UELF207-106D1W3 UELF207-107D1W3	117 4 19/32	92 3 5/8	19 3/4	15 19/32	34 1 11/32	14 35/64	51.3 2 1/64	51.1 2.012	18.8 0.740	51 2.008	M12 7/16	
40 1 1/2 1 9/16	UELF208D1W3 UELF208-108D1W3 UELF208-109D1W3	130 5 1/8	102 4 1/64	21 53/64	15 19/32	36 1 13/32	16 5/8	55.9 2 13/64	56.3 2.217	21.4 0.843	57 2.244	M14 1/2	
45 1 5/8 1 11/16 1 3/4	UELF209D1W3 UELF209-110D1W3 UELF209-111D1W3 UELF209-112D1W3	137 5 13/32	105 4 9/64	22 55/64	16 5/8	38 1 1/2	16 5/8	56.9 2 15/64	56.3 2.217	21.4 0.843	62 2.441	M14 1/2	
50 1 13/16 1 7/8 1 15/16 2	UELF210D1W3 UELF210-113D1W3 UELF210-114D1W3 UELF210-115D1W3 UELF210-200D1W3	143 5 5/8	111 4 3/8	22 55/64	16 5/8	40 1 9/16	16 5/8	60.1 2 23/64	62.7 2.469	24.6 0.969	67 2.638	M14 1/2	

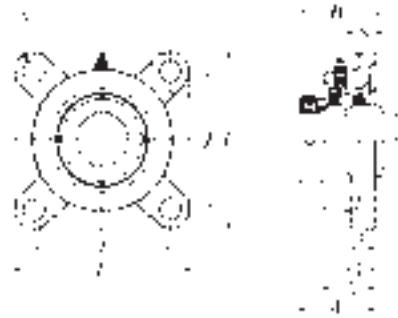
Note ⁽¹⁾ These numbers indicate relubricatable type. If maintenance free type is needed, please order without suffix "D1".

Remarks Please refer to page A21 for size of grease fitting



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

Square flanged unit, cast housing
Eccentric locking collar type



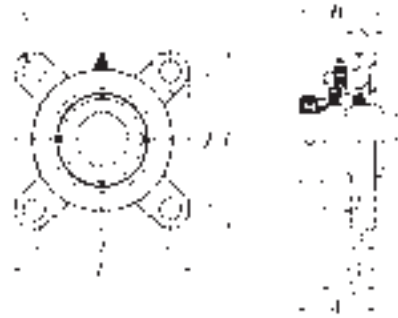
Shaft dia. mm inch	Unit number ⁽¹⁾	Nominal dimensions										Bolt size mm inch
		mm inch										
		L	J	A ₂	A ₁	A	N	A ₀	B ₁	S	F _{min.}	
55	UELF211D1W3	162	130	25	18	43	19	68.65	71.4	27.75	73	M16
2	UELF211-200D1W3											
2 1/16	UELF211-201D1W3											
2 1/8	UELF211-202D1W3	6 3/8	5 1/8	63/64	23/32	1 11/16	3/4	2 45/64	2.811	1.093	2.874	5/8
2 3/16	UELF211-203D1W3											
60	UELF212D1W3	175	143	29	18	48	19	75.85	77.8	30.95	81	M16
2 1/4	UELF212-204D1W3											
2 5/16	UELF212-205D1W3	6 7/8	5 5/8	1 9/64	23/32	1 7/8	3/4	2 63/64	3.063	1.219	3.189	5/8
2 3/8	UELF212-206D1W3											
2 7/16	UELF212-207D1W3											
65	UELF213D1W3	187	149	30	22	50	19	81.55	85.7	34.15	87	M16
2 1/2	UELF213-208D1W3											
2 9/16	UELF213-209D1W3	7 3/8	5 55/64	1 3/16	7/8	1 31/32	3/4	3 13/64	3.374	1.344	3.425	5/8
70	UELF214D1W3	193	152	31	22	54	19	82.55	85.7	34.15	91	M16
2 5/8	UELF214-210D1W3											
2 11/16	UELF214-211D1W3	7 19/32	5 63/64	1 7/32	7/8	2 1/8	3/4	3 1/4	3.374	1.344	3.583	5/8
2 3/4	UELF214-212D1W3											
75	UELF215D1W3	200	159	34	22	56	19	88.7	92	37.3	97	M16
2 13/16	UELF215-213D1W3											
2 7/8	UELF215-214D1W3	7 7/8	6 17/64	1 11/32	7/8	2 7/32	3/4	3 31/64	3.622	1.469	3.819	5/8
2 15/16	UELF215-215D1W3											
3	UELF215-300D1W3											

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



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

Square flanged unit, cast housing
Eccentric locking collar type



Shaft dia.	Unit number ⁽¹⁾ (²)	Nominal dimensions										Bolt size
		<i>L</i>	<i>J</i>	<i>A</i> ₂	<i>A</i> ₁	<i>A</i>	<i>N</i>	<i>A</i> ₀	<i>B</i> ₁	<i>S</i>	<i>F</i> _{min.}	
mm inch												mm inch
25	UELF305D1W3	110	80	16	13	29	16	46.1	46.8	16.7	41	M14
¹³ / ₁₆	UELF305-013D1W3											
⁷ / ₈	UELF305-014D1W3											
¹⁵ / ₁₆	UELF305-015D1W3	4 ¹¹ / ₃₂	3 ⁵ / ₃₂	⁵ / ₈	¹ / ₂	1 ⁵ / ₃₂	⁵ / ₈	1 ¹³ / ₁₆	1.843	0.657	1.614	¹ / ₂
1	UELF305-100D1W3											
30	UELF306D1W3	125	95	18	15	32	16	50.5	50	17.5	49	M14
1 ¹ / ₁₆	UELF306-101D1W3											
1 ¹ / ₄	UELF306-102D1W3	4 ²⁹ / ₃₂	3 ⁴⁷ / ₆₄	⁴⁵ / ₆₄	¹⁹ / ₃₂	1 ¹ / ₄	⁵ / ₈	1 ⁶³ / ₆₄	1.969	0.689	1.929	¹ / ₂
1 ³ / ₁₆	UELF306-103D1W3											
35	UELF307D1W3	135	100	20	16	36	19	53.3	51.6	18.3	—	M16
1 ¹ / ₄	UELF307-104D1W3											
1 ⁵ / ₁₆	UELF307-105D1W3											
1 ³ / ₈	UELF307-106D1W3	5 ⁵ / ₁₆	3 ¹⁵ / ₁₆	²⁵ / ₃₂	⁵ / ₈	1 ¹³ / ₃₂	³ / ₄	2 ³ / ₃₂	2.031	0.720	—	⁵ / ₈
1 ⁷ / ₁₆	UELF307-107D1W3											
40	UELF308D1W3	150	112	23	17	40	19	60.3	57.1	19.8	—	M16
1 ¹ / ₂	UELF308-108D1W3											
1 ⁹ / ₁₆	UELF308-109D1W3	5 ²⁹ / ₃₂	4 ¹³ / ₃₂	²⁹ / ₃₂	²¹ / ₃₂	1 ⁹ / ₁₆	³ / ₄	2 ³ / ₈	2.248	0.780	—	⁵ / ₈
45	UELF309D1W3	160	125	25	18	44	19	63.9	58.7	19.8	—	M16
1 ⁵ / ₈	UELF309-110D1W3											
1 ¹¹ / ₁₆	UELF309-111D1W3	6 ⁵ / ₁₆	4 ⁵⁹ / ₆₄	⁶³ / ₆₄	²³ / ₃₂	1 ²³ / ₃₂	³ / ₄	2 ³³ / ₆₄	2.311	0.780	—	⁵ / ₈
1 ³ / ₄	UELF309-112D1W3											
50	UELF310D1W3	175	132	28	19	48	23	70	66.6	24.6	—	M20
¹³ / ₁₆	UELF310-113D1W3											
1 ⁷ / ₈	UELF310-114D1W3	6 ⁷ / ₈	5 ¹³ / ₆₄	1 ⁷ / ₆₄	³ / ₄	1 ⁷ / ₈	²⁹ / ₃₂	2 ³ / ₄	2.622	0.969	—	³ / ₄
1 ¹⁵ / ₁₆	UELF310-115D1W3											

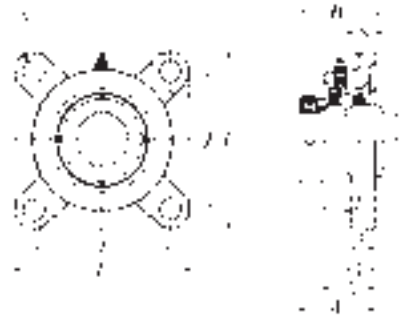
Notes ⁽¹⁾ These numbers indicate relubricatable type. If maintenance free type is needed, please order without suffix "D1".
⁽²⁾ Inner race face does not protrude from the housing face except UELF305 and UELF316.

Remarks Please refer to page A21 for size of grease fitting



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

Square flanged unit, cast housing
Eccentric locking collar type



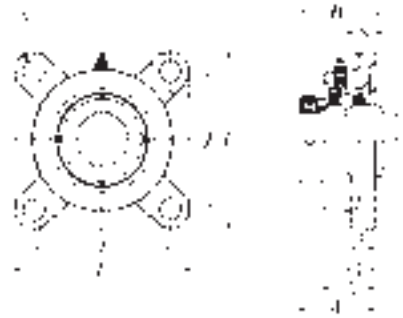
Shaft dia. mm inch	Unit number ⁽¹⁾ (²)	Nominal dimensions										Bolt size mm inch
		<i>L</i>	<i>J</i>	<i>A</i> ₂	<i>A</i> ₁	<i>A</i>	<i>N</i>	<i>A</i> ₀	<i>B</i> ₁	<i>S</i>	<i>F</i> min.	
55	UELF311D1W3	185	140	30	20	52	23	75.2	73	27.8	—	M20
2	UELF311-200D1W3											
2 ¹ / ₁₆	UELF311-201D1W3	7 ⁹ / ₃₂	5 ³³ / ₆₄	1 ³ / ₁₆	²⁵ / ₃₂	2 ¹ / ₁₆	²⁹ / ₃₂	2 ⁶¹ / ₆₄	2.874	1.094	—	³ / ₄
2 ¹ / ₈	UELF311-202D1W3											
2 ³ / ₁₆	UELF311-203D1W3											
60	UELF312D1W3	195	150	33	22	56	23	81.45	79.4	30.95	—	M20
2 ¹ / ₄	UELF312-204D1W3											
2 ⁵ / ₁₆	UELF312-205D1W3	7 ¹¹ / ₁₆	5 ²⁹ / ₃₂	1 ¹⁹ / ₆₄	⁷ / ₈	2 ⁷ / ₃₂	²⁹ / ₃₂	3 ¹³ / ₆₄	3.126	1.219	—	³ / ₄
2 ³ / ₈	UELF312-206D1W3											
2 ⁷ / ₁₆	UELF312-207D1W3											
65	UELF313D1W3	208	166	33	22	58	23	86.15	85.7	32.55	93	M20
2 ¹ / ₂	UELF313-208D1W3	8 ³ / ₁₆	6 ¹⁷ / ₃₂	1 ¹⁹ / ₆₄	⁷ / ₈	2 ⁹ / ₃₂	²⁹ / ₃₂	3 ²⁵ / ₆₄	3.374	1.281	3.661	³ / ₄
2 ⁹ / ₁₆	UELF313-209D1W3											
70	UELF314D1W3	226	178	36	25	61	25	93.95	92.1	34.15	—	M22
2 ⁵ / ₈	UELF314-210D1W3											
2 ¹¹ / ₁₆	UELF314-211D1W3	8 ²⁹ / ₃₂	6 ¹ / ₆₄	1 ²⁷ / ₆₄	³¹ / ₃₂	2 ¹³ / ₃₂	⁶³ / ₆₄	3 ⁴⁵ / ₆₄	3.626	1.344	—	⁷ / ₈
2 ³ / ₄	UELF314-212D1W3											
75	UELF315D1W3	236	184	39	25	66	25	101.7	100	37.3	106	M22
2 ¹³ / ₁₆	UELF315-213D1W3											
2 ⁷ / ₈	UELF315-214D1W3	9 ⁹ / ₃₂	7 ¹ / ₄	1 ¹⁷ / ₃₂	³¹ / ₃₂	2 ¹⁹ / ₃₂	⁶³ / ₆₄	4	3.937	1.469	4.173	⁷ / ₈
2 ¹⁵ / ₁₆	UELF315-215D1W3											
3	UELF315-300D1W3											
80	UELF316D1W3	250	196	38	27	68	31	103.9	106.4	40.5	112	M27
3 ¹ / ₁₆	UELF316-301D1W3											
3 ¹ / ₈	UELF316-302D1W3	9 ²⁷ / ₃₂	7 ²³ / ₃₂	1 ¹ / ₂	1 ¹ / ₁₆	2 ¹¹ / ₁₆	1 ⁷ / ₃₂	4 ³ / ₃₂	4.189	1.594	4.409	1
3 ³ / ₁₆	UELF316-303D1W3											

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

Remarks Please refer to page A21 for size of grease fitting

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

Square flanged unit, cast housing
Eccentric locking collar type



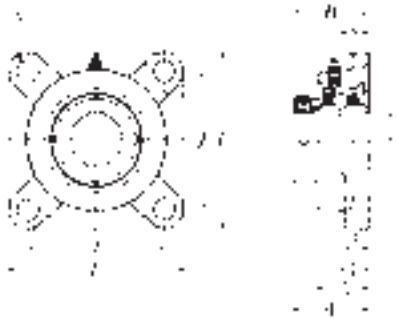
Shaft dia. mm inch	Unit number ⁽¹⁾ (²)	Nominal dimensions										Bolt size mm inch
		mm inch										
		<i>L</i>	<i>J</i>	<i>A</i> ₂	<i>A</i> ₁	<i>A</i>	<i>N</i>	<i>A</i> ₀	<i>B</i> ₁	<i>S</i>	<i>F</i> _{min.}	
85 3 ¹ / ₄ 3 ⁵ / ₁₆ 3 ⁷ / ₁₆	UELF317D1W3 UELF317-304D1W3 UELF317-305D1W3 UELF317-307D1W3	260	204	44	27	74	31	111.45	109.5	42.05	119	M27 1
90 3 ⁷ / ₁₆ 3 ¹ / ₂	UELF318D1W3 UELF318-307D1W3 UELF318-308D1W3	280	216	44	30	76	35	116.25	115.9	43.65	125	M30 1 ¹ / ₈
95 3 ⁵ / ₈ 3 ¹ / ₁₆ 3 ³ / ₄	UELF319D1W3 UELF319-310D1W3 UELF319-311D1W3 UELF319-312D1W3	290	228	59	30	94	35	142.4	122.3	38.9	—	M30 1 ¹ / ₈
100 3 ¹³ / ₁₆ 3 ⁷ / ₈ 3 ¹⁵ / ₁₆ 4	UELF320D1W3 UELF320-313D1W3 UELF320-314D1W3 UELF320-315D1W3 UELF320-400D1W3	310	242	59	32	94	38	137.6	128.6	50	—	M33 1 ¹ / ₄
105	UELF321D1W3	310	242	59	32	94	38	150.3	139.7	48.4	—	M33
110	UELF322D1W3	340	266	60	35	96	41	152.1	141.3	49.2	—	M36

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



Bearing number	Housing number	Mass of unit kg lb
UELF317D1W3	F317D1	16
UELF317-304D1W3	F317D1	35
UELF317-305D1W3	F317D1	
UELF317-307D1W3	F317D1	
UELF318D1W3	F318D1	20
UELF318-308D1W3	F318D1	44
UELF318-308D1W3	F318D1	
UELF319D1W3	F319D1	24
UELF319-310D1W3	F319D1	53
UELF319-311D1W3	F319D1	
UELF319-312D1W3	F319D1	
UELF320D1W3	F320D1	29
UELF320-313D1W3	F320D1	64
UELF320-314D1W3	F320D1	
UELF320-315D1W3	F320D1	
UELF320-400D1W3	F320D1	
UELF321D1W3	F321D1	28
UELF322D1W3	F322D1	37

Square flanged unit, cast housing
Eccentric locking collar type



Shaft dia. mm inch	Unit number ⁽¹⁾	Nominal dimensions									Bolt size mm inch
		mm inch									
		<i>L</i>	<i>J</i>	<i>A</i> ₂	<i>A</i> ₁	<i>A</i>	<i>N</i>	<i>A</i> ₀	<i>B</i> ₁	<i>S</i>	
20 3/4	UELFU204D1W3 UELFU204-012D1W3	86 3 3/8	63.5 2 1/2	19 3/4	15 19/32	29.5 1 5/32	11.5 29/64	45.6 1 51/64	43.7 1.720	17.1 0.673	M10 3/8
25 13/16 7/8 15/16 1	UELFU205D1W3 UELFU205-013D1W3 UELFU205-014D1W3 UELFU205-015D1W3 UELFU205-100D1W3	96 3 25/32	70 2 3/4	19 3/4	15 19/32	30 1 3/16	11.5 29/64	45.95 1 13/16	44.4 1.748	17.45 0.687	M10 3/8
30 1 1/16 1 1/8 1 3/16 1 1/4	UELFU206D1W3 UELFU206-101D1W3 UELFU206-102D1W3 UELFU206-103D1W3 UELFU206-104D1W3	109 4 9/32	82.5 3 1/4	20 25/32	16 5/8	33 1 5/16	11.5 29/64	50.15 1 31/32	48.4 1.906	18.25 0.719	M10 3/8
35 1 1/4 1 5/16 3/8 1 7/16	UELFU207D1W3 UELFU207-104D1W3 UELFU207-105D1W3 UELFU207-106D1W3 UELFU207-107D1W3	118 4 21/32	92 3 5/8	21 53/64	17 21/32	36 1 13/32	14 35/64	53.3 2 3/32	51.1 2.012	18.8 0.740	M12 1/2
40 1 1/2 1 9/16	UELFU208D1W3 UELFU208-108D1W3 UELFU208-109D1W3	131 5 5/32	101.5 4	24 15/16	17 21/32	39 1 17/32	14 35/64	58.9 2 5/16	56.3 2.217	21.4 0.843	M12 1/2
45 1 5/8 1 11/16 1 3/4	UELFU209D1W3 UELFU209-110D1W3 UELFU209-111D1W3 UELFU209-112D1W3	137 5 13/32	105 4 9/64	24 15/16	18 23/32	40 1 9/16	16 5/8	58.9 2 5/16	56.3 2.217	21.4 0.843	M14 1/2
50 1 13/16 1 7/8 1 15/16 2	UELFU210D1W3 UELFU210-113D1W3 UELFU210-114D1W3 UELFU210-115D1W3 UELFU210-200D1W3	144 5 21/32	111 4 3/8	28 1 7/64	20 25/32	46 1 13/16	18 45/64	66.1 2 39/64	62.7 2.469	24.6 0.969	M16 5/8

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

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

Square flanged unit, cast housing
Eccentric locking collar type

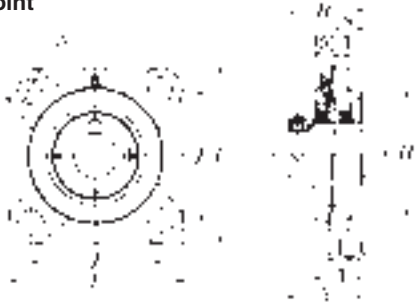


Shaft dia. mm inch	Unit number ⁽¹⁾	Nominal dimensions									Bolt size mm inch
		mm inch									
		<i>L</i>	<i>J</i>	<i>A</i> ₂	<i>A</i> ₁	<i>A</i>	<i>N</i>	<i>A</i> ₀	<i>B</i> ₁	<i>S</i>	
55 2 2 ¹ / ₁₆ 2 ¹ / ₈ 2 ³ / ₁₆	UEL211D1W3 UEL211-200D1W3 UEL211-201D1W3 UEL211-202D1W3 UEL211-203D1W3	163 6 ¹³ / ₃₂	130 5 ¹ / ₈	31 1 ⁷ / ₃₂	21 1 ¹³ / ₁₆	49 1 ¹⁵ / ₁₆	18 4 ⁵ / ₆₄	74.65 2 ¹⁵ / ₁₆	71.4 2.811	27.75 1.093	M16 5 ⁵ / ₈
60 2 ¹ / ₄ 2 ⁵ / ₁₆ 2 ³ / ₈ 2 ⁷ / ₁₆	UEL212D1W3 UEL212-204D1W3 UEL212-205D1W3 UEL212-206D1W3 UEL212-207D1W3	175 6 ⁷ / ₈	143 5 ⁵ / ₈	34 1 ¹¹ / ₃₂	21 1 ¹³ / ₁₆	53 2 ³ / ₃₂	18 4 ⁵ / ₆₄	80.85 3 ³ / ₁₆	77.8 3.063	30.95 1.219	M16 5 ⁵ / ₈
65 2 ¹ / ₂ 2 ⁹ / ₁₆	UEL213D1W3 UEL213-208D1W3 UEL213-209D1W3	187 7 ³ / ₈	149 5 ⁵⁵ / ₆₄	38 1 ¹ / ₂	22 7 ⁷ / ₈	59 2 ⁵ / ₁₆	20.5 1 ¹³ / ₁₆	89.55 3 ¹⁷ / ₃₂	85.7 3.374	34.15 1.344	M18 5 ⁵ / ₈
70 2 ⁵ / ₈ 2 ¹¹ / ₁₆ 2 ³ / ₄	UEL214D1W3 UEL214-210D1W3 UEL214-211D1W3 UEL214-212D1W3	193 7 ¹⁹ / ₃₂	152 5 ⁶³ / ₆₄	38 1 ¹ / ₂	22 7 ⁷ / ₈	62 2 ⁷ / ₁₆	20.5 1 ¹³ / ₁₆	89.55 3 ¹⁷ / ₃₂	85.7 3.374	34.15 1.344	M18 5 ⁵ / ₈
75 2 ¹³ / ₁₆ 2 ⁷ / ₈ 2 ¹⁵ / ₁₆ 3	UEL215D1W3 UEL215-213D1W3 UEL215-214D1W3 UEL215-215D1W3 UEL215-300D1W3	200 7 ⁷ / ₈	159 6 ¹⁷ / ₆₄	41 1 ³⁹ / ₆₄	22 7 ⁷ / ₈	64 2 ³³ / ₆₄	20.5 1 ¹³ / ₁₆	95.7 3 ⁴⁹ / ₆₄	92 3.622	37.3 1.469	M18 5 ⁵ / ₈

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

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

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

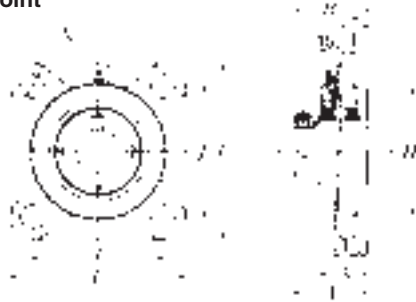


Shaft dia. mm inch	Unit number (¹)	Nominal dimensions											Bolt size mm inch
		mm inch											
		L	J	A ₂	N	A ₃	A ₁	A	H ₃	A ₀	B ₁	S	
25 13⁄16 7⁄8 15⁄16 1	UELFS305D1W3 UELFS305-013D1W3 UELFS305-014D1W3 UELFS305-015D1W3 UELFS305-100D1W3	110	80	9	16	7	13	29	80	46.1	46.8	16.7	M14 ½
30 1 1⁄16 1 1⁄4 1 3⁄16	UELFS306D1W3 UELFS306-101D1W3 UELFS306-102D1W3 UELFS306-103D1W3	125	95	10	16	8	15	32	90	50.5	50	17.5	M14 ½
35 1 1⁄4 1 5⁄16 1 3⁄8 1 7⁄16	UELFS307D1W3 UELFS307-104D1W3 UELFS307-105D1W3 UELFS307-106D1W3 UELFS307-107D1W3	135	100	11	19	9	16	36	100	53.3	51.6	18.3	M16 5⁄8
40 1 1⁄2 1 9⁄16	UELFS308D1W3 UELFS308-108D1W3 UELFS308-109D1W3	150	112	13	19	10	17	40	115	60.3	57.1	19.8	M16 5⁄8
45 1 5⁄8 1 11⁄16 1 3⁄4	UELFS309D1W3 UELFS309-110D1W3 UELFS309-111D1W3 UELFS309-112D1W3	160	125	14	19	11	18	44	125	63.9	58.7	19.8	M16 5⁄8
50 1 13⁄16 1 7⁄8 1 15⁄16	UELFS310D1W3 UELFS310-113D1W3 UELFS310-114D1W3 UELFS310-115D1W3	175	132	16	23	12	19	48	140	70	66.6	24.6	M20 ¾

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

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

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

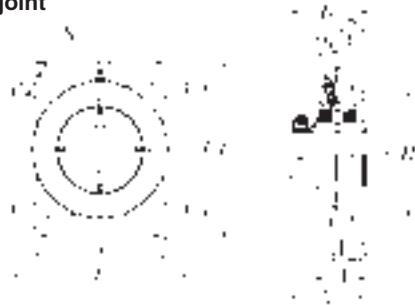


Shaft dia. mm inch	Unit number (1)	Nominal dimensions											Bolt size mm inch
		mm inch											
		L	J	A ₂	N	A ₃	A ₁	A	H ₃	A ₀	B ₁	S	
55	UELFS311D1W3	185	140	17	23	13	20	52	150	75.2	73	27.8	M20
2	UELFS311-200D1W3												
2 1/16	UELFS311-201D1W3	7 9/32	5 33/64	43/64	29/32	33/64	25/32	2 3/64	5.9055	2 51/64	2.874	1.094	3/4
2 1/8	UELFS311-202D1W3												
2 3/16	UELFS311-203D1W3												
60	UELFS312D1W3	195	150	19	23	14	22	56	160	81.45	79.4	30.95	M20
2 1/4	UELFS312-204D1W3												
2 5/16	UELFS312-205D1W3	7 11/16	5 29/32	3/4	29/32	35/64	7/8	2 13/16	6.2992	3 13/64	3.126	1.219	3/4
2 3/8	UELFS312-206D1W3												
2 7/16	UELFS312-207D1W3												
65	UELFS313D1W3	208	166	15	23	18	22	58	175	86.15	85.7	32.55	M20
2 1/2	UELFS313-208D1W3	8 1/8	6 17/32	19/32	29/32	45/64	7/8	2 9/32	6.8898	3 25/64	3.374	1.281	3/4
2 9/16	UELFS313-209D1W3												
70	UELFS314D1W3	226	178	18	25	18	25	61	185	93.95	92.1	34.15	M22
2 5/8	UELFS314-210D1W3												
2 11/16	UELFS314-211D1W3	8 29/32	7 1/64	45/64	63/64	45/64	31/32	2 13/32	7.2835	3 45/64	3.626	1.344	7/8
2 3/4	UELFS314-212D1W3												
75	UELFS315D1W3	236	184	21	25	18	25	66	200	101.7	100	37.3	M22
2 13/16	UELFS315-213D1W3												
2 7/8	UELFS315-214D1W3	9 9/32	7 1/4	53/64	63/64	45/64	31/32	2 19/32	7.8740	4	3.937	1.469	7/8
2 15/16	UELFS315-215D1W3												
3	UELFS315-300D1W3												
80	UELFS316D1W3	250	196	18	31	20	27	68	210	103.9	106.4	40.5	M27
3 1/16	UELFS316-301D1W3												
3 1/8	UELFS316-302D1W3	9 27/32	7 23/32	45/64	1 7/32	25/32	1 1/16	2 43/64	8.2677	4 3/32	4.189	1.594	1
3 3/16	UELFS316-303D1W3												

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

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

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



Shaft dia. mm inch	Unit number (1)	Nominal dimensions											Bolt size mm inch
		mm inch											
		<i>L</i>	<i>J</i>	<i>A</i> ₂	<i>N</i>	<i>A</i> ₃	<i>A</i> ₁	<i>A</i>	<i>H</i> ₃	<i>A</i> ₀	<i>B</i> ₁	<i>S</i>	
85 3 1/4 3 5/16 3 7/16	UELFS317D1W3 UELFS317-304D1W3 UELFS317-305D1W3 UELFS317-307D1W3	260 10 1/4	204 8 1/32	24 15/16	31 1 7/32	20 25/32	27 1 1/16	74 2 29/32	220 8.6614	111.45 4 25/64	109.5 4.311	42.05 1.656	M27 1
90 3 7/16 3 1/2	UELFS318D1W3 UELFS318-307D1W3 UELFS318-308D1W3	280 11 1/32	216 8 1/2	24 15/16	35 1 3/8	20 25/32	30 1 3/16	76 2 63/64	240 9.4488	116.25 4 37/64	115.9 4.563	43.65 1.719	M30 1 1/8
95 3 5/8 3 11/16 3 3/4	UELFS319D1W3 UELFS319-310D1W3 UELFS319-311D1W3 UELFS319-312D1W3	290 11 13/32	228 8 31/32	39 1 17/32	35 1 3/8	20 25/32	30 1 3/16	94 3 15/64	250 9.8425	142.4 5 39/64	122.3 4.815	38.9 1.531	M30 1 1/8
100 3 13/16 3 7/8 3 15/16 4	UELFS320D1W3 UELFS320-313D1W3 UELFS320-314D1W3 UELFS320-315D1W3 UELFS320-400D1W3	310 12 7/32	242 9 17/32	39 1 17/32	38 1 1/2	20 25/32	32 1 1/4	94 3 15/64	260 10.2362	137.6 5 27/64	128.6 5.063	50 1.969	M33 1 1/4
105	UELFS321D1W3	310	242	39	38	20	32	94	260	150.3	139.7	48.4	M33
110	UELFS322D1W3	340	266	35	41	25	35	96	300	152.1	141.3	49.2	M36

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

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

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



Shaft dia. mm inch	Unit number (1)	Nominal dimensions													Bolt size mm inch
		mm inch													
		<i>L</i>	<i>J</i>	<i>(J₁)</i>	<i>A₂</i>	<i>N</i>	<i>A₃</i>	<i>A₁</i>	<i>A</i>	<i>H₃</i>	<i>A₀</i>	<i>B₁</i>	<i>S</i>		
20 3/4	UELFC204D1W3 UELFC204-012D1W3	100 3 15/16	78 3 5/64	55.2 2 11/64	10 25/64	12 15/32	5 13/64	20.5 13/16	25.5 1	62 2.4409	41.6 1 41/64	43.7 1.720	17.1 0.673	M10 3/8	
25 13/16 7/8 15/16 1	UELFC205D1W3 UELFC205-013D1W3 UELFC205-014D1W3 UELFC205-015D1W3 UELFC205-100D1W3	115 4 17/32	90 3 35/64	63.6 2 1/2	10 25/64	12 15/32	6 15/64	21 13/16	27 1 1/16	70 2.7559	42.95 1 11/16	44.4 1.748	17.45 0.687	M10 3/8	
30 1 1/16 1 1/8 1 3/16 1 1/4	UELFC206D1W3 UELFC206-101D1W3 UELFC206-102D1W3 UELFC206-103D1W3 UELFC206-104D1W3	125 4 29/32	100 3 15/16	70.7 2 25/32	10 25/64	12 15/32	8 5/16	23 29/32	31 1 7/32	80 3.1496	48.15 1 57/64	48.4 1.906	18.25 0.719	M10 3/8	
35 1 1/4 1 5/16 1 3/8 1 7/16	UELFC207D1W3 UELFC207-104D1W3 UELFC207-105D1W3 UELFC207-106D1W3 UELFC207-107D1W3	135 5 5/16	110 4 21/64	77.8 3 1/16	11 7/16	14 35/64	8 5/16	26 1 1/32	34 1 11/32	90 3.5433	51.3 2 1/64	51.1 2.012	18.8 0.740	M12 7/16	
40 1 1/2 1 9/16	UELFC208D1W3 UELFC208-108D1W3 UELFC208-109D1W3	145 5 23/32	120 4 23/32	84.9 3 11/32	11 7/16	14 35/64	10 25/64	26 1 1/32	36 1 27/64	100 3.9370	55.9 2 13/64	56.3 2.217	21.4 0.843	M12 7/16	
45 1 5/8 1 11/16 1 3/4	UELFC209D1W3 UELFC209-110D1W3 UELFC209-111D1W3 UELFC209-112D1W3	160 6 5/16	132 5 13/64	93.3 3 43/64	10 25/64	16 5/8	12 15/32	26 1 1/32	38 1 1/2	105 4.1339	56.9 2 15/64	56.3 2.217	21.4 0.843	M14 1/2	
50 1 13/16 1 7/8 1 15/16 2	UELFC210D1W3 UELFC210-113D1W3 UELFC210-114D1W3 UELFC210-115D1W3 UELFC210-200D1W3	165 6 1/2	138 5 7/16	97.6 3 27/32	10 25/64	16 5/8	12 15/32	28 1 3/32	40 1 37/64	110 4.3307	60.1 2 23/64	62.7 2.469	24.6 0.969	M14 1/2	

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

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

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

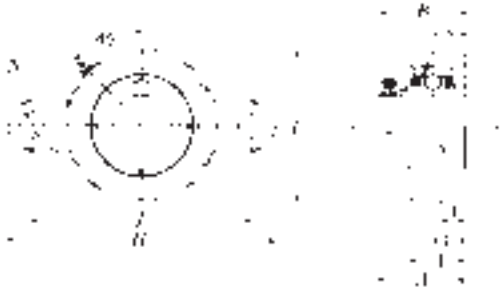


Shaft dia. mm inch	Unit number (1)	Nominal dimensions												Bolt size mm inch
		mm inch												
		L	J	(J ₁)	A ₂	N	A ₃	A ₁	A	H ₃	A ₀	B ₁	S	
55 2 2 1/16 2 1/8 2 3/16	UELFC211D1W3 UELFC211-200D1W3 UELFC211-201D1W3 UELFC211-202D1W3 UELFC211-203D1W3	185 7 9/32	150 5 29/32	106.1 4 11/64	13 33/64	19 3/4	12 15/32	31 1 7/32	43 1 11/16	125 4.9213	68.65 2 45/64	71.4 2.811	27.75 1.093	M16 5/8
60 2 1/4 2 5/16 2 3/8 2 7/16	UELFC212D1W3 UELFC212-204D1W3 UELFC212-205D1W3 UELFC212-206D1W3 UELFC212-207D1W3	195 7 11/16	160 6 19/64	113.1 4 29/64	17 43/64	19 3/4	12 15/32	36 1 13/32	48 1 57/64	135 5.3150	75.85 2 63/64	77.8 3.063	30.95 1.219	M16 5/8
65 2 1/2 2 9/16	UELFC213D1W3 UELFC213-208D1W3 UELFC213-209D1W3	205 8 1/16	170 6 11/16	120.2 4 47/64	16 5/8	19 3/4	14 35/64	36 1 13/32	50 1 31/32	145 5.7087	81.55 3 13/64	85.7 3.374	34.15 1.344	M16 5/8
70 2 5/8 2 11/16 2 3/4	UELFC214D1W3 UELFC214-210D1W3 UELFC214-211D1W3 UELFC214-212D1W3	215 8 15/32	177 6 31/32	125.2 4 59/64	17 43/64	19 3/4	14 35/64	40 1 37/64	54 2 1/8	150 5.9055	82.55 3 1/4	85.7 3.374	34.15 1.344	M16 5/8
75 2 13/16 2 7/8 2 15/16 3	UELFC215D1W3 UELFC215-213D1W3 UELFC215-214D1W3 UELFC215-215D1W3 UELFC215-300D1W3	220 8 21/32	184 7 1/4	130.1 5 1/8	18 45/64	19 3/4	16 5/8	40 1 37/64	56 2 13/64	160 6.2992	88.7 3 31/64	92 3.622	37.3 1.469	M16 5/8

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

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

Rhombus flanged unit, cast housing
Eccentric locking collar type

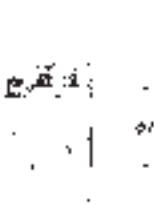


Shaft dia. mm inch	Unit number ⁽¹⁾	Nominal dimensions												Bolt size mm inch
		mm inch												
		<i>H</i>	<i>J</i>	<i>A</i> ₂	<i>A</i> ₁	<i>A</i>	<i>N</i>	<i>L</i>	<i>A</i> ₀	<i>B</i> ₁	<i>S</i>	<i>F</i> min.		
20 3/4	UELFL204D1W3 UELFL204-012D1W3	113 4 7/16	90 3 35/64	15 1 19/32	11 7/16	25.5 1	12 1 15/32	60 2 3/8	41.6 1 11/64	43.7 1.720	17.1 0.673	34 1.339	M10 3/8	
25 1 13/16 7/8 1 15/16 1	UELFL205D1W3 UELFL205-013D1W3 UELFL205-014D1W3 UELFL205-015D1W3 UELFL205-100D1W3	130 5 1/8	99 3 57/64	16 5/8	13 1/2	27 1 1/16	16 5/8	68 2 11/16	42.95 1 11/16	44.4 1.748	17.45 0.687	38 1.496	M14 1/2	
30 1 1/16 1 1/8 1 3/16 1 1/4	UELFL206D1W3 UELFL206-101D1W3 UELFL206-102D1W3 UELFL206-103D1W3 UELFL206-104D1W3	148 5 13/16	117 4 39/64	18 4 45/64	13 1/2	31 1 7/32	16 5/8	80 3 5/32	48.15 1 57/64	48.4 1.906	18.25 0.719	45 1.772	M14 1/2	
35 1 1/4 1 5/16 1 3/8 1 7/16	UELFL207D1W3 UELFL207-104D1W3 UELFL207-105D1W3 UELFL207-106D1W3 UELFL207-107D1W3	161 6 11/32	130 5 1/8	19 3/4	15 1 19/32	34 1 11/32	16 5/8	90 3 17/32	51.3 2 1/64	51.1 2.012	18.8 0.740	51 2.008	M14 1/2	
40 1 1/2 1 9/16	UELFL208D1W3 UELFL208-108D1W3 UELFL208-109D1W3	175 6 7/8	144 5 43/64	21 5 53/64	15 1 19/32	36 1 13/32	16 5/8	100 3 15/16	55.9 2 13/64	56.3 2.217	21.4 0.843	57 2.244	M14 1/2	
45 1 5/8 1 11/16 1 3/4	UELFL209D1W3 UELFL209-110D1W3 UELFL209-111D1W3 UELFL209-112D1W3	188 7 13/32	148 5 53/64	22 5 55/64	16 5/8	38 1 1/2	19 3/4	108 4 1/4	56.9 2 15/64	56.3 2.217	21.4 0.843	62 2.441	M16 5/8	
50 1 13/16 1 7/8 1 15/16 2	UELFL210D1W3 UELFL210-113D1W3 UELFL210-114D1W3 UELFL210-115D1W3 UELFL210-200D1W3	197 7 3/4	157 6 3/16	22 5 55/64	16 5/8	40 1 9/16	19 3/4	115 4 17/32	60.1 2 23/64	62.7 2.469	24.6 0.969	67 2.638	M16 5/8	

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

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

Rhombus flanged unit, cast housing
Eccentric locking collar type

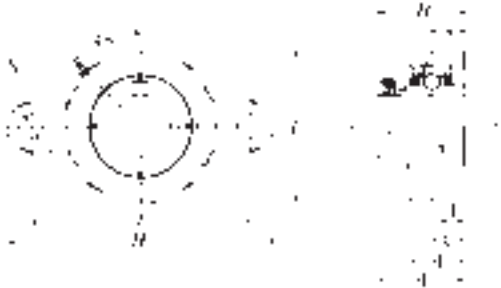


Shaft dia. mm inch	Unit number ⁽¹⁾	Nominal dimensions											Bolt size mm inch
		<i>H</i>	<i>J</i>	<i>A</i> ₂	<i>A</i> ₁	<i>A</i>	<i>N</i>	<i>L</i>	<i>A</i> ₀	<i>B</i> ₁	<i>S</i>	<i>F</i> min.	
55	UELFL211D1W3	224	184	25	18	43	19	130	68.65	71.4	27.75	73	M16
2	UELFL211-200D1W3												
2 ¹ / ₁₆	UELFL211-201D1W3	8 ¹³ / ₁₆	7 ¹ / ₄	⁶³ / ₆₄	²³ / ₃₂	1 ¹¹ / ₁₆	³ / ₄	5 ¹ / ₈	2 ¹⁵ / ₆₄	2.811	1.093	2.874	⁵ / ₈
2 ¹ / ₈	UELFL211-202D1W3												
2 ³ / ₁₆	UELFL211-203D1W3												
60	UELFL212D1W3	250	202	29	18	48	23	140	75.85	77.8	30.95	81	M20
2 ¹ / ₄	UELFL212-204D1W3												
2 ⁵ / ₁₆	UELFL212-205D1W3	9 ²⁷ / ₃₂	7 ⁶¹ / ₆₄	1 ⁹ / ₆₄	²³ / ₃₂	1 ⁷ / ₈	²⁹ / ₃₂	5 ¹ / ₂	2 ⁶³ / ₆₄	3.063	1.219	3.189	³ / ₄
2 ³ / ₈	UELFL212-206D1W3												
2 ⁷ / ₁₆	UELFL212-207D1W3												
65	UELFL213D1W3	258	210	30	22	50	23	155	81.55	85.7	34.15	87	M20
2 ¹ / ₂	UELFL213-208D1W3	10 ⁵ / ₃₂	8 ¹⁷ / ₆₄	1 ³ / ₁₆	⁷ / ₈	1 ³¹ / ₃₂	²⁹ / ₃₂	6 ³ / ₃₂	3 ¹³ / ₆₄	3.374	1.344	3.425	³ / ₄
2 ⁹ / ₁₆	UELFL213-209D1W3												
70	UELFL214D1W3	265	216	31	22	54	23	160	82.55	85.7	34.15	91	M20
2 ⁵ / ₈	UELFL214-210D1W3												
2 ¹¹ / ₁₆	UELFL214-211D1W3	10 ⁷ / ₁₆	8 ¹ / ₂	1 ⁷ / ₃₂	⁷ / ₈	2 ¹ / ₈	²⁹ / ₃₂	6 ⁵ / ₁₆	3 ¹ / ₄	3.374	1.344	3.583	³ / ₄
2 ³ / ₄	UELFL214-212D1W3												
75	UELFL215D1W3	275	225	34	22	56	23	165	88.7	92	37.3	97	M20
2 ¹³ / ₁₆	UELFL215-213D1W3												
2 ⁷ / ₈	UELFL215-214D1W3	10 ¹³ / ₁₆	8 ⁵⁵ / ₆₄	1 ¹¹ / ₃₂	⁷ / ₈	2 ⁷ / ₃₂	²⁹ / ₃₂	6 ¹ / ₂	3 ³¹ / ₆₄	3.622	1.469	3.819	³ / ₄
2 ¹⁵ / ₁₆	UELFL215-215D1W3												
3	UELFL215-300D1W3												

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

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

Rhombus flanged unit, cast housing
Eccentric locking collar type



Shaft dia. mm inch	Unit number ⁽¹⁾ (²)	Nominal dimensions											Bolt size mm inch
		<i>H</i>	<i>J</i>	<i>A</i> ₂	<i>A</i> ₁	<i>A</i>	<i>N</i>	<i>L</i>	<i>A</i> ₀	<i>B</i> ₁	<i>S</i>	<i>F</i> min.	
25 1 ¹³ / ₁₆ 7 ⁷ / ₈ 1 ¹⁵ / ₁₆ 1	UELFL305D1W3 UELFL305-013D1W3 UELFL305-014D1W3 UELFL305-015D1W3 UELFL305-100D1W3	150	113	16	13	29	19	80	46.1	46.8	16.7	41	M16
		5 ²⁹ / ₃₂	4 ²⁹ / ₆₄	5 ⁵ / ₈	1 ¹ / ₂	1 ⁵ / ₃₂	3 ³ / ₄	3 ⁵ / ₃₂	1 ¹³ / ₁₆	1.843	0.657	1.614	5 ⁵ / ₈
30 1 ¹ / ₁₆ 1 ¹ / ₄ 1 ³ / ₁₆	UELFL306D1W3 UELFL306-101D1W3 UELFL306-102D1W3 UELFL306-103D1W3	180	134	18	15	32	23	90	50.5	50	17.5	49	M20
		7 ³ / ₃₂	5 ⁹ / ₃₂	45 ⁷ / ₆₄	19 ¹ / ₃₂	1 ¹ / ₄	29 ²⁹ / ₃₂	3 ¹⁷ / ₃₂	1 ⁶³ / ₆₄	1.969	0.689	1.929	3 ³ / ₄
35 1 ¹ / ₄ 1 ⁵ / ₁₆ 1 ³ / ₈ 1 ⁷ / ₁₆	UELFL307D1W3 UELFL307-104D1W3 UELFL307-105D1W3 UELFL307-106D1W3 UELFL307-107D1W3	185	141	20	16	36	23	100	53.3	51.6	18.3	—	M20
		7 ⁹ / ₃₂	5 ³⁵ / ₆₄	25 ¹ / ₃₂	5 ⁵ / ₈	1 ¹³ / ₃₂	29 ²⁹ / ₃₂	3 ¹⁵ / ₁₆	2 ³ / ₃₂	2.031	0.720	—	3 ³ / ₄
40 1 ¹ / ₂ 1 ⁹ / ₁₆	UELFL308D1W3 UELFL308-108D1W3 UELFL308-109D1W3	200	158	23	17	40	23	112	60.3	57.1	19.8	—	M20
		7 ⁷ / ₈	6 ⁷ / ₃₂	29 ²⁹ / ₃₂	21 ¹ / ₃₂	1 ⁹ / ₁₆	29 ²⁹ / ₃₂	4 ¹³ / ₃₂	2 ³ / ₈	2.248	0.780	—	3 ³ / ₄
45 1 ⁵ / ₈ 1 ¹¹ / ₁₆ 1 ³ / ₄	UELFL309D1W3 UELFL309-110D1W3 UELFL309-111D1W3 UELFL309-112D1W3	230	177	25	18	44	25	125	63.9	58.7	19.8	—	M22
		9 ¹ / ₁₆	6 ³¹ / ₃₂	63 ⁶³ / ₆₄	23 ²³ / ₃₂	1 ²³ / ₃₂	63 ⁶³ / ₆₄	4 ²⁹ / ₃₂	2 ³³ / ₆₄	2.311	0.780	—	7 ⁷ / ₈
50 1 ¹³ / ₁₆ 1 ⁷ / ₈ 1 ¹⁵ / ₁₆	UELFL310D1W3 UELFL310-113D1W3 UELFL310-114D1W3 UELFL310-115D1W3	240	187	28	19	48	25	140	70	66.6	24.6	—	M22
		9 ⁷ / ₁₆	7 ²³ / ₆₄	1 ⁷ / ₆₄	3 ³ / ₄	1 ⁷ / ₈	63 ⁶³ / ₆₄	5 ¹ / ₂	2 ³ / ₄	2.622	0.969	—	7 ⁷ / ₈

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

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



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

Rhombus flanged unit, cast housing
Eccentric locking collar type



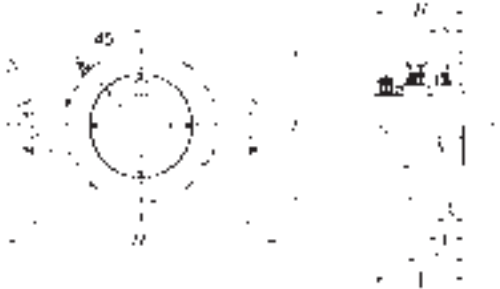
Shaft dia. mm inch	Unit number ⁽¹⁾ (²)	Nominal dimensions											Bolt size mm inch
		<i>H</i>	<i>J</i>	<i>A</i> ₂	<i>A</i> ₁	<i>A</i>	<i>N</i>	<i>L</i>	<i>A</i> ₀	<i>B</i> ₁	<i>S</i>	<i>F</i> min.	
55	UELFL311D1W3	250	198	30	20	52	25	150	75.2	73	27.8	—	M22
2	UELFL311-200D1W3												
2 ¹ / ₁₆	UELFL311-201D1W3	9 ²⁷ / ₃₂	7 ⁵¹ / ₆₄	1 ³ / ₁₆	²⁵ / ₃₂	2 ¹ / ₁₆	⁶³ / ₆₄	5 ²⁹ / ₃₂	2 ⁶¹ / ₆₄	2.874	1.094	—	⁷ / ₈
2 ¹ / ₈	UELFL311-202D1W3												
2 ³ / ₁₆	UELFL311-203D1W3												
60	UELFL312D1W3	270	212	33	22	56	31	160	81.45	79.4	30.95	—	M27
2 ¹ / ₄	UELFL312-204D1W3												
2 ⁵ / ₁₆	UELFL312-205D1W3	10 ⁵ / ₈	8 ¹¹ / ₃₂	1 ¹⁹ / ₆₄	⁷ / ₈	2 ⁷ / ₃₂	1 ⁷ / ₃₂	6 ⁵ / ₁₆	3 ¹³ / ₆₄	3.126	1.219	—	1
2 ³ / ₈	UELFL312-206D1W3												
2 ⁷ / ₁₆	UELFL312-207D1W3												
65	UELFL313D1W3	295	240	33	25	58	31	175	86.15	85.7	32.55	93	M27
2 ¹ / ₂	UELFL313-208D1W3	11 ⁵ / ₈	9 ²⁹ / ₆₄	1 ¹⁹ / ₆₄	³¹ / ₃₂	2 ⁹ / ₃₂	1 ⁷ / ₃₂	6 ⁷ / ₈	3 ²⁵ / ₆₄	3.374	1.281	3.661	1
2 ⁹ / ₁₆	UELFL313-209D1W3												
70	UELFL314D1W3	315	250	36	28	61	35	185	93.95	92.1	34.15	—	M30
2 ⁵ / ₈	UELFL314-210D1W3												
2 ¹¹ / ₁₆	UELFL314-211D1W3	12 ¹³ / ₃₂	9 ²⁷ / ₃₂	1 ²⁷ / ₆₄	1 ³ / ₃₂	2 ¹³ / ₃₂	1 ³ / ₈	7 ⁹ / ₃₂	3 ⁴⁵ / ₆₄	3.626	1.344	—	1 ¹ / ₈
2 ³ / ₄	UELFL314-212D1W3												
75	UELFL315D1W3	320	260	39	30	66	35	195	101.7	100	37.3	106	M30
2 ¹³ / ₁₆	UELFL315-213D1W3												
2 ⁷ / ₈	UELFL315-214D1W3	12 ¹⁹ / ₃₂	10 ¹⁵ / ₆₄	1 ¹⁷ / ₃₂	1 ³ / ₁₆	2 ¹⁹ / ₃₂	1 ³ / ₈	7 ¹¹ / ₁₆	4	3.937	1.469	4.173	1 ¹ / ₈
2 ¹⁵ / ₁₆	UELFL315-215D1W3												
3	UELFL315-300D1W3												
80	UELFL316D1W3	355	285	38	32	68	38	210	103.9	106.4	40.5	112	M33
3 ¹ / ₁₆	UELFL316-301D1W3												
3 ¹ / ₈	UELFL316-302D1W3	13 ³¹ / ₃₂	11 ⁷ / ₃₂	1 ¹ / ₂	1 ¹ / ₄	2 ¹¹ / ₁₆	1 ¹ / ₂	8 ⁹ / ₃₂	4 ³ / ₃₂	4.189	1.594	4.409	1 ¹ / ₄
3 ³ / ₁₆	UELFL316-303D1W3												

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

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

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

Rhombus flanged unit, cast housing
Eccentric locking collar type

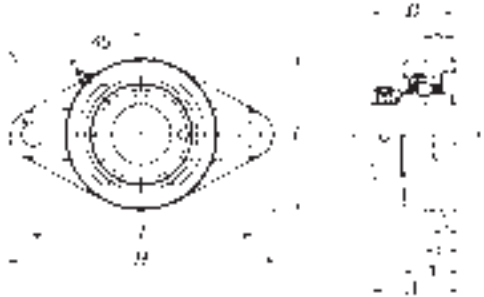


Shaft dia.	Unit number ⁽¹⁾⁽²⁾	Nominal dimensions												Bolt size
		mm inch												
		<i>H</i>	<i>J</i>	<i>A</i> ₂	<i>A</i> ₁	<i>A</i>	<i>N</i>	<i>L</i>	<i>A</i> ₀	<i>B</i> ₁	<i>S</i>	<i>F</i> min.	mm inch	
85	UELFL317D1W3	370	300	44	32	74	38	220	111.45	109.5	42.05	119	M33	
3 ¹ / ₄	UELFL317-304D1W3													
3 ⁵ / ₁₆	UELFL317-305D1W3	14 ⁹ / ₁₆	11 ¹³ / ₁₆	1 ⁴⁷ / ₆₄	1 ¹ / ₄	2 ²⁹ / ₃₂	1 ¹ / ₂	8 ²¹ / ₃₂	4 ²⁵ / ₆₄	4.311	1.656	4.685	1 ¹ / ₄	
3 ⁷ / ₁₆	UELFL317-306D1W3													
90	UELFL318D1W3	385	315	44	36	76	38	235	116.25	115.9	43.65	125	M33	
3 ⁷ / ₁₆	UELFL318-307D1W3													
3 ¹ / ₂	UELFL318-308D1W3	15 ⁵ / ₃₂	12 ¹³ / ₃₂	1 ⁴⁷ / ₆₄	1 ¹³ / ₃₂	3	1 ¹ / ₂	9 ¹ / ₄	4 ³⁷ / ₆₄	4.563	1.719	4.921	1 ¹ / ₄	
95	UELFL319D1W3	405	330	59	40	94	41	250	142.4	122.3	38.9	—	M36	
3 ⁵ / ₈	UELFL319-310D1W3													
3 ¹¹ / ₁₆	UELFL319-311D1W3	15 ¹⁵ / ₁₆	12 ⁶³ / ₆₄	2 ²¹ / ₆₄	1 ⁹ / ₁₆	3 ¹¹ / ₁₆	1 ³⁹ / ₆₄	9 ²⁷ / ₃₂	5 ³⁹ / ₆₄	4.815	1.531	—	1 ³ / ₈	
3 ³ / ₄	UELFL319-312D1W3													
100	UELFL320D1W3	440	360	59	40	94	44	270	137.6	128.6	50	—	M39	
3 ¹³ / ₁₆	UELFL320-313D1W3													
3 ⁷ / ₈	UELFL320-314D1W3	17 ⁵ / ₁₆	14 ¹¹ / ₆₄	2 ²¹ / ₆₄	1 ⁹ / ₁₆	3 ¹¹ / ₁₆	1 ⁴⁷ / ₆₄	10 ⁵ / ₈	5 ²⁷ / ₆₄	5.063	1.969	—	1 ¹ / ₂	
3 ¹⁵ / ₁₆	UELFL320-315D1W3													
4	UELFL320-400D1W3													
105	UELFL321D1W3	440	360	59	40	94	44	270	150.3	139.7	48.4	—	M39	
110	UELFL322D1W3	470	390	60	42	96	44	300	152.1	141.3	49.2	—	M39	

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

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

Rhombus flanged unit, cast housing
Eccentric locking collar type



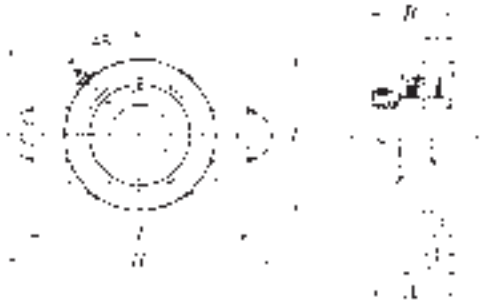
Shaft dia. mm inch	Unit number (¹)	Nominal dimensions										Bolt size mm inch
		mm inch										
		H	J	A₂	A₁	A	N	L	A₀	B₁	S	
20 ¾	UELFLU204D1W3 UELFLU204-012D1W3	113 4 7/16	90 3 35/64	19 ¾	15 19/32	29.5 1 5/32	11.5 29/64	61 2 13/32	45.6 1 51/64	43.7 1.720	17.1 0.673	M10 5/16
25 1 13/16 7/8 1 15/16 1	UELFLU205D1W3 UELFLU205-013D1W3 UELFLU205-014D1W3 UELFLU205-015D1W3 UELFLU205-100D1W3	125 4 29/32	99 3 57/64	19 ¾	15 19/32	30 1 3/16	11.5 29/64	70 2 ¾	45.95 1 13/16	44.4 1.748	17.45 0.687	M10 ¾
30 1 1/16 1 1/8 1 3/16 1 ¼	UELFLU206D1W3 UELFLU206-101D1W3 UELFLU206-102D1W3 UELFLU206-103D1W3 UELFLU206-104D1W3	142 5 19/32	116.5 4 19/32	20 25/32	16 5/8	33 1 5/16	11.5 29/64	83 3 9/32	50.15 1 31/32	48.4 1.906	18.25 0.719	M10 ¾
35 1 ¼ 1 5/16 1 3/8 1 7/16	UELFLU207D1W3 UELFLU207-104D1W3 UELFLU207-105D1W3 UELFLU207-106D1W3 UELFLU207-107D1W3	156 6 5/32	130 5 1/8	21 53/64	17 21/32	36 1 13/32	14 35/64	96 3 25/32	53.3 2 3/32	51.1 2.012	18.8 0.740	M12 ½
40 1 ½ 1 9/16	UELFLU208D1W3 UELFLU208-108D1W3 UELFLU208-109D1W3	172 6 25/32	143.5 5 21/32	24 15/16	17 21/32	39 1 17/32	14 35/64	105 4 1/8	58.9 2 5/16	56.3 2.217	21.4 0.843	M12 ½
45 1 5/8 1 11/16 1 ¾	UELFLU209D1W3 UELFLU209-110D1W3 UELFLU209-111D1W3 UELFLU209-112D1W3	180 7 3/32	148.5 5 27/32	24 15/16	18 23/32	40 1 9/16	16 5/8	111 4 3/8	58.9 2 5/16	56.3 2.217	21.4 0.843	M14 ½
50 1 13/16 1 7/8 1 15/16 2	UELFLU210D1W3 UELFLU210-113D1W3 UELFLU210-114D1W3 UELFLU210-115D1W3 UELFLU210-200D1W3	190 7 15/32	157 6 3/16	28 1 7/64	20 25/32	46 1 13/16	18 45/64	116 4 9/16	66.1 2 39/64	62.7 2.469	24.6 0.969	M16 5/8

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

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

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

Rhombus flanged unit, cast housing
Eccentric locking collar type

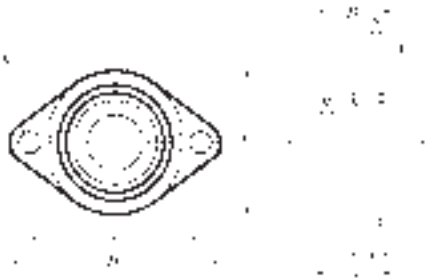


Shaft dia. mm inch	Unit number ⁽¹⁾	Nominal dimensions										Bolt size mm inch
		mm inch										
		H	J	A ₂	A ₁	A	N	L	A ₀	B ₁	S	
55 2 2 1 ¹ / ₁₆ 2 1 ¹ / ₈ 2 3 ¹ / ₁₆	UELFLU211D1W3 UELFLU211-200D1W3 UELFLU211-201D1W3 UELFLU211-202D1W3 UELFLU211-203D1W3	217	184	31	21	49	18	134	74.65	71.4	27.75	M16
		8 ¹⁷ / ₃₂	7 ¹ / ₄	1 ⁷ / ₃₂	13 ¹ / ₁₆	1 ¹⁵ / ₁₆	45 ¹ / ₆₄	5 ⁹ / ₃₂	2 ¹⁵ / ₁₆	2.811	1.093	5 ¹ / ₈
60 2 1 ¹ / ₄ 2 5 ¹ / ₁₆ 2 3 ¹ / ₈ 2 7 ¹ / ₁₆	UELFLU212D1W3 UELFLU212-204D1W3 UELFLU212-205D1W3 UELFLU212-206D1W3 UELFLU212-207D1W3	235	202	34	21	53	18	138	80.85	77.8	30.95	M16
		9 ¹ / ₄	7 ⁶¹ / ₆₄	1 ¹¹ / ₃₂	13 ¹ / ₁₆	2 ³ / ₃₂	45 ¹ / ₆₄	5 ⁷ / ₁₆	3 ³ / ₁₆	3.063	1.219	5 ¹ / ₈
65 2 1 ¹ / ₂ 2 9 ¹ / ₁₆	UELFLU213D1W3 UELFLU213-208D1W3 UELFLU213-209D1W3	248	210	38	22	59	20.5	152	89.55	85.7	34.15	M18
		9 ³ / ₄	8 ¹⁷ / ₆₄	1 ¹ / ₂	7 ¹ / ₈	2 ⁵ / ₁₆	13 ¹ / ₁₆	5 ³¹ / ₃₂	3 ¹⁷ / ₃₂	3.374	1.344	5 ¹ / ₈
70 2 5 ¹ / ₈ 2 11 ¹ / ₁₆ 2 3 ¹ / ₄	UELFLU214D1W3 UELFLU214-210D1W3 UELFLU214-211D1W3 UELFLU214-212D1W3	257	216	38	22	62	20.5	159	89.55	85.7	34.15	M18
		10 ¹ / ₈	8 ¹ / ₂	1 ¹ / ₂	7 ¹ / ₈	2 ⁷ / ₁₆	13 ¹ / ₁₆	6 ¹ / ₄	3 ¹⁷ / ₃₂	3.374	1.344	5 ¹ / ₈
75 2 13 ¹ / ₁₆ 2 7 ¹ / ₈ 2 15 ¹ / ₁₆ 3	UELFLU215D1W3 UELFLU215-213D1W3 UELFLU215-214D1W3 UELFLU215-215D1W3 UELFLU215-300D1W3	266	225	41	22	65	20.5	165	95.7	92	37.3	M18
		10 ¹⁵ / ₃₂	8 ⁵⁵ / ₆₄	1 ³⁹ / ₆₄	7 ¹ / ₈	2 ⁹ / ₁₆	13 ¹ / ₁₆	6 ¹ / ₂	3 ⁴⁹ / ₆₄	3.622	1.469	5 ¹ / ₈

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

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

Light rhombus flanged unit, cast housing
Eccentric locking collar type



Shaft dia. mm inch	Unit number ⁽¹⁾	Nominal dimensions										Bolt size mm inch
		mm inch										
		<i>H</i>	<i>J</i>	<i>A</i> ₂	<i>A</i> ₁	<i>A</i>	<i>N</i>	<i>L</i>	<i>A</i> ₀	<i>B</i> ₁	<i>S</i>	
12 1/2	AELFB201W3 AELFB201-008W3	81 3 3/16	63.5 2 1/2	9.5 3/8	9.5 3/8	18 23/32	7 9/32	56 2 7/32	31.6 1 1/4	28.6 1.126	6.5 0.256	M6 1/4
15 9/16 5/8	AELFB202W3 AELFB202-009W3 AELFB202-010W3	81 3 3/16	63.5 2 1/2	9.5 3/8	9.5 3/8	18 23/32	7 9/32	56 2 7/32	31.6 1 1/4	28.6 1.126	6.5 0.256	M6 1/4
17 1/2	AELFB203W3 AELFB203-011W3	81 3 3/16	63.5 2 1/2	9.5 3/8	9.5 3/8	18 23/32	7 9/32	56 2 7/32	31.6 1 1/4	28.6 1.126	6.5 0.256	M6 1/4
20 3/4	AELFB204W3 AELFB204-012W3	90 3 17/32	71.5 2 13/16	11 7/16	11 7/16	20 25/32	10 25/64	61 2 13/32	34.5 1 23/64	31 1.220	7.5 0.295	M8 5/16
25 13/16 7/8 15/16 1	AELFB205W3 AELFB205-013W3 AELFB205-014W3 AELFB205-015W3 AELFB205-100W3	95 3 3/4	76 2 63/64	11 7/16	11 7/16	20 25/32	10 25/64	64 2 17/32	34.5 1 23/64	31 1.220	7.5 0.295	M8 5/16
30 1 1/16 1 1/8 1 3/16 1 1/4	AELFB206W3 AELFB206-101W3 AELFB206-102W3 AELFB206-103W3 AELFB206-104W3	113 4 7/16	90.5 3 9/16	12 15/32	12 15/32	22.5 7/8	12 15/32	76 3	38.7 1 17/32	35.7 1.406	9 5415	M10 3/8
35 1 1/4 1 5/16 1 3/8 1 7/16	AELFB207W3 AELFB207-104W3 AELFB207-105W3 AELFB207-106W3 AELFB207-107W3	122 4 13/16	100 3 15/16	11 7/16	13 1/2	24 15/16	12 15/32	89 3 1/2	40.4 1 19/32	38.9 1.531	9.5 0.374	M10 3/8

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

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

Light rhombus flanged unit, cast housing
Eccentric locking collar type

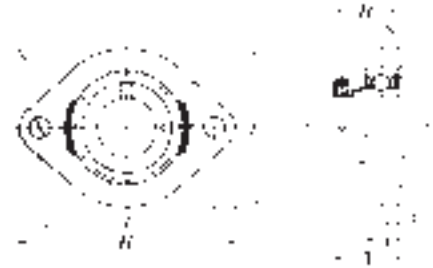


Shaft dia. mm inch	Unit number ⁽¹⁾	Nominal dimensions									Bolt size mm inch
		mm inch									
		<i>H</i>	<i>J</i>	<i>A</i> ₂	<i>A</i>	<i>N</i>	<i>L</i>	<i>A</i> ₀	<i>B</i> ₁	<i>S</i>	
12 1/2	AELFD201W3 AELFD201-008W3	81 3 3/16	63 2 31/64	8.5 21/64	15 19/32	7 9/32	59 2 5/16	30.6 1 13/64	28.6 1.126	6.5 0.256	M6 1/4
15 9/16 5/8	AELFD202W3 AELFD202-009W3 AELFD202-010W3	81 3 3/16	63 2 31/64	8.5 21/64	15 19/32	7 9/32	59 2 5/16	30.6 1 13/64	28.6 1.126	6.5 0.256	M6 1/4
17 11/16	AELFD203W3 AELFD203-011W3	81 3 3/16	63 2 31/64	8.5 21/64	15 19/32	7 9/32	59 2 5/16	30.6 1 13/64	28.6 1.126	6.5 0.256	M6 1/4
20 3/4	AELFD204W3 AELFD204-012W3	90 3 17/32	71 2 51/64	9.5 3/8	17 21/32	10 25/64	67 2 5/8	33 1 19/64	31 1.220	7.5 0.295	M8 5/16
25 13/16 7/8 15/16 1	AELFD205W3 AELFD205-013W3 AELFD205-014W3 AELFD205-015W3 AELFD205-100W3	95 3 3/4	76 2 63/64	9.5 3/8	17 21/32	10 25/64	71 2 25/32	33 1 19/64	31 1.220	7.5 0.295	M8 5/16
30 1 1/16 1 1/8 1 3/16 1 1/4	AELFD206W3 AELFD206-101W3 AELFD206-102W3 AELFD206-103W3 AELFD206-104W3	113 4 7/16	90 3 35/64	12 15/32	21 13/16	12 15/32	84 3 5/16	38.7 1 17/32	35.7 1.406	9 0.354	M10 3/8
35 1 1/4 1 5/16 1 3/8 1 7/16	AELFD207W3 AELFD207-104W3 AELFD207-105W3 AELFD207-106W3 AELFD207-107W3	125 4 29/32	100 3 15/16	12.5 31/64	22 7/8	12 15/32	94 3 11/16	41.9 1 21/32	38.9 1.531	9.5 0.374	M10 3/8
40 1 1/2 1 9/16	AELFD208W3 AELFD208-108W3 AELFD208-109W3	148 5 13/16	119 4 11/16	14.5 37/64	25 31/32	13.5 17/32	104 4 3/32	47.2 1 27/32	43.7 1.720	11 0.433	M12 7/16

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

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

Light rhombus flanged unit, cast housing
Eccentric locking collar type

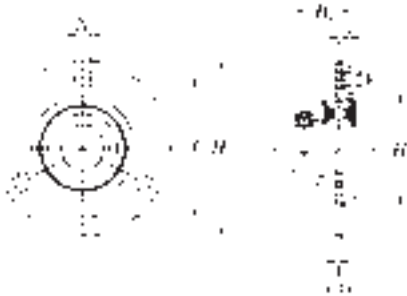


Shaft dia. mm inch	Unit number ⁽¹⁾	Nominal dimensions									Bolt size mm inch
		mm inch									
		<i>H</i>	<i>J</i>	<i>A</i> ₂	<i>A</i>	<i>N</i>	<i>L</i>	<i>A</i> ₀	<i>B</i> ₁	<i>S</i>	
12 1/2	JELFD201W3 JELFD201-008W3	81 3 3/16	63 2 31/64	8.5 21/64	15 19/32	7 9/32	59 2 5/16	30.6 1 13/64	28.6 1.126	6.5 0.256	M6 1/4
15 9/16 5/8	JELFD202W3 JELFD202-009W3 JELFD202-010W3	81 3 3/16	63 2 31/64	8.5 21/64	15 19/32	7 9/32	59 2 5/16	30.6 1 13/64	28.6 1.126	6.5 0.256	M6 1/4
17 11/16	JELFD203W3 JELFD203-011W3	81 3 3/16	63 2 31/64	8.5 21/64	15 19/32	7 9/32	59 2 5/16	30.6 1 13/64	28.6 1.126	6.5 0.256	M6 1/4
20 3/4	JELFD204W3 JELFD204-012W3	90 3 17/32	71 2 51/64	9.5 3/8	17 21/32	10 25/64	67 2 5/8	33 1 19/64	31 1.220	7.5 0.295	M8 5/16
25 13/16 7/8 15/16 1	JELFD205W3 JELFD205-013W3 JELFD205-014W3 JELFD205-015W3 JELFD205-100W3	95 3 3/4	76 2 63/64	9.5 3/8	17 21/32	10 25/64	71 2 25/32	33 1 19/64	31 1.220	7.5 0.295	M8 5/16
30 1 1/16 1 1/8 1 3/16 1 1/4	JELFD206W3 JELFD206-101W3 JELFD206-102W3 JELFD206-103W3 JELFD206-104W3	113 4 7/16	90 3 35/64	12 15/32	21 13/16	12 15/32	84 3 5/16	38.7 1 17/32	35.7 1.406	9 0.354	M10 3/8
35 1 1/4 1 5/16 1 3/8 1 7/16	JELFD207W3 JELFD207-104W3 JELFD207-105W3 JELFD207-106W3 JELFD207-107W3	125 4 29/32	100 3 15/16	12.5 31/64	22 7/8	12 15/32	94 3 11/16	41.9 1 21/32	38.9 1.531	9.5 0.374	M10 3/8
40 1 1/2 1 9/16	JELFD208W3 JELFD208-108W3 JELFD208-109W3	148 5 13/16	119 4 11/16	14.5 37/64	25 31/32	13.5 17/32	104 4 3/32	47.2 1 27/32	43.7 1.720	11 0.433	M12 7/16

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

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

Round flanged unit, pressed steel housing
Eccentric locking collar type

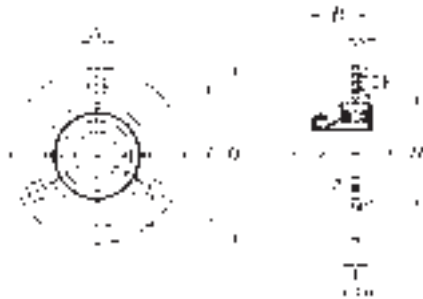


Shaft dia.	Unit number	Nominal dimensions								Bolt size
		<i>H</i>	<i>J</i>	<i>A</i> ₁	<i>N</i> ⁽¹⁾ mm inch	<i>A</i>	<i>B</i> ₁	<i>S</i>	<i>H</i> ₁ min.	
mm inch										mm inch
12 1/2	AELPF201W3 AELPF201-008W3	81 3 3/16	63.5 2 1/2	4 0.157	7.1 9/32	14 9/16	28.6 1.126	6.5 0.256	49 1 15/16	M6 1/4
15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

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

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

Round flanged unit, pressed steel housing
Eccentric locking collar type

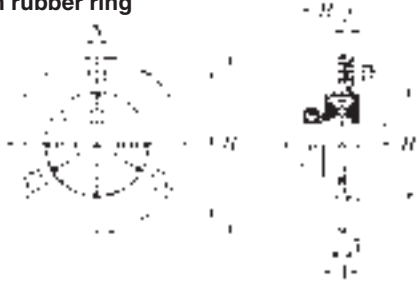


Shaft dia. mm inch	Unit number	Nominal dimensions								Bolt size mm inch
		<i>H</i>	<i>J</i>	<i>A</i> ₁	<i>N</i> ⁽¹⁾ mm inch	<i>A</i>	<i>B</i> ₁	<i>S</i>	<i>H</i> ₁ min.	
12 1/2	JELPF201W3 JELPF201-008W3	81 3 3/16	63.5 2 1/2	4 0.157	7.1 9/32	14 9/16	28.6 1.126	6.5 0.256	49 1 15/16	M6 1/4
15 9/16 5/8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

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

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

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

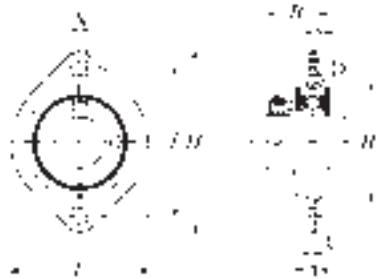


Shaft dia. mm inch	Unit number	Nominal dimensions									Bolt size mm inch
		<i>H</i>	<i>J</i>	<i>A</i> ₁	<i>N</i> mm inch	<i>A</i>	<i>B</i> ₁	<i>S</i>	<i>H</i> ₁ min.		
12 1/2	AELRPF201W3 AELRPF201-008W3	90 3 ³⁵ / ₆₄	71.5 2 ¹³ / ₁₆	4 0.157	9 23 ²³ / ₆₄	16 5 ⁵ / ₈	28.6 1.126	6.5 0.256	56 2 ⁷ / ₃₂	M8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

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

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

Rhombus flanged unit, pressed steel housing
Eccentric locking collar type

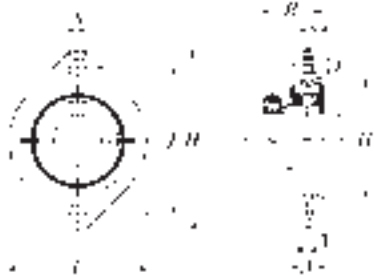


Shaft dia.	Unit number	Nominal dimensions									Bolt size
		<i>H</i>	<i>J</i>	<i>A</i> ₁	<i>N</i>	<i>A</i>	<i>L</i>	<i>B</i> ₁	<i>S</i>	<i>H</i> ₁	
mm inch											mm inch
12 1/2	AELPFL201W3 AELPFL201-008W3	81 3 3/16	63.5 2 1/2	4 0.157	7.1 9/32	14 9/16	59 2 5/16	28.6 1.126	6.5 0.256	49 1 15/16	M6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

Note (1) The permissible load only applies in applications where the load is stable and the speed is 2400 min⁻¹ or less.

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

Rhombus flanged unit, pressed steel housing
Eccentric locking collar type

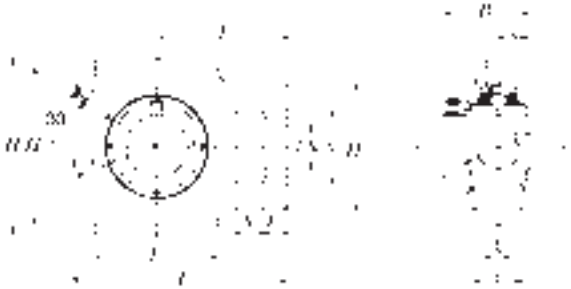


Shaft dia. mm inch	Unit number	Nominal dimensions									Bolt size mm inch
		<i>H</i>	<i>J</i>	<i>A</i> ₁	<i>N</i>	<i>A</i>	<i>L</i>	<i>B</i> ₁	<i>S</i>	<i>H</i> ₁	
12 1/2	JELPFL201W3 JELPFL201-008W3	81 3 3/16	63 2 31/64	4 0.157	7.1 9/32	14 9/16	59 2 5/16	28.6 1.126	6.5 0.256	49 1 15/16	M6 1/4
15 9/16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

Note (1) The permissible load only applies in applications where the load is stable and the speed is 2400 min⁻¹ or less.

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

Take-up unit, cast housing
Eccentric locking collar type

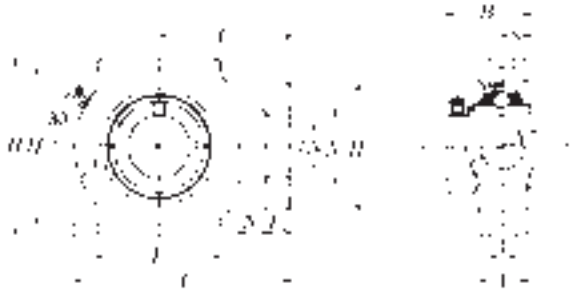


Shaft dia. mm inch	Unit number ⁽¹⁾	Nominal dimensions											
		mm inch											
		<i>N</i> ₁	<i>L</i> ₂	<i>H</i> ₂	<i>N</i> ₂	<i>N</i>	<i>L</i> ₃	<i>A</i> ₁	<i>H</i> ₁	<i>H</i>	<i>L</i>	<i>A</i> ₂	<i>A</i>
20 3⁄4	UEL204D1W3	16	12	51	32	19	51	12	76	89	94	21	32
	UEL204-012D1W3	5⁄8	15⁄32	2	1¼	3⁄4	2	0.472	2 ⁶³ ⁄64	3½	3 ¹¹ ⁄16	13⁄16	1¼
25 13⁄16 7⁄8 15⁄16	UEL205D1W3	16	12	51	32	19	51	12	76	89	97	24	32
	UEL205-013D1W3												
	UEL205-014D1W3	5⁄8	15⁄32	2	1¼	3⁄4	2	0.472	2 ⁶³ ⁄64	3½	3 ¹³ ⁄16	15⁄16	1¼
	UEL205-015D1W3												
1	UEL205-100D1W3												
30 1 1⁄16 1 1⁄8 1 3⁄16 1 1⁄4	UEL206D1W3	16	12	56	37	22	57	12	89	102	113	28	37
	UEL206-101D1W3												
	UEL206-102D1W3	5⁄8	15⁄32	2 ⁷ ⁄32	1 ¹⁵ ⁄32	7⁄8	2¼	0.472	3½	4 ¹ ⁄32	4 ⁷ ⁄16	1 ³ ⁄32	1 ¹⁵ ⁄32
	UEL206-103D1W3												
35 1 1⁄4 1 5⁄16 1 3⁄8 1 7⁄16	UEL207D1W3	16	15	64	37	22	64	12	89	102	129	30	37
	UEL207-104D1W3												
	UEL207-105D1W3	5⁄8	19⁄32	2 ¹⁷ ⁄32	1 ¹⁵ ⁄32	7⁄8	2 ¹⁷ ⁄32	0.472	3½	4 ¹ ⁄32	5 ³ ⁄32	1 ³ ⁄16	1 ¹⁵ ⁄32
	UEL207-106D1W3												
40 1 1⁄2 1 9⁄16	UEL208D1W3	19	18	83	49	29	83	16	102	114	144	33	49
	UEL208-108D1W3	3⁄4	23⁄32	3 ⁹ ⁄32	1 ¹⁵ ⁄16	1 ⁵ ⁄32	3 ⁹ ⁄32	0.630	4 ¹ ⁄64	4½	5 ²¹ ⁄32	1 ⁵ ⁄16	1 ¹⁵ ⁄16
	UEL208-109D1W3												
45 1 5⁄8 1 11⁄16 1 3⁄4	UEL209D1W3	19	18	83	49	29	83	16	102	117	145	35	49
	UEL209-110D1W3												
	UEL209-111D1W3	3⁄4	23⁄32	3 ⁹ ⁄32	1 ¹⁵ ⁄16	1 ⁵ ⁄32	3 ⁹ ⁄32	0.630	4 ¹ ⁄64	4 ¹⁹ ⁄32	5 ²³ ⁄32	1 ³ ⁄8	1 ¹⁵ ⁄16
	UEL209-112D1W3												
50 1 13⁄16 1 7⁄8 1 15⁄16 2	UEL210D1W3	19	18	83	49	29	86	16	102	117	151	37	49
	UEL210-113D1W3												
	UEL210-114D1W3	3⁄4	23⁄32	3 ⁹ ⁄32	1 ¹⁵ ⁄16	1 ⁵ ⁄32	3 ³ ⁄8	0.630	4 ¹ ⁄64	4 ¹⁹ ⁄32	5 ¹⁵ ⁄16	1 ¹⁵ ⁄32	1 ¹⁵ ⁄16
	UEL210-115D1W3												
	UEL210-200D1W3												

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

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

Take-up unit, cast housing
Eccentric locking collar type

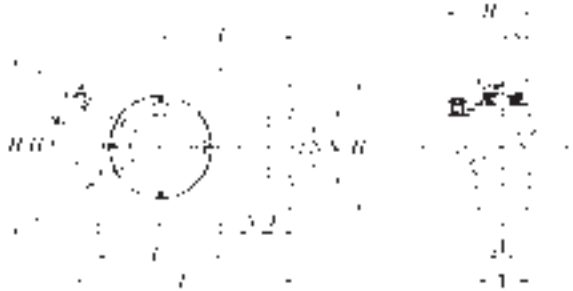


Shaft dia. mm inch	Unit number ⁽¹⁾	Nominal dimensions											
		mm inch											
		N ₁	L ₂	H ₂	N ₂	N	L ₃	A ₁	H ₁	H	L	A ₂	A
55	UEL211D1W3	25	21	102	64	35	95	22	130	146	171	38	64
2	UEL211-200D1W3	31 ¹ / ₃₂	13 ¹ / ₁₆	4 ¹ / ₃₂	2 ¹⁷ / ₃₂	1 ³ / ₈	3 ³ / ₄	0.866	5 ¹ / ₈	5 ³ / ₄	6 ²³ / ₃₂	1 ¹ / ₂	2 ¹⁷ / ₃₂
2 ¹ / ₁₆	UEL211-201D1W3												
2 ¹ / ₈	UEL211-202D1W3												
2 ³ / ₁₆	UEL211-203D1W3												
60	UEL212D1W3	32	21	102	64	35	102	22	130	146	194	42	64
2 ¹ / ₄	UEL212-204D1W3	1 ¹ / ₄	13 ¹ / ₁₆	4 ¹ / ₃₂	2 ¹⁷ / ₃₂	1 ³ / ₈	4 ¹ / ₃₂	0.866	5 ¹ / ₈	5 ³ / ₄	7 ⁵ / ₈	1 ²¹ / ₃₂	2 ¹⁷ / ₃₂
2 ⁵ / ₁₆	UEL212-205D1W3												
2 ³ / ₈	UEL212-206D1W3												
2 ⁷ / ₁₆	UEL212-207D1W3												
65	UEL213D1W3	32	23	111	70	41	121	26	151	167	224	44	70
2 ¹ / ₂	UEL213-208D1W3	1 ¹ / ₄	29 ¹ / ₃₂	4 ³ / ₈	2 ³ / ₄	1 ⁵ / ₈	4 ³ / ₄	1.024	5 ¹⁵ / ₁₆	6 ⁹ / ₁₆	8 ¹³ / ₁₆	1 ²³ / ₃₂	2 ³ / ₄
2 ⁹ / ₁₆	UEL213-209D1W3												
70	UEL214D1W3	32	23	111	70	41	121	26	151	167	224	46	70
2 ⁵ / ₈	UEL214-210D1W3	1 ¹ / ₄	29 ¹ / ₃₂	4 ³ / ₈	2 ³ / ₄	1 ⁵ / ₈	4 ³ / ₄	1.024	5 ¹⁵ / ₁₆	6 ⁹ / ₁₆	8 ¹³ / ₁₆	1 ¹³ / ₁₆	2 ³ / ₄
2 ¹¹ / ₁₆	UEL214-211D1W3												
2 ³ / ₄	UEL214-212D1W3												
75	UEL215D1W3	32	23	111	70	41	121	26	151	167	232	48	70
2 ¹³ / ₁₆	UEL215-213D1W3	1 ¹ / ₄	29 ¹ / ₃₂	4 ³ / ₈	2 ³ / ₄	1 ⁵ / ₈	4 ³ / ₄	1.024	5 ¹⁵ / ₁₆	6 ⁹ / ₁₆	9 ¹ / ₈	1 ⁷ / ₈	2 ³ / ₄
2 ⁷ / ₈	UEL215-214D1W3												
2 ¹⁵ / ₁₆	UEL215-215D1W3												
3	UEL215-300D1W3												

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

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

Take-up unit, cast housing
Eccentric locking collar type

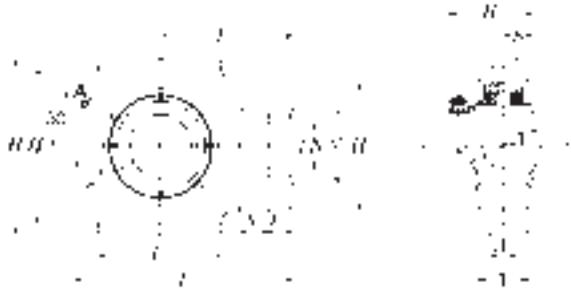


Shaft dia. mm inch	Unit number (1)	Nominal dimensions											
		mm inch											
		N_1	L_2	H_2	N_2	N	L_3	A_1	H_1	H	L	A_2	A
25 $\frac{13}{16}$ $\frac{7}{8}$ $\frac{15}{16}$ 1	UEL305D1W3 UEL305-013D1W3 UEL305-014D1W3 UEL305-015D1W3 UEL305-100D1W3	16	14	62	36	26	65	12	80	89	122	26	36
30 $1\frac{1}{16}$ $1\frac{1}{8}$ $1\frac{3}{16}$	UEL306D1W3 UEL306-101D1W3 UEL306-102D1W3 UEL306-103D1W3	18	16	70	41	28	74	16	90	100	137	28	41
35 $1\frac{1}{4}$ $1\frac{5}{16}$ $1\frac{3}{8}$ $1\frac{7}{16}$	UEL307D1W3 UEL307-104D1W3 UEL307-105D1W3 UEL307-106D1W3 UEL307-107D1W3	20	17	75	45	30	80	16	100	111	150	32	45
40 $1\frac{1}{2}$ $1\frac{9}{16}$	UEL308D1W3 UEL308-108D1W3 UEL308-109D1W3	22	19	83	50	32	89	18	112	124	162	34	50
45 $1\frac{5}{8}$ $1\frac{11}{16}$ $1\frac{3}{4}$	UEL309D1W3 UEL309-110D1W3 UEL309-111D1W3 UEL309-112D1W3	24	20	90	55	34	97	18	125	138	178	38	55
50 $1\frac{13}{16}$ $1\frac{7}{8}$ $1\frac{15}{16}$	UEL310D1W3 UEL310-113D1W3 UEL310-114D1W3 UEL310-115D1W3	27	22	98	61	37	106	20	140	151	192	40	61

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

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

Take-up unit, cast housing
Eccentric locking collar type

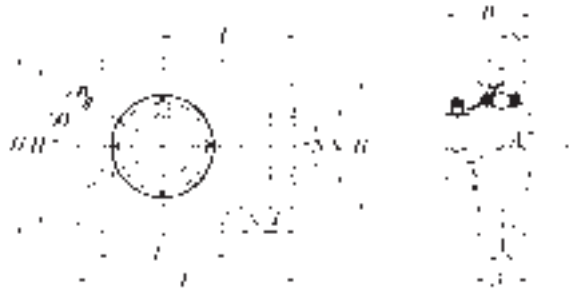


Shaft dia. mm inch	Unit number (1)	Nominal dimensions											
		mm inch											
		<i>N</i> ₁	<i>L</i> ₂	<i>H</i> ₂	<i>N</i> ₂	<i>N</i>	<i>L</i> ₃	<i>A</i> ₁	<i>H</i> ₁	<i>H</i>	<i>L</i>	<i>A</i> ₂	<i>A</i>
55	UEL311D1W3	29	23	105	66	39	115	22	150	163	207	44	66
2	UEL311-200D1W3												
2 1/16	UEL311-201D1W3	1 5/32	29/32	4 1/8	2 19/32	1 17/32	4 17/32	0.866	5 29/32	6 13/32	8 5/32	1 23/32	2 19/32
2 1/8	UEL311-202D1W3												
2 3/16	UEL311-203D1W3												
60	UEL312D1W3	31	25	113	71	41	123	22	160	178	220	46	71
2 1/4	UEL312-204D1W3												
2 5/16	UEL312-205D1W3	1 7/32	31/32	4 7/16	2 25/32	1 5/8	4 27/32	0.866	6 19/64	7	8 21/32	1 13/16	2 25/32
2 3/8	UEL312-206D1W3												
2 7/16	UEL312-207D1W3												
65	UEL313D1W3	32	27	116	70	43	134	26	170	190	238	50	80
2 1/2	UEL313-208D1W3	1 1/4	1 1/16	4 9/16	2 3/4	1 11/16	5 9/32	1.024	6 11/16	7 15/32	9 3/8	1 31/32	3 5/32
2 9/16	UEL313-209D1W3												
70	UEL314D1W3	36	27	130	85	46	140	26	180	202	252	52	90
2 5/8	UEL314-210D1W3												
2 11/16	UEL314-211D1W3	1 13/32	1 1/16	5 1/8	3 11/32	1 13/16	5 1/2	1.024	7 3/32	7 15/16	9 29/32	2 1/16	3 17/32
2 3/4	UEL314-212D1W3												
75	UEL315D1W3	36	27	132	85	46	150	26	192	216	262	55	90
2 13/16	UEL315-213D1W3												
2 7/8	UEL315-214D1W3	1 13/32	1 1/16	5 3/16	3 11/32	1 13/16	5 29/32	1.024	7 9/16	8 1/2	10 5/16	2 5/32	3 17/32
2 15/16	UEL315-215D1W3												
3	UEL315-300D1W3												
80	UEL316D1W3	42	30	150	98	53	160	30	204	230	282	60	102
3 1/16	UEL316-301D1W3												
3 1/8	UEL316-302D1W3	1 21/32	1 3/16	5 29/32	3 27/32	2 3/32	6 5/16	1.181	8 1/32	9 1/16	11 3/32	2 3/8	4 1/32
3 3/16	UEL316-303D1W3												

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

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

Take-up unit, cast housing
Eccentric locking collar type

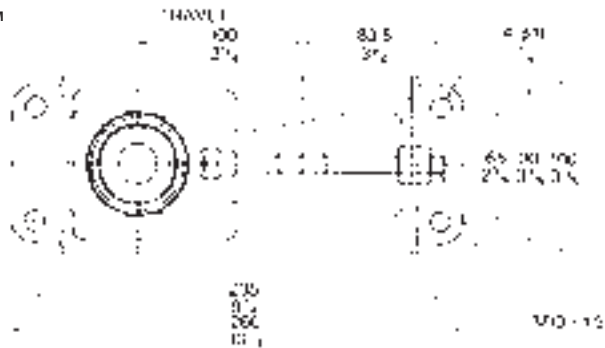


Shaft dia. mm inch	Unit number (1)	Nominal dimensions											
		mm inch											
		<i>N</i> ₁	<i>L</i> ₂	<i>H</i> ₂	<i>N</i> ₂	<i>N</i>	<i>L</i> ₃	<i>A</i> ₁	<i>H</i> ₁	<i>H</i>	<i>L</i>	<i>A</i> ₂	<i>A</i>
85 3 1/4 3 5/16 3 7/16	UEL317D1W3 UEL317-304D1W3 UEL317-305D1W3 UEL317-307D1W3	42	32	152	98	53	170	32	214	240	298	64	102
		1 21/32	1 1/4	5 31/32	3 27/32	2 3/32	6 11/16	1.260	8 27/64	9 7/16	11 23/32	2 17/32	4 1/32
90 3 7/16 3 1 1/2	UEL318D1W3 UEL318-307D1W3 UEL318-308D1W3	46	32	160	106	57	175	32	228	255	312	66	110
		1 13/16	1 1/4	6 5/16	4 3/16	2 1/4	6 7/8	1.260	8 31/32	10 1/32	12 9/32	2 19/32	4 11/32
95 3 5/8 3 11/16 3 3/4	UEL319D1W3 UEL319-310D1W3 UEL319-311D1W3 UEL319-312D1W3	46	33	165	106	57	180	35	240	270	322	72	110
		1 13/16	1 5/16	6 1/2	4 3/16	2 1/4	7 3/32	1.378	9 29/64	10 5/8	12 11/16	2 27/32	4 11/32
100 3 13/16 3 7/8 3 15/16 4	UEL320D1W3 UEL320-313D1W3 UEL320-314D1W3 UEL320-315D1W3 UEL320-400D1W3	48	34	175	115	59	200	35	260	290	345	75	120
		1 7/8	1 11/32	6 7/8	4 17/32	2 5/16	7 7/8	1.378	10 15/64	11 13/32	13 19/32	2 15/16	4 23/32
105	UEL321D1W3	48	34	175	115	59	200	35	260	290	347	75	120
110	UEL322D1W3	52	40	185	125	65	215	38	285	320	385	80	130

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

Nominal dimensions				Bearing number	Housing number	Mass of unit
mm inch						kg lb
<i>r</i>	<i>L</i> ₁	<i>B</i> ₁	<i>S</i>			
115	183	109.5	42.05	UEL317D1W3 UEL317-304D1W3 UEL317-305D1W3 UEL317-307D1W3	T317D1 T317D1 T317D1 T317D1	20 44
4 ¹⁷ / ₃₂	7 ⁷ / ₃₂	4.311	1.656			
120	192	115.9	43.65	UEL318D1W3 UEL318-307D1W3 UEL318-308D1W3	T318D1 T318D1 T318D1	23 51
4 ²³ / ₃₂	7 ⁹ / ₁₆	4.563	1.719			
125	197	122.3	38.9	UEL319D1W3 UEL319-310D1W3 UEL319-311D1W3 UEL319-312D1W3	T319D1 T319D1 T319D1 T319D1	26 57
4 ²⁹ / ₃₂	7 ³ / ₄	4.815	1.531			
135	210	128.6	50	UEL320D1W3 UEL320-313D1W3 UEL320-314D1W3 UEL320-315D1W3 UEL320-400D1W3	T320D1 T320D1 T320D1 T320D1 T320D1	32 71
5 ⁵ / ₁₆	8 ³ / ₃₂	5.063	1.969			
135	212	139.7	48.4	UEL321D1D1W3	T321D1	33
150	235	141.3	49.2	UEL322D1D1W3	T322D1	42

Take-up mini stretcher Units™
Eccentric locking collar type



Shaft dia. mm inch	Unit number	Nominal dimensions			Bolt size mm inch	Max. load (¹) recommended N lbf
		A	B ₁	S		
12 1/2	AELPT201-10W3 AELPT201-008-10W3	37.1 1 ²⁹ / ₆₄	28.6 1.126	6.5 0.256	M10 3/8	3 430 770
15 9/16 5/8	AELPT202-10W3 AELPT202-009-10W3 AELPT202-010-10W3	37.1 1 ²⁹ / ₆₄	28.6 1.126	6.5 0.256	M10 3/8	3 430 770
17 11/16	AELPT203-10W3 AELPT203-011-10W3	37.1 1 ²⁹ / ₆₄	28.6 1.126	6.5 0.256	M10 3/8	3 430 770
20 3/4	AELPT204-10W3 AELPT204-012-10W3	38.5 1 ³³ / ₆₄	31 1.220	7.5 0.295	M10 3/8	3 430 770
25 13/16 7/8 15/16 1	AELPT205-10W3 AELPT205-013-10W3 AELPT205-014-10W3 AELPT205-015-10W3 AELPT205-100-10W3	38.5 1 ³³ / ₆₄	31 1.220	7.5 0.295	M10 3/8	3 430 770

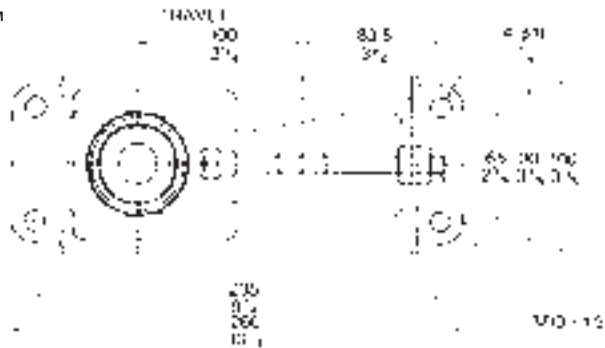
Note (¹) The Stretcher Units is designed to only take a horizontal radial load, in line with the adjustment direction.
Axial loads or vertical radial loads can deform or break the housing.



AELPT type

Bearing number	Mass of unit kg lb
AEL201W3 AEL201-008W3	1.1 2.4
AEL202W3 AEL202-009W3 AEL202-010W3	1.1 2.4
AEL203W3 AEL203-011W3	1.1 2.4
AEL204W3 AEL204-012W3	1.1 2.4
AEL205W3 AEL205-013W3 AEL205-014W3 AEL205-015W3 AEL205-100W3	1.2 2.6

Take-up mini stretcher Units™
Eccentric locking collar type



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

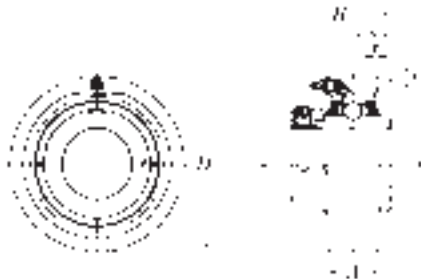
Note (¹) The Stretcher Units is designed to only take a horizontal radial load, in line with the adjustment direction.
Axial loads or vertical radial loads can deform or break the housing.



JELPT type

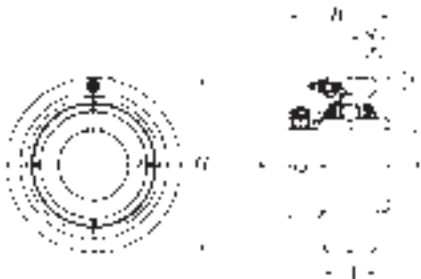
Bearing number	Mass of unit kg lb
JEL201W3	1.1
JEL201-008W3	2.4
JEL202W3	1.1
JEL202-009W3	2.4
JEL202-010W3	
JEL203W3	1.1
JEL203-011W3	2.4
JEL204W3	1.1
JEL204-012W3	2.4
JEL205W3	1.2
JEL205-013W3	
JEL205-014W3	2.6
JEL205-015W3	
JEL205-100W3	

Cartridge unit, cast housing
Eccentric locking collar type



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

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

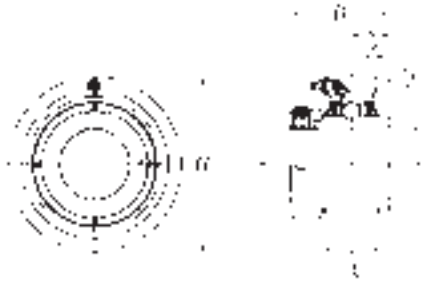


Shaft dia. mm inch	Unit number ⁽¹⁾	Nominal dimensions					Bearing number	Housing number	Mass of unit
		mm inch							kg lb
		<i>H</i>	<i>A</i>	<i>r</i>	<i>B</i> ₁	<i>S</i>			
50 1 ¹³ / ₁₆ 1 ⁷ / ₈ 1 ¹⁵ / ₁₆ 2	UEL210D1W3	120	33	2.5	62.7	24.6	UEL210D1W3	C210D1	2.1
	UEL210-113D1W3	4.7244	1 ¹⁹ / ₆₄	0.098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

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

UEL3

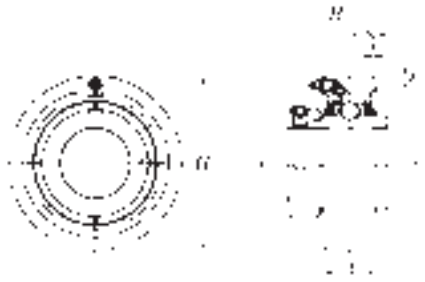
Cartridge unit, cast housing
Eccentric locking collar type



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

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

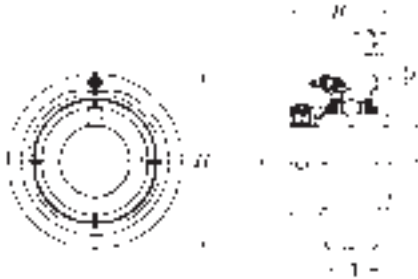
UEL3



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

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

Cartridge unit, cast housing
Eccentric locking collar type



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

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

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

Pillow block unit, cast housing
Adapter type



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

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

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

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



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

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

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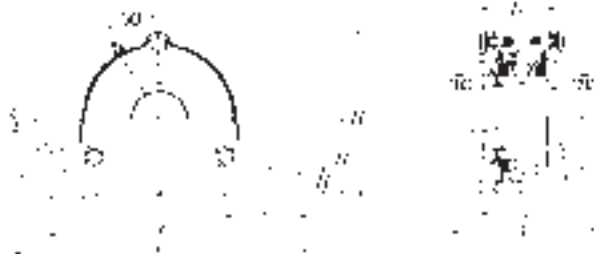
Pillow block unit, cast housing
Adapter type



Shaft dia. mm inch	Unit number ⁽¹⁾ / ₍₂₎ / ₍₃₎	Nominal dimensions										Bolt size mm inch
		mm inch										
		H	L	J	A	N	N ₁	H ₁	H ₂	L ₁	B ₁	
20 ¾	UKP305D1;H2305X	45	175	132	45	17	20	15	85	54	35	M14 ½
	UKP305D1;HE2305	1 ⁴⁹ / ₆₄	6 ⁷ / ₈	5 ³ / ₁₆	1 ²⁵ / ₃₂	2 ¹ / ₃₂	2 ⁵ / ₃₂	1 ⁹ / ₃₂	3 ¹¹ / ₃₂	2 ¹ / ₈	1.378	
25 7/8 1	UKP306D1;H2306X	50	180	140	50	17	20	18	95	54	38	M14 ½
	UKP306D1;HS2306 UKP306D1;HE2306X	1 ³¹ / ₃₂	7 ³ / ₃₂	5 ¹ / ₂	1 ³¹ / ₃₂	2 ¹ / ₃₂	2 ⁵ / ₃₂	2 ³ / ₃₂	3 ³ / ₄	2 ¹ / ₈	1.496	
30 1 ⅛	UKP307D1;H2307X	56	210	160	56	17	25	20	106	60	43	M14 ½
	UKP307D1;HS2307	2 ¹³ / ₆₄	8 ⁹ / ₃₂	6 ⁵ / ₁₆	2 ⁷ / ₃₂	2 ¹ / ₃₂	3 ¹ / ₃₂	2 ⁵ / ₃₂	4 ³ / ₁₆	2 ³ / ₈	1.693	
35 1 ¼ 1 ⅜	UKP308D1;H2308X	60	220	170	60	17	27	22	116	60	46	M14 ½
	UKP308D1;HE2308X UKP308D1;HS2308X	2 ²³ / ₆₄	8 ²¹ / ₃₂	6 ¹¹ / ₁₆	2 ³ / ₈	2 ¹ / ₃₂	1 ¹ / ₁₆	7/8	4 ⁹ / ₁₆	2 ³ / ₈	1.811	
40 1 7/16 1 ½ 1 ⅝	UKP309D1;H2309X	67	245	190	67	20	30	24	129	65	50	M16 5/8
	UKP309D1;HA2309											
	UKP309D1;HE2309X	2 ⁴¹ / ₆₄	9 ²¹ / ₃₂	7 ¹⁵ / ₃₂	2 ⁵ / ₈	2 ⁵ / ₃₂	1 ³ / ₁₆	1 ⁵ / ₁₆	5 ³ / ₃₂	2 ⁹ / ₁₆	1.969	
	UKP309D1;HS2309X											
45 1 ⅝ 1 11/16 1 ¾	UKP310D1;H2310X	75	275	212	75	20	35	27	143	75	55	M16 5/8
	UKP310D1;HS2310											
	UKP310D1;HA2310	2 ⁶¹ / ₆₄	10 ¹³ / ₁₆	8 ¹¹ / ₃₂	2 ¹⁵ / ₁₆	2 ⁵ / ₃₂	1 ³ / ₈	1 ¹ / ₁₆	5 ⁵ / ₈	2 ¹⁵ / ₁₆	2.165	
	UKP310D1;HE2310X											
50 1 7/8 1 15/16 2	UKP311D1;H2311X	80	310	236	80	20	38	30	154	85	59	M16 5/8
	UKP311D1;HS2311											
	UKP311D1;HA2311	3 ⁵ / ₃₂	12 ⁷ / ₃₂	9 ⁹ / ₃₂	3 ⁵ / ₃₂	2 ⁵ / ₃₂	1 ¹ / ₂	1 ³ / ₁₆	6 ¹ / ₁₆	3 ¹¹ / ₃₂	2.323	
	UKP311D1;HE2311XY											
55 2 ⅛	UKP312D1;H2312X	85	330	250	85	25	38	32	165	95	62	M20 ¾
	UKP312D1;HS2312	3 ¹¹ / ₃₂	13	9 ²⁷ / ₃₂	3 ¹¹ / ₃₂	3 ¹ / ₃₂	1 ¹ / ₂	1 ¹ / ₄	6 ¹ / ₂	3 ³ / ₄	2.441	

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

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



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

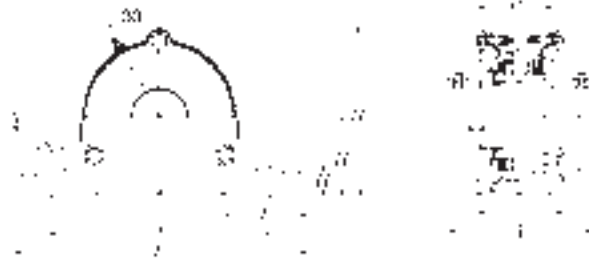
Bearing number	Housing number	Unit number cast dust cover type	Nominal dimensions			Mass of unit	
			mm inch			kg lb	
			t max.	H ₃	A ₅	UKP	C(CM)
UK305D1;H2305X UK305D1;HE2305	P305D1 P305D1	C(CM)-UKP305D1;H2305X C(CM)-UKP305ED1;HE2305	2 5⁄64	91 3 ¹⁹ / ₃₂	80 3 ⁵ / ₃₂	1.4 3.1	1.9 4.2
UK306D1;H2306X UK306D1;HS2306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

Pillow block unit, cast housing
Adapter type



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

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



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

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

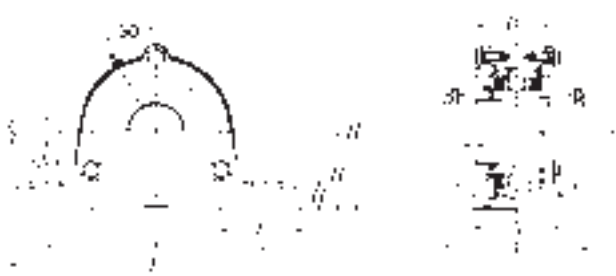
Pillow block unit, cast housing
Adapter type



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

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

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



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

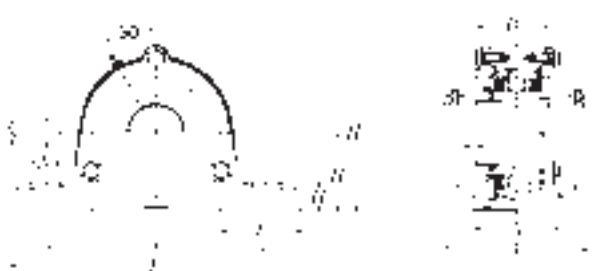
Bearing number	Housing number	Unit number cast dust cover type	Nominal dimensions			Mass of unit	
			mm inch			kg	lb
			<i>t</i>	<i>H</i> ₃	<i>A</i> ₅		
			max.				
UKX05D1;H2305X	PX05D1	C(CM)-UKPX05D1;H2305X	2	89	75	1.4	1.8
UKX05D1;HE2305	PX05D1	C(CM)-UKPX05ED1;HE2305	⁵ / ₆₄	3 ¹ / ₂	2 ¹⁵ / ₁₆	3.1	4.0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

Pillow block unit, cast housing
Adapter type



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

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



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

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

Square flanged unit, cast housing
Adapter type



Shaft dia. mm inch	Unit number ⁽¹⁾ (°)(°)	Nominal dimensions									Bolt size mm inch	Bearing number
		L	J	A ₂	A ₁	mm inch A	N	A ₀	B ₁	F min.		
20 3⁄4	UKF205D1;H2305X UKF205D1;HE2305	95 3 3⁄4	70 2 3⁄4	16 5⁄8	13 1⁄2	27 1 1⁄16	12 15⁄32	35.5 1 25⁄64	35 1.378	30 1 3⁄16	M10 3⁄8	UK205D1;H2305X UK205D1;HE2305
25 7⁄8 1	UKF206D1;H2306X UKF206D1;HS2306 UKF206D1;HE2306X	108 4 1⁄4	83 3 17⁄64	18 45⁄64	13 1⁄2	31 1 7⁄32	12 15⁄32	39 1 17⁄32	38 1.496	36 1 13⁄32	M10 3⁄8	UK206D1;H2306X UK206D1;HS2306 UK206D1;HE2306X
30 1 1⁄8	UKF207D1;H2307X UKF207D1;HS2307	117 4 19⁄32	92 3 5⁄8	19 3⁄4	15 19⁄32	34 1 11⁄32	14 35⁄64	42.5 1 43⁄64	43 1.693	40 1 9⁄16	M12 7⁄16	UK207D1;H2307X UK207D1;HS2307
35 1 1⁄4 1 3⁄8	UKF208D1;H2308X UKF208D1;HE2308X UKF208D1;HS2308X	130 5 1⁄8	102 4 1⁄64	21 53⁄64	15 19⁄32	36 1 13⁄32	16 5⁄8	46.5 1 53⁄64	46 1.811	46 1 13⁄16	M14 1⁄2	UK208D1;H2308X UK208D1;HE2308X UK208D1;HS2308X
40 1 7⁄16 1 1⁄2 1 5⁄8	UKF209D1;H2309X UKF209D1;HA2309 UKF209D1;HE2309X UKF209D1;HS2309X	137 5 13⁄32	105 4 9⁄64	22 55⁄64	16 5⁄8	38 1 1⁄2	16 5⁄8	48.5 1 29⁄32	50 1.969	52 2 1⁄16	M14 1⁄2	UK209D1;H2309X UK209D1;HA2309 UK209D1;HE2309X UK209D1;HS2309X
45 1 5⁄8 1 11⁄16 1 3⁄4	UKF210D1;H2310X UKF210D1;HS2310 UKF210D1;HA2310 UKF210D1;HE2310X	143 5 5⁄8	111 4 3⁄8	22 55⁄64	16 5⁄8	40 1 9⁄16	16 5⁄8	50 1 31⁄32	55 2.165	57 2 1⁄4	M14 1⁄2	UK210D1;H2310X UK210D1;HS2310 UK210D1;HA2310 UK210D1;HE2310X
50 1 7⁄8 1 15⁄16 2	UKF211D1;H2311X UKF211D1;HS2311 UKF211D1;HA2311 UKF211D1;HE2311XY	162 6 3⁄8	130 5 1⁄8	25 63⁄64	18 23⁄32	43 1 11⁄16	19 3⁄4	54.5 2 9⁄64	59 2.323	64 2 17⁄32	M16 5⁄8	UK211D1;H2311X UK211D1;HS2311 UK211D1;HA2311 UK211D1;HE2311XY
55 2 1⁄8	UKF212D1;H2312X UKF212D1;HS2312	175 6 7⁄8	143 5 5⁄8	29 1 9⁄64	18 23⁄32	48 1 7⁄8	19 3⁄4	61 2 13⁄32	62 2.441	69 2 23⁄32	M16 5⁄8	UK212D1;H2312X UK212D1;HS2312

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

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



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

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

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

Square flanged unit, cast housing
Adapter type



Shaft dia. mm inch	Unit number ⁽¹⁾ (²)	Nominal dimensions									Bolt size mm inch	Bearing number
		<i>L</i>	<i>J</i>	<i>A</i> ₂	<i>A</i> ₁	<i>A</i>	<i>N</i>	<i>A</i> ₀	<i>B</i> ₁	<i>F</i> min.		
60 2 ³ / ₁₆ 2 ¹ / ₄ 2 ³ / ₈	UKF213D1;H2313X UKF213D1;HA2313 UKF213D1;HE2313X UKF213D1;HS2313X	187	149	30	22	50	19	64	65	74	M16 5/ ₈	UK213D1;H2313X UK213D1;HA2313 UK213D1;HE2313X UK213D1;HS2313X
65 2 ⁷ / ₁₆ 2 ¹ / ₂	UKF215D1;H2315X UKF215D1;HA2315 UKF215D1;HE2315X	200	159	34	22	56	19	71	73	84	M16 5/ ₈	UK215D1;H2315X UK215D1;HA2315 UK215D1;HE2315X
70 2 ¹¹ / ₁₆ 2 ³ / ₄	UKF216D1;H2316X UKF216D1;HA2316 UKF216D1;HE2316X	208	165	34	22	58	23	73.5	78	90	M20 3/ ₄	UK216D1;H2316X UK216D1;HA2316 UK216D1;HE2316X
75 2 ¹⁵ / ₁₆ 3	UKF217D1;H2317X UKF217D1;HA2317X UKF217D1;HE2317X	220	175	36	24	63	23	77	82	95	M20 3/ ₄	UK217D1;H2317X UK217D1;HA2317X UK217D1;HE2317X
80 3 ³ / ₁₆	UKF218D1;H2318X UKF218D1;HA2318X	235	187	40	24	68	23	81.5	86	102	M20 3/ ₄	UK218D1;H2318X UK218D1;HA2318X

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

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

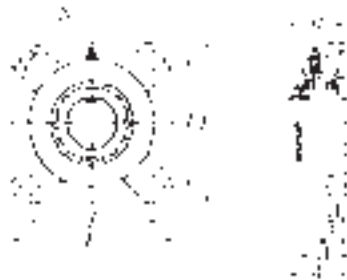


Pressed steel dust cover type
Open end **Z-UKF...D1**
Closed end **ZM-UKF...D1**

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

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

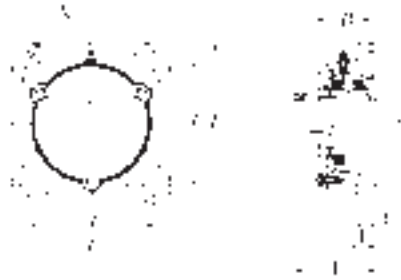
Square flanged unit, cast housing
Adapter type



Shaft dia. mm inch	Unit number ⁽¹⁾ (²)(³)	Nominal dimensions								Bolt size mm inch
		mm inch								
		<i>L</i>	<i>J</i>	<i>A</i> ₂	<i>A</i> ₁	<i>A</i>	<i>N</i>	<i>A</i> ₀	<i>B</i> ₁	
20 3⁄4	UKF305D1;H2305X UKF305D1;HE2305	110 4 ¹¹ / ₃₂	80 3 ⁵ / ₃₂	16 5⁄8	13 1⁄2	29 1 ⁵ / ₃₂	16 5⁄8	37 1 ²⁹ / ₆₄	35 1.378	M14 1⁄2
25 7⁄8 1	UKF306D1;H2306X UKF306D1;HS2306 UKF306D1;HE2306X	125 4 ²⁹ / ₃₂	95 3 ⁴⁷ / ₆₄	18 45⁄64	15 19⁄32	32 1 ¹ / ₄	16 5⁄8	40.5 1 ¹⁹ / ₃₂	38 1.496	M14 1⁄2
30 1 ¹ / ₈	UKF307D1;H2307X UKF307D1;HS2307	135 5 ⁵ / ₁₆	100 3 ¹⁵ / ₁₆	20 25⁄32	16 5⁄8	36 1 ¹³ / ₃₂	19 3⁄4	45.5 1 ⁵¹ / ₆₄	43 1.693	M16 5⁄8
35 1 ¹ / ₄ 1 ³ / ₈	UKF308D1;H2308X UKF308D1;HE2308X UKF308D1;HS2308X	150 5 ²⁹ / ₃₂	112 4 ¹³ / ₃₂	23 29⁄32	17 21⁄32	40 1 ⁹ / ₁₆	19 3⁄4	50 1 ³¹ / ₃₂	46 1.811	M16 5⁄8
40 1 ⁷ / ₁₆ 1 ¹ / ₂ 1 ⁵ / ₈	UKF309D1;H2309X UKF309D1;HA2309 UKF309D1;HE2309X UKF309D1;HS2309X	160 6 ⁵ / ₁₆	125 4 ⁵⁹ / ₆₄	25 63⁄64	18 23⁄32	44 1 ²³ / ₃₂	19 3⁄4	54.5 2 ⁹ / ₆₄	50 1.969	M16 5⁄8
45 1 ⁵ / ₈ 1 ¹¹ / ₁₆ 1 ³ / ₄	UKF310D1;H2310X UKF310D1;HS2310 UKF310D1;HA2310 UKF310D1;HE2310X	175 6 ⁷ / ₈	132 5 ¹³ / ₆₄	28 1 ⁷ / ₆₄	19 3⁄4	48 1 ⁷ / ₈	23 29⁄32	60.5 2 ³ / ₈	55 2.165	M20 3⁄4
50 1 ⁷ / ₈ 1 ¹⁵ / ₁₆ 2	UKF311D1;H2311X UKF311D1;HS2311 UKF311D1;HA2311 UKF311D1;HE2311XY	185 7 ⁹ / ₃₂	140 5 ³³ / ₆₄	30 1 ³ / ₁₆	20 25⁄32	52 2 ¹ / ₁₆	23 29⁄32	64 2 ³³ / ₆₄	59 2.323	M20 3⁄4
55 2 ¹ / ₈	UKF312D1;H2312X UKF312D1;HS2312	195 7 ¹¹ / ₁₆	150 5 ²⁹ / ₃₂	33 1 ¹⁹ / ₆₄	22 7⁄8	56 2 ⁷ / ₃₂	23 29⁄32	69.5 2 ⁴⁷ / ₆₄	62 2.441	M20 3⁄4

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

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



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

Bearing number	Housing number	Unit number ⁽⁴⁾ cast dust cover type	Nominal dimensions		Mass of unit	
			mm inch		kg lb	
			<i>t</i> max.	<i>A</i> ₅	UKF	C(CM)
UK305D1;H2305X UK305D1;HE2305	F305D1 F305D1	C(CM)-UKF305D1;H2305X C(CM)-UKF305ED1;HE2305	2 5⁄64	56 2 7⁄32	1.1 2.4	1.5 3.3
UK306D1;H2306X UK306D1;HS2306 UK306D1;HE2306X	F306D1 F306D1 F306D1	C(CM)-UKF306D1;H2306X C(CM)-UKF306SD1;HS2306 C(CM)-UKF306ED1;HE2306X	2 5⁄64	60 2 3⁄8	1.7 3.7	2.1 4.6
UK307D1;H2307X UK307D1;HS2307	F307D1 F307D1	C(CM)-UKF307D1;H2307X C(CM)-UKF307SD1;HS2307	3 1⁄8	68 2 11⁄16	2.1 4.6	2.7 6.0
UK308D1;H2308X UK308D1;HE2308X UK308D1;HS2308X	F308D1 F308D1 F308D1	C(CM)-UKF308D1;H2308X C(CM)-UKF308ED1;HE2308X C(CM)-UKF308SD1;HS2308X	3 1⁄8	76 3	2.8 6.2	3.5 7.7
UK309D1;H2309X UK309D1;HA2309 UK309D1;HE2309X UK309D1;HS2309X	F309D1 F309D1 F309D1 F309D1	C(CM)-UKF309D1;H2309X C(CM)-UKF309AD1;HA2309 C(CM)-UKF309ED1;HE2309X C(CM)-UKF309SD1;HS2309X	3 1⁄8	80 3 5⁄32	3.4 7.5	4.4 9.7
UK310D1;H2310X UK310D1;HS2310 UK310D1;HA2310 UK310D1;HE2310X	F310D1 F310D1 F310D1 F310D1	C(CM)-UKF310D1;H2310X C(CM)-UKF310SD1;HS2310 C(CM)-UKF310AD1;HA2310 C(CM)-UKF310ED1;HE2310X	3 1⁄8	88 3 15⁄32	4.5 9.9	5.9 13
UK311D1;H2311X UK311D1;HS2311 UK311D1;HA2311 UK311D1;HE2311XY	F311D1 F311D1 F311D1 F311D1	C(CM)-UKF311D1;H2311X C(CM)-UKF311SD1;HS2311 C(CM)-UKF311AD1;HA2311 C(CM)-UKF311ED1;HE2311XY	4 5⁄32	92 3 5⁄8	5.3 12	6.8 15
UK312D1;H2312X UK312D1;HS2312	F312D1 F312D1	C(CM)-UKF312D1;H2312X C(CM)-UKF312SD1;HS2312	4 5⁄32	100 3 15⁄16	6.3 14	7.9 17

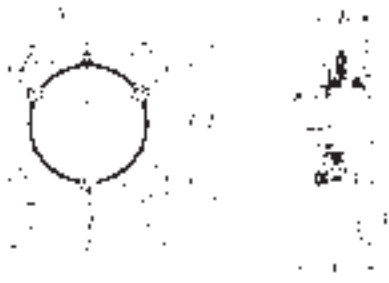
Squaire flanged unit, cast housing
Adapter type



Shaft dia. mm inch	Unit number ⁽¹⁾ (²)	Nominal dimensions								Bolt size mm inch
		mm inch								
		<i>L</i>	<i>J</i>	<i>A</i> ₂	<i>A</i> ₁	<i>A</i>	<i>N</i>	<i>A</i> ₀	<i>B</i> ₁	
60 2 ³ / ₁₆ 2 ¹ / ₄ 2 ³ / ₈	UKF313D1;H2313X UKF313D1;HA2313 UKF313D1;HE2313X UKF313D1;HS2313X	208 8 ³ / ₁₆	166 6 ¹⁷ / ₃₂	33 1 ¹⁹ / ₆₄	22 ⁷ / ₈	58 2 ⁹ / ₃₂	23 ²⁹ / ₃₂	71.5 2 ¹³ / ₁₆	65 2.559	M20 ³ / ₄
65 2 ⁷ / ₁₆ 2 ¹ / ₂	UKF315D1;H2315X UKF315D1;HA2315 UKF315D1;HE2315X	236 9 ⁹ / ₃₂	184 7 ¹ / ₄	39 1 ¹⁷ / ₃₂	25 ³¹ / ₃₂	66 2 ¹⁹ / ₃₂	25 ⁶³ / ₆₄	81.5 3 ¹³ / ₆₄	73 2.874	M22 ⁷ / ₈
70 2 ¹¹ / ₁₆ 2 ³ / ₄	UKF316D1;H2316X UKF316D1;HA2316 UKF316D1;HE2316X	250 9 ²⁷ / ₃₂	196 7 ²³ / ₃₂	38 1 ¹ / ₂	27 1 ¹ / ₁₆	68 2 ¹¹ / ₁₆	31 1 ⁷ / ₃₂	84 3 ⁵ / ₁₆	78 3.071	M27 1
75 2 ¹⁵ / ₁₆ 3	UKF317D1;H2317X UKF317D1;HA2317X UKF317D1;HE2317X	260 10 ¹ / ₄	204 8 ¹ / ₃₂	44 1 ⁴⁷ / ₆₄	27 1 ¹ / ₁₆	74 2 ²⁹ / ₃₂	31 1 ⁷ / ₃₂	92 3 ⁵ / ₈	82 3.228	M27 1
80 3 ¹³ / ₁₆	UKF318D1;H2318X UKF318D1;HA2318X	280 11 ¹ / ₃₂	216 8 ¹ / ₂	44 1 ⁴⁷ / ₆₄	30 1 ³ / ₁₆	76 3	35 1 ³ / ₈	94 3 ⁴⁵ / ₆₄	86 3.386	M30 1 ¹ / ₈
85 3 ¹ / ₄	UKF319D1;H2319X UKF319D1;HE2319X	290 11 ¹³ / ₃₂	228 8 ²¹ / ₃₂	59 2 ²¹ / ₆₄	30 1 ³ / ₁₆	94 3 ¹¹ / ₁₆	35 1 ³ / ₈	111.5 4 ²⁵ / ₆₄	90 3.543	M30 1 ¹ / ₈
90 3 ⁷ / ₁₆ 3 ¹ / ₂	UKF320D1;H2320X UKF320D1;HA2320 UKF320D1;HE2320X	310 12 ⁷ / ₃₂	242 9 ¹⁷ / ₃₂	59 2 ²¹ / ₆₄	32 1 ¹ / ₄	94 3 ¹¹ / ₁₆	38 1 ¹ / ₂	115.5 4 ³⁵ / ₆₄	97 3.819	M33 1 ¹ / ₄
100	UKF322D1;H2322X	340	266	60	35	96	41	121	105	M36
110	UKF324D1;H2324	370	290	65	40	110	41	130	112	M36
115	UKF326D1;H2326	410	320	65	45	115	41	133	121	M36
125	UKF328D1;H2328	450	350	75	55	125	41	146.5	131	M36

Notes ⁽¹⁾ These numbers indicate relubricatable type. If maintenance free type is needed, please order without suffix "D1".
⁽²⁾ Adapter number with suffix "X" means a narrow slot type adapter sleeve.
In this case the lock washer with the straight inner prong should be used.
⁽³⁾ If the inch series housing units with dust cover are ordered with a closed end, the suffixes E, S or A are not included.
Example: CM-UKF305D1;HE2305

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



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

Bearing number	Housing number	Unit number ⁽³⁾ cast dust cover type	Nominal dimensions		Mass of unit	
			mm inch		kg lb	
			<i>t</i> max.	<i>A</i> ₅	UKF	C(CM)
UK313D1;H2313X UK313D1;HA2313 UK313D1;HE2313X UK313D1;HS2313X	F313D1 F313D1 F313D1 F313D1	C(CM)-UKF313D1;H2313X C(CM)-UKF313AD1;HA2313 C(CM)-UKF313ED1;HE2313X C(CM)-UKF313SD1;HS2313X	4 ⁵ / ₃₂	103 4 ¹ / ₁₆	7.8 17	9.6 21
UK315D1;H2315X UK315D1;HA2315 UK315D1;HE2315X	F315D1 F315D1 F315D1	C(CM)-UKF315D1;H2315X C(CM)-UKF315AD1;HA2315 C(CM)-UKF315ED1;HE2315X	4 ⁵ / ₃₂	114 4 ¹ / ₂	11 24	13 29
UK316D1;H2316X UK316D1;HA2316 UK316D1;HE2316X	F316D1 F316D1 F316D1	C(CM)-UKF316D1;H2316X C(CM)-UKF316AD1;HA2316 C(CM)-UKF316ED1;HE2316X	4 ⁵ / ₃₂	116 4 ⁹ / ₁₆	14 31	16 35
UK317D1;H2317X UK317D1;HA2317X UK317D1;HE2317X	F317D1 F317D1 F317D1	C(CM)-UKF317D1;H2317X C(CM)-UKF317AD1;HA2317X C(CM)-UKF317ED1;HE2317X	5 ¹³ / ₆₄	129 5 ³ / ₃₂	15 33	19 42
UK318D1;H2318X UK318D1;HA2318X	F318D1 F318D1	C(CM)-UKF318D1;H2318X C(CM)-UKF318AD1;HA2318X	5 ¹³ / ₆₄	129 5 ³ / ₃₂	19 42	23 51
UK319D1;H2319X UK319D1;HE2319X	F319D1 F319D1	C(CM)-UKF319D1;H2319X C(CM)-UKF319ED1;HE2319X	5 ¹³ / ₆₄	149 5 ⁷ / ₈	22 49	26 57
UK320D1;H2320X UK320D1;HA2320 UK320D1;HE2320X	F320D1 F320D1 F320D1	C(CM)-UKF320D1;H2320X C(CM)-UKF320AD1;HA2320 C(CM)-UKF320ED1;HE2320X	5 ¹³ / ₆₄	154 6 ¹ / ₁₆	27 60	32 71
UK322D1;H2322X	F322D1	C(CM)-UKF322D1;H2322X	5	160	35	41
UK324D1;H2324	F324D1	C(CM)-UKF324D1;H2324	5	172	48	56
UK326D1;H2326	F326D1	C(CM)-UKF326D1;H2326	6	178	63	75
UK328D1;H2328	F328D1	C(CM)-UKF328D1;H2328	6	192	90	101

Square flanged unit, cast housing
Adapter type



Shaft dia. mm inch	Unit number ⁽¹⁾ (²)(³)	Nominal dimensions									Bolt size mm inch
		<i>L</i>	<i>J</i>	<i>A</i> ₂	<i>A</i> ₁	<i>A</i> mm inch	<i>N</i>	<i>A</i> ₀	<i>B</i> ₁	<i>F</i> min.	
20 3/4	UKFX05D1;H2305X UKFX05D1;HE2305	108 4 1/4	83 3 17/64	18 45/64	13 1/2	30 1 3/16	12 15/32	39 1 17/32	35 1.378	– –	M10 3/8
25 7/8 1	UKFX06D1;H2306X UKFX06D1;HS2306 UKFX06D1;HE2306X	117 4 19/32	92 3 5/8	19 3/4	14 9/16	34 1 11/32	16 5/8	41.5 1 41/64	38 1.496	– –	M14 1/2
30 1 1/8	UKFX07D1;H2307X UKFX07D1;HS2307	130 5 1/8	102 4 1/64	21 53/64	14 9/16	38 1 1/2	16 5/8	45.5 1 51/64	43 1.693	– –	M14 1/2
35 1 1/4 1 3/8	UKFX08D1;H2308X UKFX08D1;HE2308X UKFX08D1;HS2308X	137 5 13/32	105 4 9/64	22 55/64	14 9/16	40 1 9/16	19 3/4	47.5 1 7/8	46 1.811	46 1 13/16	M16 5/8
40 1 7/16 1 1/2 1 5/8	UKFX09D1;H2309X UKFX09D1;HA2309 UKFX09D1;HE2309X UKFX09D1;HS2309X	143 5 5/8	111 4 3/8	23 29/32	14 9/16	40 1 9/16	19 3/4	50 1 31/32	50 1.969	52 2 1/16	M16 5/8
45 1 5/8 1 11/16 1 3/4	UKFX10D1;H2310X UKFX10D1;HS2310 UKFX10D1;HA2310 UKFX10D1;HE2310X	162 6 3/8	130 5 1/8	26 1 1/32	20 25/32	44 1 23/32	19 3/4	55.5 2 3/16	55 2.165	57 2 1/4	M16 5/8
50 1 7/8 1 15/16 2	UKFX11D1;H2311X UKFX11D1;HS2311 UKFX11D1;HA2311 UKFX11D1;HE2311XY	175 6 7/8	143 5 5/8	29 1 9/64	20 25/32	49 1 15/16	19 3/4	60 2 23/64	59 2.323	64 2 17/32	M16 5/8
55 2 1/8	UKFX12D1;H2312X UKFX12D1;HS2312	187 7 3/8	149 5 55/64	34 1 11/32	21 13/16	59 2 5/16	19 3/4	67 2 21/64	62 2.441	– –	M16 5/8

Notes ⁽¹⁾ These numbers indicate relubricatable type. If maintenance free type is needed, please order without suffix "D1".
⁽²⁾ Adapter number with suffix "X" means a narrow slot type adapter sleeve.
In this case the lock washer with the straight inner prong should be used.
⁽³⁾ For HE2311XY, screw thread pitch different from the standard is applied, because of the thin thread section of sleeve.
To distinguish it, a suffix "Y" is added.
⁽⁴⁾ If the inch series housing units with dust cover are ordered with a closed end, the suffixes E, S or A are not included.
Example: CM-UKFX05D1;HE2305

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



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

Bearing number	Housing number	Unit number ⁽⁴⁾ cast dust cover type	Nominal dimensions		Mass of unit	
			mm inch		kg lb	
			t max.	A ₅	UKF	C(CM)
UKX05D1;H2305X UKX05D1;HE2305	FX05D1 FX05D1	C(CM)-UKFX05D1;H2305X C(CM)-UKFX05ED1;HE2305	2 5/64	56 2 7/32	1.1 2.4	1.3 2.9
UKX06D1;H2306X UKX06D1;HS2306 UKX06D1;HE2306X	FX06D1 FX06D1 FX06D1	C(CM)-UKFX06D1;H2306X C(CM)-UKFX06SD1;HS2306 C(CM)-UKFX06ED1;HE2306X	2 5/64	59 2 5/16	1.6 3.5	1.8 4.0
UKX07D1;H2307X UKX07D1;HS2307	FX07D1 FX07D1	C(CM)-UKFX07D1;H2307X C(CM)-UKFX07SD1;HS2307	3 1/8	66 2 19/32	2.1 4.6	2.5 5.5
UKX08D1;H2308X UKX08D1;HE2308X UKX08D1;HS2308X	FX08D1 FX08D1 FX08D1	C(CM)-UKFX08D1;H2308X C(CM)-UKFX08ED1;HE2308X C(CM)-UKFX08SD1;HS2308X	3 1/8	70 2 3/4	2.5 5.5	2.9 6.4
UKX09D1;H2309X UKX09D1;HA2309 UKX09D1;HE2309X UKX09D1;HS2309X	FX09D1 FX09D1 FX09D1 FX09D1	C(CM)-UKFX09D1;H2309X C(CM)-UKFX09AD1;HA2309 C(CM)-UKFX09ED1;HE2309X C(CM)-UKFX09SD1;HS2309X	3 1/8	73 2 7/8	2.5 5.5	3.0 6.6
UKX10D1;H2310X UKX10D1;HS2310 UKX10D1;HA2310 UKX10D1;HE2310X	FX10D1 FX10D1 FX10D1 FX10D1	C(CM)-UKFX10D1;H2310X C(CM)-UKFX10SD1;HS2310 C(CM)-UKFX10AD1;HA2310 C(CM)-UKFX10ED1;HE2310X	3 1/8	76 3	3.8 8.4	4.4 9.7
UKX11D1;H2311X UKX11D1;HS2311 UKX11D1;HA2311 UKX11D1;HE2311XY	FX11D1 FX11D1 FX11D1 FX11D1	C(CM)-UKFX11D1;H2311X C(CM)-UKFX11SD1;HS2311 C(CM)-UKFX11AD1;HA2311 C(CM)-UKFX11ED1;HE2311XY	4 5/32	86 3 3/8	4.7 10	5.4 12
UKX12D1;H2312X UKX12D1;HS2312	FX12D1 FX12D1	C(CM)-UKFX12D1;H2312X C(CM)-UKFX12SD1;HS2312	4 5/32	94 3 31/32	6.4 14	7.2 16

Square flanged unit, cast housing
Adapter type



Shaft dia.	Unit number (1)(2)	Nominal dimensions									Bolt size
		mm inch									
		<i>L</i>	<i>J</i>	<i>A</i> ₂	<i>A</i> ₁	<i>A</i>	<i>N</i>	<i>A</i> ₀	<i>B</i> ₁	<i>F</i> min.	
60 2 ³ / ₁₆ 2 ¹ / ₄ 2 ³ / ₈	UKFX13D1;H2313X UKFX13D1;HA2313 UKFX13D1;HE2313X UKFX13D1;HS2313X	187 7 ³ / ₈	149 5 ⁵⁵ / ₆₄	34 1 ¹¹ / ₃₂	21 13 ¹ / ₁₆	59 2 ⁵ / ₁₆	19 3 ³ / ₄	69 2 ²³ / ₃₂	65 2.559	– –	M16 5 ⁵ / ₈
65 2 ⁷ / ₁₆ 2 ¹ / ₂	UKFX15D1;H2315X UKFX15D1;HA2315 UKFX15D1;HE2315X	197 7 ³ / ₄	152 5 ⁶³ / ₆₄	40 1 ³⁷ / ₆₄	24 15 ¹ / ₁₆	68 2 ¹¹ / ₁₆	23 29 ¹ / ₃₂	77.5 3 ³ / ₆₄	73 2.874	– –	M20 3 ³ / ₄
70 2 ¹¹ / ₁₆ 2 ³ / ₄	UKFX16D1;H2316X UKFX16D1;HA2316 UKFX16D1;HE2316X	214 8 ⁷ / ₁₆	171 6 ⁴⁷ / ₆₄	40 1 ³⁷ / ₆₄	24 15 ¹ / ₁₆	70 2 ³ / ₄	23 29 ¹ / ₃₂	80 3 ⁵ / ₃₂	78 3.071	90 3 ¹⁷ / ₃₂	M20 3 ³ / ₄
75 2 ¹⁵ / ₁₆ 3	UKFX17D1;H2317X UKFX17D1;HA2317X UKFX17D1;HE2317X	214 8 ⁷ / ₁₆	171 6 ⁴⁷ / ₆₄	40 1 ³⁷ / ₆₄	24 15 ¹ / ₁₆	70 2 ³ / ₄	23 29 ¹ / ₃₂	81.5 3 ¹³ / ₆₄	82 3.228	95 3 ³ / ₄	M20 3 ³ / ₄
80 3 ³ / ₁₆	UKFX18D1;H2318X UKFX18D1;HA2318X	214 8 ⁷ / ₁₆	171 6 ⁴⁷ / ₆₄	45 1 ⁴⁹ / ₆₄	24 15 ¹ / ₁₆	76 3	23 29 ¹ / ₃₂	87.5 3 ⁷ / ₁₆	86 3.386	102 4 ¹ / ₃₂	M20 3 ³ / ₄
90	UKFX20D1;H2320X	268	211	59	31	97	31	107.5	97	–	M27

Notes ⁽¹⁾ These numbers indicate relubricatable type. If maintenance free type is needed, please order without suffix "D1".
⁽²⁾ Adapter number with suffix "X" means a narrow slot type adapter sleeve.
In this case the lock washer with the straight inner prong should be used.
⁽³⁾ If the inch series housing units with dust cover are ordered with a closed end, the suffixes E, S or A are not included.
Example: CM-UKFX05D1;HE2305

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



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

Bearing number	Housing number	Unit number ⁽³⁾ cast dust cover type	Nominal dimensions		Mass of unit	
			mm inch		kg lb	
			<i>t</i> max.	<i>A</i> ₅	UKF	C(CM)
UKX13D1;H2313X UKX13D1;HA2313 UKX13D1;HE2313X UKX13D1;HS2313X	FX13D1 FX13D1 FX13D1 FX13D1	C(CM)-UKFX13D1;H2313X C(CM)-UKFX13AD1;HA2313 C(CM)-UKFX13ED1;HE2313X C(CM)-UKFX13SD1;HS2313X	4 5 ⁵ / ₃₂	101 3 ³¹ / ₃₂	6.4 14	7.6 17
UKX15D1;H2315X UKX15D1;HA2315 UKX15D1;HE2315X	FX15D1 FX15D1 FX15D1	C(CM)-UKFX15D1;H2315X C(CM)-UKFX15AD1;HA2315 C(CM)-UKFX15ED1;HE2315X	4 5 ⁵ / ₃₂	112 4 ¹³ / ₃₂	8.7 19	10 22
UKX16D1;H2316X UKX16D1;HA2316 UKX16D1;HE2316X	FX16D1 FX16D1 FX16D1	C(CM)-UKFX16D1;H2316X C(CM)-UKFX16AD1;HA2316 C(CM)-UKFX16ED1;HE2316X	4 5 ⁵ / ₃₂	118 4 ²¹ / ₃₂	11 24	12 26
UKX17D1;H2317X UKX17D1;HA2317X UKX17D1;HE2317X	FX17D1 FX17D1 FX17D1	C(CM)-UKFX17D1;H2317X C(CM)-UKFX17AD1;HA2317X C(CM)-UKFX17ED1;HE2317X	5 13 ¹³ / ₆₄	122 4 ¹³ / ₁₆	12 26	14 31
UKX18D1;H2318X UKX18D1;HA2318X	FX18D1 FX18D1	C(CM)-UKFX18D1;H2318X C(CM)-UKFX18AD1;HA2318	5 13 ¹³ / ₆₄	135 5 ⁵ / ₁₆	12 26	14 31
UKX20D1;H2320X	FX20D1	C(CM)-UKFX20D1;H2320X	5	146.5	20	22

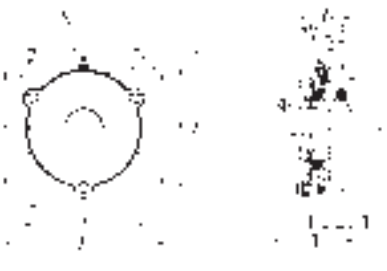
Square flanged unit, cast housing with spigot joint
Adapter type



Shaft dia.	Unit number ⁽¹⁾ (²)(³)	Nominal dimensions										Bolt size
		mm inch										
		<i>L</i>	<i>J</i>	<i>A</i> ₂	<i>N</i>	<i>A</i> ₃	<i>A</i> ₁	<i>A</i>	<i>H</i> ₃	<i>A</i> ₀	<i>B</i> ₁	
mm inch											mm inch	
20 3/4	UKFS305D1;H2305X UKFS305D1;HE2305	110 4 11/32	80 3 5/32	9 23/64	16 5/8	7 9/32	13 1/2	29 1 9/64	80 3.1496	37 1 29/64	35 1.378	M14 1/2
25 7/8 1	UKFS306D1;H2306X UKFS306D1;HS2306 UKFS306D1;HE2306X	125 4 29/32	95 3 47/64	10 25/64	16 5/8	8 5/16	15 19/32	32 1 17/64	90 3.5433	40.5 1 19/32	38 1.496	M14 1/2
30 1 1/8	UKFS307D1;H2307X UKFS307D1;HS2307	135 5 5/16	100 3 15/16	11 7/16	19 3/4	9 23/64	16 5/8	36 1 13/32	100 3.9370	45.5 1 51/64	43 1.693	M16 5/8
35 1 1/4 1 3/8	UKFS308D1;H2308X UKFS308D1;HE2308X UKFS308D1;HS2308X	150 5 29/32	112 4 13/32	13 33/64	19 3/4	10 25/64	17 21/32	40 1 9/16	115 4.5276	50 1 31/32	46 1.811	M16 5/8
40 1 7/16 1 1/2 1 5/8	UKFS309D1;H2309X UKFS309D1;HA2309 UKFS309D1;HE2309X UKFS309D1;HS2309X	160 6 5/16	125 4 59/64	14 35/64	19 3/4	11 7/16	18 23/32	44 1 47/64	125 4.9213	54.5 2 9/64	50 1.969	M16 5/8
45 1 5/8 1 11/16 1 3/4	UKFS310D1;H2310X UKFS310D1;HS2310 UKFS310D1;HA2310 UKFS310D1;HE2310X	175 6 7/8	132 5 13/64	16 5/8	23 29/32	12 15/32	19 3/4	48 1 57/64	140 5.5118	60.5 2 3/8	55 2.165	M20 3/4
50 1 7/8 1 15/16 2	UKFS311D1;H2311X UKFS311D1;HS2311 UKFS311D1;HA2311 UKFS311D1;HE2311XY	185 7 9/32	140 5 33/64	17 43/64	23 29/32	13 33/64	20 25/32	52 2 3/64	150 5.9055	64 2 33/64	59 2.323	M20 3/4
55 2 1/8	UKFS312D1;H2312X UKFS312D1;HS2312	195 7 11/16	150 5 29/32	19 3/4	23 29/32	14 35/64	22 7/8	56 2 13/64	160 6.2992	69.5 2 47/64	62 2.441	M20 3/4

Notes ⁽¹⁾ These numbers indicate relubricatable type. If maintenance free type is needed, please order without suffix "D1".
⁽²⁾ Adapter number with suffix "X" means a narrow slot type adapter sleeve.
In this case the lock washer with the straight inner prong should be used.
⁽³⁾ For HE2311XY, screw thread pitch different from the standard is applied, because of the thin thread section of sleeve.
To distinguish it, a suffix "Y" is added.
⁽⁴⁾ If the inch series housing units with dust cover are ordered with a closed end, the suffixes E, S or A are not included.
Example: CM-UKFS305D1;HE2305

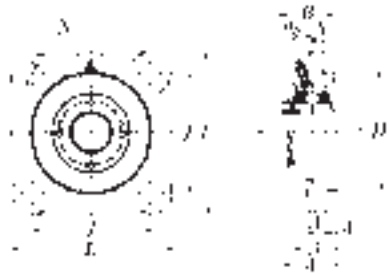
Remarks Please refer to page A21 for size of grease fitting.



Cast dust cover type
Open end C-UKFS...D1
Closed end CM-UKFS...D1

Bearing number	Housing number	Unit number ⁽¹⁾ cast dust cover type	Nominal dimensions		Mass of unit	
			mm inch		kg lb	
			t max.	A ₅	UKFS	C(CM)
UK305D1;H2305X UK305D1;HE2305	FS305D1 FS305D1	C(CM)-UKFS305D1;H2305X C(CM)-UKFS305ED1;HE2305	2 5/64	56 2 13/64	1.2 2.6	1.5 3.3
UK306D1;H2306X UK306D1;HS2306 UK306D1;HE2306X	FS306D1 FS306D1 FS306D1	C(CM)-UKFS306D1;H2306X C(CM)-UKFS306SD1;HS2306 C(CM)-UKFS306ED1;HE2306X	2 5/64	60 2 23/64	1.8 4.0	2.2 4.9
UK307D1;H2307X UK307D1;HS2307	FS307D1 FS307D1	C(CM)-UKFS307D1;H2307X C(CM)-UKFS307SD1;HS2307	3 1/8	67 2 1/64	2.3 5.1	2.9 6.4
UK308D1;H2308X UK308D1;HE2308X UK308D1;HS2308X	FS308D1 FS308D1 FS308D1	C(CM)-UKFS308D1;H2308X C(CM)-UKFS308ED1;HE2308X C(CM)-UKFS308SD1;HS2308X	3 1/8	76 2 63/64	3.2 7.1	3.7 8.2
UK309D1;H2309X UK309D1;HA2309 UK309D1;HE2309X UK309D1;HS2309X	FS309D1 FS309D1 FS309D1 FS309D1	C(CM)-UKFS309D1;H2309X C(CM)-UKFS309AD1;HA2309 C(CM)-UKFS309ED1;HE2309X C(CM)-UKFS309SD1;HS2309X	3 1/8	80 3 5/32	3.8 8.4	4.7 10
UK310D1;H2310X UK310D1;HS2310 UK310D1;HA2310 UK310D1;HE2310X	FS310D1 FS310D1 FS310D1 FS310D1	C(CM)-UKFS310D1;H2310X C(CM)-UKFS310SD1;HS2310 C(CM)-UKFS310AD1;HA2310 C(CM)-UKFS310ED1;HE2310X	3 1/8	88 3 15/32	5.1 11	6.3 14
UK311D1;H2311X UK311D1;HS2311 UK311D1;HA2311 UK311D1;HE2311XY	FS311D1 FS311D1 FS311D1 FS311D1	C(CM)-UKFS311D1;H2311X C(CM)-UKFS311SD1;HS2311 C(CM)-UKFS311AD1;HA2311 C(CM)-UKFS311ED1;HE2311XY	4 5/32	93 3 21/32	5.9 13	7.3 16
UK312D1;H2312X UK312D1;HS2312	FS312D1 FS312D1	C(CM)-UKFS312D1;H2312X C(CM)-UKFS312SD1;HS2312	4 5/32	100 3 15/16	7.0 15	8.4 19

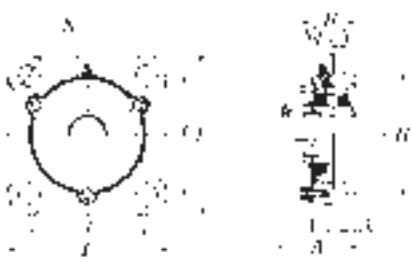
Square flanged unit, cast housing with spigot
Adapter type



Shaft dia. mm inch	Unit number ⁽¹⁾⁽²⁾	Nominal dimensions										Bolt size mm inch
		mm inch										
		<i>L</i>	<i>J</i>	<i>A</i> ₂	<i>N</i>	<i>A</i> ₃	<i>A</i> ₁	<i>A</i>	<i>H</i> ₃	<i>A</i> ₀	<i>B</i> ₁	
60 2 ³ / ₁₆ 2 ¹ / ₄ 2 ³ / ₈	UKFS313D1;H2313X UKFS313D1;HA2313 UKFS313D1;HE2313X UKFS313D1;HS2313X	208 8 ³ / ₁₆	166 6 ¹⁷ / ₃₂	15 19 ¹ / ₃₂	33 29 ¹ / ₃₂	18 45 ¹ / ₆₄	22 7 ¹ / ₈	58 2 ⁹ / ₃₂	175 6.8898	71.5 2 ¹³ / ₁₆	65 2.559	M20 3 ¹ / ₄
65 2 ⁷ / ₁₆ 2 ¹ / ₂	UKFS315D1;H2315X UKFS315D1;HA2315 UKFS315D1;HE2315X	236 9 ⁹ / ₃₂	184 7 ¹ / ₄	21 53 ¹ / ₆₄	25 63 ¹ / ₆₄	18 45 ¹ / ₆₄	25 31 ¹ / ₃₂	66 2 ¹⁹ / ₃₂	200 7.8740	81.5 3 ¹³ / ₆₄	73 2.874	M22 7 ⁷ / ₈
70 2 ¹¹ / ₁₆ 2 ³ / ₄	UKFS316D1;H2316X UKFS316D1;HA2316 UKFS316D1;HE2316X	250 9 ²⁷ / ₃₂	196 7 ²³ / ₃₂	18 45 ¹ / ₆₄	31 1 ⁷ / ₃₂	20 25 ¹ / ₃₂	27 1 ¹ / ₁₆	68 2 ⁴³ / ₆₄	210 8.2677	84 3 ⁵ / ₁₆	78 3.071	M27 1
75 2 ¹⁵ / ₁₆ 3	UKFS317D1;H2317X UKFS317D1;HA2317X UKFS317D1;HE2317X	260 10 ¹ / ₄	204 8 ¹ / ₃₂	24 15 ¹ / ₁₆	31 1 ⁷ / ₃₂	20 25 ¹ / ₃₂	27 1 ¹ / ₁₆	74 2 ²⁹ / ₃₂	220 8.6614	92 3 ⁵ / ₈	82 3.228	M27 1
80 3 ³ / ₁₆	UKFS318D1;H2318X UKFS318D1;HA2318X	280 11 ¹ / ₃₂	216 8 ¹ / ₂	24 15 ¹ / ₁₆	35 1 ³ / ₈	20 25 ¹ / ₃₂	30 1 ³ / ₁₆	76 2 ⁶³ / ₆₄	240 9.4488	94 3 ⁴⁵ / ₆₄	86 3.386	M30 1 ¹ / ₈
85 3 ¹ / ₄	UKFS319D1;H2319X UKFS319D1;HE2319X	290 11 ¹³ / ₃₂	228 8 ³¹ / ₃₂	39 1 ¹⁷ / ₃₂	35 1 ³ / ₈	20 25 ¹ / ₃₂	30 1 ³ / ₁₆	94 3 ⁴⁵ / ₆₄	250 9.8425	111.5 4 ²⁵ / ₆₄	90 3.543	M30 1 ¹ / ₈
90 3 ⁷ / ₁₆ 3 ¹ / ₂	UKFS320D1;H2320X UKFS320D1;HA2320 UKFS320D1;HE2320X	310 12 ⁷ / ₃₂	242 9 ¹⁷ / ₃₂	39 1 ¹⁷ / ₃₂	38 1 ¹ / ₂	20 25 ¹ / ₃₂	32 1 ¹ / ₄	94 3 ⁴⁵ / ₆₄	260 10.2362	115.5 4 ³⁵ / ₆₄	97 3.819	M33 1 ¹ / ₄
100	UKFS322D1;H2322X	340	266	35	41	25	35	96	300	121	105	M36
110	UKFS324D1;H2324	370	290	35	41	30	40	110	330	130	112	M36
115	UKFS326D1;H2326	410	320	35	41	30	45	115	360	133	121	M36
125	UKFS328D1;H2328	450	350	45	41	30	55	125	400	146.5	131	M36

Notes ⁽¹⁾ These numbers indicate relubricatable type. If maintenance free type is needed, please order without suffix "D1".
⁽²⁾ Adapter number with suffix "X" means a narrow slot type adapter sleeve.
In this case the lock washer with the straight inner prong should be used.
⁽³⁾ If the inch series housing units with dust cover are ordered with a closed end, the suffixes E, S or A are not included.
Example: CM-UKFS305D1;HE2305

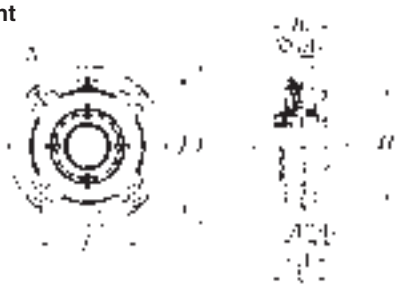
Remarks Please refer to page A21 for size of grease fitting.



Cast dust cover type
Open end C-UKFS...D1
Closed end CM-UKFS...D1

Bearing number	Housing number	Unit number ⁽²⁾ cast dust cover type	Nominal dimensions		Mass of unit	
			mm inch		kg lb	
			t max.	A ₅	UKFS	C(CM)
UK313D1;H2313X UK313D1;HA2313 UK313D1;HE2313X UK313D1;HS2313X	FS313D1 FS313D1 FS313D1 FS313D1	C(CM)-UKFS313D1;H2313X C(CM)-UKFS313AD1;HA2313 C(CM)-UKFS313ED1;HE2313X C(CM)-UKFS313SD1;HS2313X	4 5 ¹ / ₃₂	103 4 ¹ / ₁₆	8.4 19	10 22
UK315D1;H2315X UK315D1;HA2315 UK315D1;HE2315X	FS315D1 FS315D1 FS315D1	C(CM)-UKFS315D1;H2315X C(CM)-UKFS315AD1;HA2315 C(CM)-UKFS315ED1;HE2315X	4 5 ¹ / ₃₂	114 4 ³¹ / ₆₄	12 26	14 31
UK316D1;H2316X UK316D1;HA2316 UK316D1;HE2316X	FS316D1 FS316D1 FS316D1	C(CM)-UKFS316D1;H2316X C(CM)-UKFS316AD1;HA2316 C(CM)-UKFS316ED1;HE2316X	4 5 ¹ / ₃₂	116 4 ⁹ / ₁₆	15 33	17 37
UK317D1;H2317X UK317D1;HA2317X UK317D1;HE2317X	FS317D1 FS317D1 FS317D1	C(CM)-UKFS317D1;H2317X C(CM)-UKFS317AD1;HA2317X C(CM)-UKFS317ED1;HE2317X	5 13 ¹ / ₆₄	129 5 ⁵ / ₆₄	17 37	20 44
UK318D1;H2318X UK318D1;HA2318X	FS318D1 FS318D1	C(CM)-UKFS318D1;H2318X C(CM)-UKFS318AD1;HA2318X	5 13 ¹ / ₆₄	129 5 ⁵ / ₆₄	21 46	24 53
UK319D1;H2319X UK319D1;HE2319X	FS319D1 FS319D1	C(CM)-UKFS319D1;H2319X C(CM)-UKFS319ED1;HE2319X	5 13 ¹ / ₆₄	149 5 ⁵⁵ / ₆₄	24 53	29 64
UK320D1;H2320X UK320D1;HA2320 UK320D1;HE2320X	FS320D1 FS320D1 FS320D1	C(CM)-UKFS320D1;H2320X C(CM)-UKFS320AD1;HA2320 C(CM)-UKFS320ED1;HE2320X	5 13 ¹ / ₆₄	154 6 ¹ / ₁₆	29 64	34 75
UK322D1;H2322X	FS322D1	C(CM)-UKFS322D1;H2322X	5	160	38	46
UK324D1;H2324	FS324D1	C(CM)-UKFS324D1;H2324	5	172	51	59
UK326D1;H2326	FS326D1	C(CM)-UKFS326D1;H2326	6	178	69	79
UK328D1;H2328	FS328D1	C(CM)-UKFS328D1;H2328	6	192	98	110

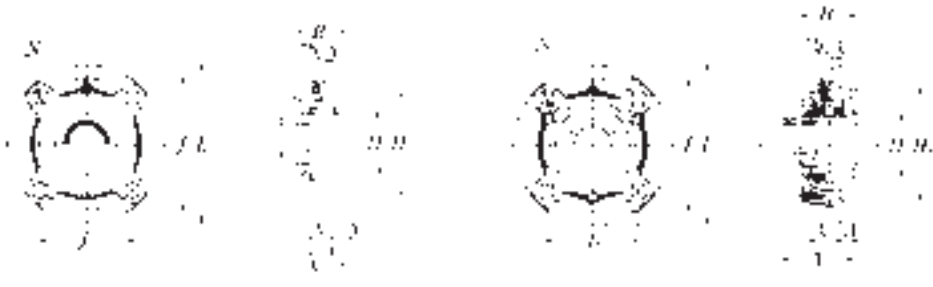
Round flanged unit, cast housing with spigot joint
Adapter type



Shaft dia.	Unit number ⁽¹⁾⁽²⁾⁽³⁾	Nominal dimensions													Bolt size	Bearing number
		mm inch														
		L	J	(J ₁)	A ₂	N	A ₃	A ₁	A	H ₃	A ₀	B ₁	F min.			
mm inch													mm inch			
20	UKFC205D1;H2305X UKFC205D1;HE2305	115 4 ¹⁷ / ₃₂	90 3 ³⁵ / ₆₄	63.6 2 ¹ / ₂	10 25 ²⁵ / ₆₄	12 15 ¹⁵ / ₃₂	6 15 ¹⁵ / ₆₄	21 13 ¹³ / ₁₆	27 1 ¹ / ₁₆	70 2.7559	35.5 1 ²⁵ / ₆₄	35 1.378	30 1 ³ / ₁₆	M10 3 ³ / ₈	UK205D1;H2305X UK205D1;HE2305	
25	UKFC206D1;H2306X UKFC206D1;HS2306 UKFC206D1;HE2306X	125 4 ²⁹ / ₃₂	100 3 ¹⁵ / ₁₆	70.7 2 ²⁵ / ₃₂	10 25 ²⁵ / ₆₄	12 15 ¹⁵ / ₃₂	8 5 ⁵ / ₁₆	23 29 ²⁹ / ₃₂	31 1 ⁷ / ₃₂	80 3.1496	39 1 ¹⁷ / ₃₂	38 1.496	36 1 ¹³ / ₃₂	M10 3 ³ / ₈	UK206D1;H2306X UK206D1;HS2306 UK206D1;HE2306X	
30	UKFC207D1;H2307X UKFC207D1;HS2307	135 5 ⁵ / ₁₆	110 4 ²¹ / ₆₄	77.8 3 ¹ / ₁₆	11 7 ⁷ / ₁₆	14 35 ³⁵ / ₆₄	8 5 ⁵ / ₁₆	26 1 ¹ / ₃₂	34 1 ¹¹ / ₃₂	90 3.5433	42.5 1 ⁴³ / ₆₄	43 1.693	40 1 ⁹ / ₁₆	M12 7 ⁷ / ₁₆	UK207D1;H2307X UK207D1;HS2307	
35	UKFC208D1;H2308X UKFC208D1;HE2308X UKFC208D1;HS2308X	145 5 ²³ / ₃₂	120 4 ²³ / ₃₂	84.9 3 ¹¹ / ₃₂	11 7 ⁷ / ₁₆	14 35 ³⁵ / ₆₄	10 25 ²⁵ / ₆₄	26 1 ¹ / ₃₂	36 1 ²⁷ / ₆₄	100 3.9370	46.5 1 ⁵³ / ₆₄	46 1.811	46 1 ¹³ / ₁₆	M12 7 ⁷ / ₁₆	UK208D1;H2308X UK208D1;HE2308X UK208D1;HS2308X	
40	UKFC209D1;H2309X UKFC209D1;HA2309 UKFC209D1;HE2309X UKFC209D1;HS2309X	160 6 ⁵ / ₁₆	132 5 ¹³ / ₆₄	93.3 3 ⁴³ / ₆₄	10 25 ²⁵ / ₆₄	16 5 ⁵ / ₈	12 15 ¹⁵ / ₃₂	26 1 ¹ / ₃₂	38 1 ¹ / ₂	105 4.1339	48.5 1 ²⁹ / ₃₂	50 1.969	52 2 ¹ / ₁₆	M14 1 ¹ / ₂	UK209D1;H2309X UK209D1;HA2309 UK209D1;HE2309X UK209D1;HS2309X	
45	UKFC210D1;H2310X UKFC210D1;HS2310 UKFC210D1;HA2310 UKFC210D1;HE2310X	165 6 ¹ / ₂	138 5 ⁷ / ₁₆	97.6 3 ²⁷ / ₃₂	10 25 ²⁵ / ₆₄	16 5 ⁵ / ₈	12 15 ¹⁵ / ₃₂	28 1 ³ / ₃₂	40 1 ³⁷ / ₆₄	110 4.3307	50 1 ³¹ / ₃₂	55 2.165	57 2 ¹ / ₄	M14 1 ¹ / ₂	UK210D1;H2310X UK210D1;HS2310 UK210D1;HA2310 UK210D1;HE2310X	
50	UKFC211D1;H2311X UKFC211D1;HS2311 UKFC211D1;HA2311 UKFC211D1;HE2311XY	185 7 ⁹ / ₃₂	150 5 ²⁹ / ₃₂	106.1 4 ¹¹ / ₆₄	13 33 ³³ / ₆₄	19 3 ³ / ₄	12 15 ¹⁵ / ₃₂	31 1 ⁷ / ₃₂	43 1 ¹¹ / ₁₆	125 4.9213	54.5 2 ⁹ / ₆₄	59 2.323	64 2 ¹⁷ / ₃₂	M16 5 ⁵ / ₈	UK211D1;H2311X UK211D1;HS2311 UK211D1;HA2311 UK211D1;HE2311XY	
55	UKFC212D1;H2312X UKFC212D1;HS2312	195 7 ¹¹ / ₁₆	160 6 ¹⁹ / ₆₄	113.1 4 ²⁹ / ₆₄	17 43 ⁴³ / ₆₄	19 3 ³ / ₄	12 15 ¹⁵ / ₃₂	36 1 ¹³ / ₃₂	48 1 ⁵⁷ / ₆₄	135 5.3150	61 2 ¹³ / ₃₂	62 2.441	69 2 ²³ / ₃₂	M16 5 ⁵ / ₈	UK212D1;H2312X UK212D1;HS2312	

- Notes ⁽¹⁾ These numbers indicate relubricatable type. If maintenance free type is needed, please order without suffix "D1".
⁽²⁾ Adapter number with suffix "X" means a narrow slot type adapter sleeve.
In this case the lock washer with the straight inner prong should be used.
⁽³⁾ For HE2311XY, screw thread pitch different from the standard is applied, because of the thin thread section of sleeve.
To distinguish it, a suffix "Y" is added.
⁽⁴⁾ If the inch series housing units with dust cover are ordered with a closed end, the suffixes E, S or A are not included.
Example: ZM-UKFC205D1;HE2305

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



Pressed steel dust cover type
Open end Z-UKFC...D1
Closed end ZM-UKFC...D1

Cast dust cover type
Open end C-UKFC...D1
Closed end CM-UKFC...D1

Housing number	Unit number ⁽⁴⁾ pressed steel dust cover type	Unit number ⁽⁴⁾ cast dust cover type	Nominal dimensions				Mass of unit		
			mm inch				kg lb		
			t max.	A ₄	A _{1c}	A ₅	UKFC	Z(ZM)	C(CM)
FC205D1 FC205D1	Z(ZM)-UKFC205D1;H2305X Z(ZM)-UKFC205ED1;HE2305	C(CM)-UKFC205D1;H2305X C(CM)-UKFC205ED1;HE2305	2 5/64	40 1 19/32	22 7/8	51 2	1.0 2.2	1.1 2.4	1.2 2.6
FC206D1 FC206D1 FC206D1	Z(ZM)-UKFC206D1;H2306X Z(ZM)-UKFC206SD1;HS2306 Z(ZM)-UKFC206ED1;HE2306X	C(CM)-UKFC206D1;H2306X C(CM)-UKFC206SD1;HS2306 C(CM)-UKFC206ED1;HE2306X	2 5/64	45 1 3/4	24.5 31/32	56 2 19/64	1.3 2.9	1.4 3.1	1.7 3.7
FC207D1 FC207D1	Z(ZM)-UKFC207D1;H2307X Z(ZM)-UKFC207SD1;HS2307	C(CM)-UKFC207D1;H2307X C(CM)-UKFC207SD1;HS2307	3 1/8	49 1 15/16	26 1 1/32	59 2 21/64	1.7 3.7	1.8 4.0	2.0 4.4
FC208D1 FC208D1 FC208D1	Z(ZM)-UKFC208D1;H2308X Z(ZM)-UKFC208ED1;HE2308X Z(ZM)-UKFC208SD1;HS2308X	C(CM)-UKFC208D1;H2308X C(CM)-UKFC208ED1;HE2308X C(CM)-UKFC208SD1;HS2308X	3 1/8	56 2 3/16	27.5 1 5/64	66 2 19/32	2.1 4.6	2.2 4.9	2.6 5.7
FC209D1 FC209D1 FC209D1 FC209D1	Z(ZM)-UKFC209D1;H2309X Z(ZM)-UKFC209AD1;HA2309 Z(ZM)-UKFC209ED1;HE2309X Z(ZM)-UKFC209SD1;HS2309X	C(CM)-UKFC209D1;H2309X C(CM)-UKFC209AD1;HA2309 C(CM)-UKFC209ED1;HE2309X C(CM)-UKFC209SD1;HS2309X	3 1/8	57 2 1/4	28 1 7/64	70 2 3/4	2.8 6.2	2.9 6.4	3.4 7.5
FC210D1 FC210D1 FC210D1 FC210D1	Z(ZM)-UKFC210D1;H2310X Z(ZM)-UKFC210SD1;HS2310 Z(ZM)-UKFC210AD1;HA2310 Z(ZM)-UKFC210ED1;HE2310X	C(CM)-UKFC210D1;H2310X C(CM)-UKFC210SD1;HS2310 C(CM)-UKFC210AD1;HA2310 C(CM)-UKFC210ED1;HE2310X	3 1/8	60 2 3/8	29 3 3/8	72 2 59/64	3.1 6.8	3.3 7.3	4.8 11
FC211D1 FC211D1 FC211D1 FC211D1	Z(ZM)-UKFC211D1;H2311X Z(ZM)-UKFC211SD1;HS2311 Z(ZM)-UKFC211AD1;HA2311 Z(ZM)-UKFC211ED1;HE2311XY	C(CM)-UKFC211D1;H2311X C(CM)-UKFC211SD1;HS2311 C(CM)-UKFC211AD1;HA2311 C(CM)-UKFC211ED1;HE2311XY	4 5/32	64 2 1/2	32.5 3 3/8	75 2 61/64	4.2 9.3	4.4 9.7	5.1 11
FC212D1 FC212D1	Z(ZM)-UKFC212D1;H2312X Z(ZM)-UKFC212SD1;HS2312	C(CM)-UKFC212D1;H2312X C(CM)-UKFC212SD1;HS2312	4 5/32	74 2 29/32	38 3 3/8	86 3 25/64	5.0 11	5.2 11	6.1 13

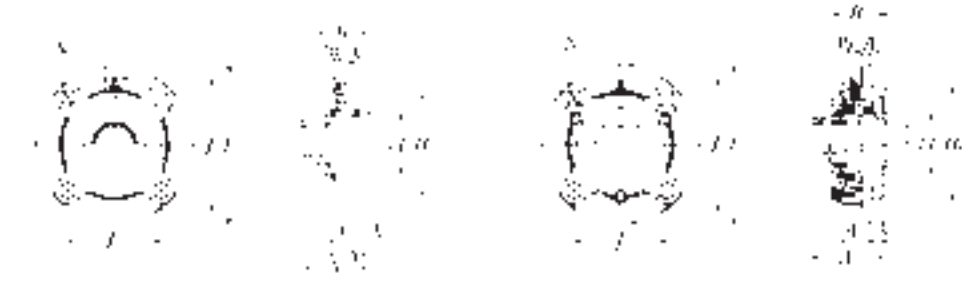
Round flanged unit, cast housing with spigot joint
Adapter type



Shaft dia.	Unit number ⁽¹⁾⁽²⁾	Nominal dimensions													Bolt size	Bearing number
		mm inch														
		L	J	(J ₁)	A ₂	N	A ₃	A ₁	A	H ₃	A ₀	B ₁	F min.	mm inch		
60	UKFC213D1;H2313X 2 ³ / ₁₆ 2 ¹ / ₄ 2 ³ / ₈	UKFC213D1;HA2313 UKFC213D1;HE2313X UKFC213D1;HS2313X	205	170	120.2	16	19	14	36	50	145	64	65	74	M16	UK213D1;H2313X UK213D1;HA2313 UK213D1;HE2313X UK213D1;HS2313X
65	UKFC215D1;H2315X 2 ⁷ / ₁₆ 2 ¹ / ₂	UKFC215D1;HA2315 UKFC215D1;HE2315X	220	184	130.1	18	19	16	40	56	160	71	73	84	M16	UK215D1;H2315X UK215D1;HA2315 UK215D1;HE2315X
70	UKFC216D1;H2316X 2 ¹¹ / ₁₆ 2 ³ / ₄	UKFC216D1;HA2316 UKFC216D1;HE2316X	240	200	141.4	18	23	16	42	58	170	73.5	78	90	M20	UK216D1;H2316X UK216D1;HA2316 UK216D1;HE2316X
75	UKFC217D1;H2317X 2 ¹⁵ / ₁₆ 3	UKFC217D1;HA2317X UKFC217D1;HE2317X	250	208	147.1	18	23	18	45	63	180	77	82	95	M20	UK217D1;H2317X UK217D1;HA2317X UK217D1;HE2317X
80	UKFC218D1;H2318X 3 ³ / ₁₆	UKFC218D1;HA2318X	265	220	155.6	22	23	18	50	68	190	81.5	86	102	M20	UK218D1;H2318X UK218D1;HA2318X

Notes ⁽¹⁾ These numbers indicate relubricatable type. If maintenance free type is needed, please order without suffix "D1".
⁽²⁾ Adapter number with suffix "X" means a narrow slot type adapter sleeve.
In this case the lock washer with the straight inner prong should be used.
⁽³⁾ If the inch series housing units with dust cover are ordered with a closed end, the suffixes E, S or A are not included.
Example: ZM-UKFC205D1;HE2305

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



Pressed steel dust cover type
Open end Z-UKFC...D1
Closed end ZM-UKFC...D1

Cast dust cover type
Open end C-UKFC...D1
Closed end CM-UKFC...D1

Housing number	Unit number ⁽³⁾ pressed steel dust cover type	Unit number ⁽³⁾ cast dust cover type	Nominal dimensions				Mass of unit		
			mm inch				kg lb		
			t max.	A ₄	A _{1c}	A ₅	UKFC	Z(ZM)	C(CM)
FC213D1	Z(ZM)-UKFC213D1;H2313X	C(CM)-UKFC213D1;H2313X	4	76	38	89.5	6.0	6.1	7.1
FC213D1	Z(ZM)-UKFC213AD1;HA2313	C(CM)-UKFC213AD1;HA2313							
FC213D1	Z(ZM)-UKFC213ED1;HE2313X	C(CM)-UKFC213ED1;HE2313X	$\frac{5}{32}$	3	$3\frac{3}{8}$	$3\frac{17}{32}$	13	13	16
FC213D1	Z(ZM)-UKFC213SD1;HS2313X	C(CM)-UKFC213SD1;HS2313X							
FC215D1	—	C(CM)-UKFC215D1;H2315X	4	—	43	102	7.7	—	9.3
FC215D1	—	C(CM)-UKFC215AD1;HA2315							
FC215D1	—	C(CM)-UKFC215ED1;HE2315X	$\frac{5}{32}$	—	$1\frac{11}{16}$	$4\frac{1}{64}$	17	—	21
FC216D1	—	C(CM)-UKFC216D1;H2316X	4	—	43	106	9.5	—	11
FC216D1	—	C(CM)-UKFC216AD1;HA2316							
FC216D1	—	C(CM)-UKFC216ED1;HE2316X	$\frac{5}{32}$	—	$1\frac{11}{16}$	$4\frac{11}{64}$	21	—	24
FC217D1	—	C(CM)-UKFC217D1;H2317X	5	—	45.5	114	11	—	13
FC217D1	—	C(CM)-UKFC217AD1;HA2317X							
FC217D1	—	C(CM)-UKFC217ED1;HE2317X	$1\frac{3}{8}$	—	$1\frac{51}{64}$	$4\frac{31}{64}$	24	—	29
FC218D1	—	C(CM)-UKFC218D1;H2318X	5	—	50	122	13	—	15
FC218D1	—	C(CM)-UKFC218AD1;HA2318X	$1\frac{3}{8}$	—	$1\frac{31}{32}$	$4\frac{51}{64}$	29	—	33

Round flanged unit, cast housing with spigot joint
Adapter type



Shaft dia. mm inch	Unit number ⁽¹⁾ (²)(³)	Nominal dimensions											
		mm inch											
		L	J	(J ₁)	A ₂	N	A ₃	A ₁	A	H ₃	A ₀	B ₁	F min.
20 3/4	UKFCX05D1;H2305X UKFCX05D1;HE2305	111 4 3/8	92 3 5/8	65.1 2 9/16	10 25/64	9.5 3/8	6 1/4	24 15/16	30 1 3/16	76 2.9921	37 1 29/64	35 1.378	30 1 3/16
25 7/8 1	UKFCX06D1;H2306X UKFCX06D1;HS2306 UKFCX06D1;HE2306X	127 5	105 4 9/64	74.2 2 59/64	8 5/16	12 15/32	9.5 3/8	22.5 7/8	32 1 17/64	85 3.3465	40 1 37/64	38 1.496	36 1 13/32
30 1 1/8	UKFCX07D1;H2307X UKFCX07D1;HS2307	133 5 1/4	111 4 3/8	78.5 3 3/32	9 23/64	12 15/32	11 7/16	26 1 1/32	37 1 29/64	92 3.6220	44.5 1 3/4	43 1.693	40 1 9/16
35 1 1/4 1 3/8	UKFCX08D1;H2308X UKFCX08D1;HE2308X UKFCX08D1;HS2308X	133 5 1/4	111 4 3/8	78.5 3 3/32	9 23/64	12 15/32	11 7/16	26 1 1/32	37 1 29/64	92 3.6220	45.5 1 51/64	46 1.811	46 1 13/16
40 1 7/16 1 1/2 1 5/8	UKFCX09D1;H2309X UKFCX09D1;HA2309 UKFCX09D1;HE2309X UKFCX09D1;HS2309X	155 6 3/32	130 5 1/8	91.9 3 5/8	8 5/16	14 35/64	12 15/32	25 31/32	37 1 29/64	108 4.2520	47 1 27/32	50 1.969	52 2 1/16
45 1 5/8 1 11/16 1 3/4	UKFCX10D1;H2310X UKFCX10D1;HS2310 UKFCX10D1;HA2310 UKFCX10D1;HE2310X	162 6 3/8	136 5 23/64	96.2 3 25/32	7 9/32	14 35/64	16 5/8	25 31/32	41 1 39/64	118 4.6457	52.5 2 1/16	55 2.165	57 2 1/4
50 1 7/8 1 15/16 2	UKFCX11D1;H2311X UKFCX11D1;HS2311 UKFCX11D1;HA2311 UKFCX11D1;HE2311XY	180 7 9/32	152 5 63/64	107.5 4 15/64	4 5/32	16 5/8	22 55/64	26 1 1/32	48 1 57/64	127 5.0000	57 2 1/4	59 2.323	64 2 17/32
55 2 1/8	UKFCX12D1;H2312X UKFCX12D1;HS2312	194 7 5/8	165 6 1/2	116.7 4 19/32	11 7/16	16 5/8	20 25/32	33 1 5/16	53 2 5/64	140 5.5118	64 2 33/64	62 2.441	69 2 23/32

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

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

Bolt size	Bearing number	Housing number	Mass of unit
mm inch			kg lb
M8 5/16	UKX05D1;H2305X UKX05D1;HE2305	FCX05D1 FCX05D1	1.2 2.6
M10 5/8	UKX06D1;H2306X UKX06D1;HS2306 UKX06D1;HE2306X	FCX06D1 FCX06D1 FCX06D1	1.5 3.3
M10 3/8	UKX07D1;H2307X UKX07D1;HS2307	FCX07D1 FCX07D1	1.9 4.2
M10 3/8	UKX08D1;H2308X UKX08D1;HE2308X UKX08D1;HS2308X	FCX08D1 FCX08D1 FCX08D1	2.2 4.9
M12 7/16	UKX09D1;H2309X UKX09D1;HA2309 UKX09D1;HE2309X UKX09D1;HS2309X	FCX09D1 FCX09D1 FCX09D1 FCX09D1	2.7 6.0
M12 7/16	UKX10D1;H2310X UKX10D1;HS2310 UKX10D1;HA2310 UKX10D1;HE2310X	FCX10D1 FCX10D1 FCX10D1 FCX10D1	3.1 6.8
M14 1/2	UKX11D1;H2311X UKX11D1;HS2311 UKX11D1;HA2311 UKX11D1;HE2311XY	FCX11D1 FCX11D1 FCX11D1 FCX11D1	4.2 9.3
M14 1/2	UKX12D1;H2312X UKX12D1;HS2312	FCX12D1 FCX12D1	5.5 12

Round flanged unit, cast housing with spigot joint
Adapter type



Shaft dia.	Unit number ⁽¹⁾ (²)	Nominal dimensions											
		mm inch											
		L	J	(J ₁)	A ₂	N	A ₃	A ₁	A	H ₃	A ₀	B ₁	F min.
60	UKFCX13D1;H2313X UKFCX13D1;HA2313 UKFCX13D1;HE2313X UKFCX13D1;HS2313X	194	165	116.7	11	16	20	33	53	140	66	65	74
2 ³ / ₁₆ 2 ¹ / ₄ 2 ³ / ₈		7 ⁵ / ₈	6 ¹ / ₂	4 ¹⁹ / ₃₂	7 ¹ / ₁₆	5 ⁵ / ₈	25 ²⁵ / ₃₂	1 ⁵ / ₁₆	2 ⁵ / ₆₄	5.5118	2 ¹⁹ / ₃₂	2.559	2 ²⁹ / ₃₂
65	UKFCX15D1;H2315X UKFCX15D1;HA2315 UKFCX15D1;HE2315X	222	190	134.4	12	19	22	35	57	164	71.5	73	84
2 ⁷ / ₁₆ 2 ¹ / ₂		8 ³ / ₄	7 ³¹ / ₆₄	5 ⁹ / ₃₂	15 ¹⁵ / ₃₂	3 ³ / ₄	55 ⁵⁵ / ₆₄	1 ³ / ₈	2 ¹ / ₄	6.4567	2 ¹³ / ₁₆	2.874	3 ⁵ / ₁₆
70	UKFCX16D1;H2316X UKFCX16D1;HA2316 UKFCX16D1;HE2316X	260	219	154.9	10	23	25	36	61	186	75	78	90
2 ¹¹ / ₁₆ 2 ³ / ₄		10 ¹ / ₄	8 ⁵ / ₈	6 ³ / ₃₂	25 ²⁵ / ₆₄	29 ²⁹ / ₃₂	63 ⁶³ / ₆₄	1 ¹³ / ₃₂	2 ¹³ / ₃₂	7.3228	2 ⁶¹ / ₆₄	3.071	3 ¹⁷ / ₃₂
75	UKFCX17D1;H2317X UKFCX17D1;HA2317X UKFCX17D1;HE2317X	260	219	154.9	10	23	25	36	61	186	76.5	82	95
2 ¹⁵ / ₁₆ 3		10 ¹ / ₄	8 ⁵ / ₈	6 ³ / ₃₂	25 ²⁵ / ₆₄	29 ²⁹ / ₃₂	63 ⁶³ / ₆₄	1 ¹³ / ₃₂	2 ¹³ / ₃₂	7.3228	3 ¹ / ₆₄	3.228	3 ³ / ₄
80	UKFCX18D1;H2318X UKFCX18D1;HA2318X	260	219	154.9	12	23	28	43	71	186	82.5	86	102
3 ³ / ₁₆		10 ¹ / ₄	8 ⁵ / ₈	6 ³ / ₃₂	15 ¹⁵ / ₃₂	29 ²⁹ / ₃₂	1 ⁷ / ₆₄	1 ¹¹ / ₁₆	2 ⁵¹ / ₆₄	7.3228	3 ¹ / ₄	3.386	4 ¹ / ₃₂
90	UKFCX20D1;H2320X	276	238	168.3	22	23	28	66	94	206	98.5	97	112

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

Bolt size	Bearing number	Housing number	Mass of unit
mm inch			kg lb
M14	UKX13D1;H2313X UKX13D1;HA2313 UKX13D1;HE2313X UKX15D1;HS2313X	FCX13D1 FCX13D1 FCX13D1 FCX13D1	5.4 12
M16	UKX15D1;H2315X UKX15D1;HA2315 UKX15D1;HE2315X	FCX15D1 FCX15D1 FCX15D1	8.2 18
M20	UKX16D1;H2316X UKX16D1;HA2316 UKX16D1;HE2316X	FCX16D1 FCX16D1 FCX16D1	12 26
M20	UKX17D1;H2317X UKX17D1;HA2317X UKX17D1;HE2317X	FCX17D1 FCX17D1 FCX17D1	12 26
M20	UKX18D1;H2318X UKX18D1;HA2318X	FCX18D1 FCX18D1	12 26
M20	UKX20D1;H2320X	FCX20D1	18

Rhombus flanged unit, cast housing Adapter type



Pressed steel dust cover type
Open end **Z-UKFL...D1**
Closed end **ZM-UKFL...D1**

Shaft dia. mm inch	Unit number ⁽¹⁾ (²)(³)	Nominal dimensions										Bolt size mm inch	Bearing number
		<i>H</i>	<i>J</i>	<i>A</i> ₂	<i>A</i> ₁	<i>A</i> mm	<i>N</i> inch	<i>L</i>	<i>A</i> ₀	<i>B</i> ₁	<i>F</i> min.		
20 3/4	UKFL205D1;H2305X UKFL205D1;HE2305	130 5 1/8	99 3 57/64	16 5/8	13 1/2	27 1 1/16	16 5/8	68 2 11/16	35.5 1 25/64	35 1.378	30 1 3/16	M14 1/2	UK205D1;H2305X UK205D1;HE2305
25 7/8 1	UKFL206D1;H2306X UKFL206D1;HS2306 UKFL206D1;HE2306X	148 5 13/16	117 4 39/64	18 45/64	13 1/2	31 1 7/32	16 5/8	80 3 3/32	39 1 17/32	38 1.496	36 1 13/32	M14 1/2	UK206D1;H2306X UK206D1;HS2306 UK206D1;HE2306X
30 1 1/8	UKFL207D1;H2307X UKFL207D1;HS2307	161 6 11/32	130 5 1/8	19 3/4	15 19/32	34 1 11/32	16 5/8	90 3 17/32	42.5 1 43/64	43 1.693	40 1 9/16	M14 1/2	UK207D1;H2307X UK207D1;HS2307
35 1 1/4 1 3/8	UKFL208D1;H2308X UKFL208D1;HE2308X UKFL208D1;HS2308X	175 6 7/8	144 5 43/64	21 53/64	15 19/32	36 1 13/32	16 5/8	100 3 15/16	46.5 1 53/64	46 1.811	46 1 13/16	M14 1/2	UK208D1;H2308X UK208D1;HE2308X UK208D1;HS2308X
40 1 7/16 1 1/2 1 5/8	UKFL209D1;H2309X UKFL209D1;HA2309 UKFL209D1;HE2309X UKFL209D1;HS2309X	188 7 13/32	148 5 53/64	22 55/64	16 5/8	38 1 1/2	19 3/4	108 4 1/4	48.5 1 29/32	50 1.969	52 2 1/16	M16 5/8	UK209D1;H2309X UK209D1;HA2309 UK209D1;HE2309X UK209D1;HS2309X
45 1 5/8 1 11/16 1 3/4	UKFL210D1;H2310X UKFL210D1;HS2310 UKFL210D1;HA2310 UKFL210D1;HE2310X	197 7 3/4	157 6 3/16	22 55/64	16 5/8	40 1 9/16	19 3/4	115 4 17/32	50 1 31/32	55 2.165	57 2 1/4	M16 5/8	UK210D1;H2310X UK210D1;HS2310 UK210D1;HA2310 UK210D1;HE2310X
50 1 7/8 1 15/16 2	UKFL211D1;H2311X UKFL211D1;HS2311 UKFL211D1;HA2311 UKFL211D1;HE2311XY	224 8 13/16	184 7 1/4	25 63/64	18 23/32	43 1 11/16	19 3/4	130 5 1/8	54.5 2 9/64	59 2.323	64 2 17/32	M16 5/8	UK211D1;H2311X UK211D1;HS2311 UK211D1;HA2311 UK211D1;HE2311XY
55 2 1/8	UKFL212D1;H2312X UKFL212D1;HS2312	250 9 27/32	202 7 61/64	29 1 9/64	18 23/32	48 1 7/8	23 29/32	140 5 1/2	61 2 13/32	62 2.441	69 2 23/32	M20 3/4	UK212D1;H2312X UK212D1;HS2312

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

⁽²⁾ Adapter number with suffix "X" means a narrow slot type adapter sleeve.

In this case the lock washer with the straight inner prong should be used.

⁽³⁾ For HE2311XY, screw thread pitch different from the standard is applied, because of the thin thread section of sleeve. To distinguish it, a suffix "Y" is added.

⁽⁴⁾ If the inch series housing units with dust cover are ordered with a closed end, the suffixes E, S or A are not included. Example: ZM-UKFL205D1;HE2305

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



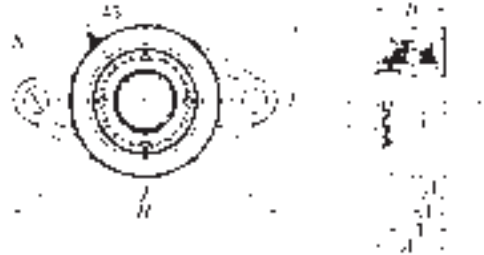
Cast dust cover type
Open end **C-UKFL...D1**
Closed end **CM-UKFL...D1**

Housing number	Unit number ⁽¹⁾ pressed steel dust cover type	Unit number ⁽¹⁾ cast dust cover type	Nominal dimensions					Mass of unit		
			mm inch					kg lb		
			t max.	A ₄	A ₅	L ₁	L ₂	UKFL	Z(ZM)	C(CM)
FL205D1	Z(ZM)-UKFL205D1;H2305X	C(CM)-UKFL205D1;H2305X	2 5/64	40 1 19/32	51 2	74 2 29/32	34 1 11/32	0.6 1.3	0.7 1.5	0.8 1.8
FL205D1	Z(ZM)-UKFL205ED1;HE2305	C(CM)-UKFL205ED1;HE2305								
FL206D1	Z(ZM)-UKFL206D1;H2306X	C(CM)-UKFL206D1;H2306X	2 5/64	45 1 3/4	56 2 7/32	85 3 11/32	40 1 9/16	0.9 2.0	1.0 2.2	1.2 2.9
FL206D1	Z(ZM)-UKFL206SD1;HS2306	C(CM)-UKFL206SD1;HS2306								
FL206D1	Z(ZM)-UKFL206ED1;HE2306X	C(CM)-UKFL206ED1;HE2306X								
FL207D1	Z(ZM)-UKFL207D1;H2307X	C(CM)-UKFL207D1;H2307X	3 1/8	49 1 15/16	59 2 5/16	97 3 13/16	45 1 25/32	1.3 2.9	1.3 2.9	1.6 3.5
FL207D1	Z(ZM)-UKFL207SD1;HS2307	C(CM)-UKFL207SD1;HS2307								
FL208D1	Z(ZM)-UKFL208D1;H2308X	C(CM)-UKFL208D1;H2308X	3 1/8	56 2 3/16	66 2 19/32	106 4 3/16	50 1 31/32	1.6 3.5	1.7 3.7	2.1 4.6
FL208D1	Z(ZM)-UKFL208ED1;HE2308X	C(CM)-UKFL208ED1;HE2308X								
FL208D1	Z(ZM)-UKFL208SD1;HS2308X	C(CM)-UKFL208SD1;HS2308X								
FL209D1	Z(ZM)-UKFL209D1;H2309X	C(CM)-UKFL209D1;H2309X	3 1/8	57 2 1/4	70 2 3/4	113 4 7/16	54 2 1/8	2.0 4.4	2.1 4.6	2.5 5.7
FL209D1	Z(ZM)-UKFL209AD1;HA2309	C(CM)-UKFL209AD1;HA2309								
FL209D1	Z(ZM)-UKFL209ED1;HE2309X	C(CM)-UKFL209ED1;HE2309X								
FL209D1	Z(ZM)-UKFL209SD1;HS2309X	C(CM)-UKFL209SD1;HS2309X								
FL210D1	Z(ZM)-UKFL210D1;H2310X	C(CM)-UKFL210D1;H2310X	3 1/8	60 2 3/8	72 2 27/32	120 4 23/32	58 2 9/32	2.2 4.9	2.4 5.3	2.9 6.4
FL210D1	Z(ZM)-UKFL210SD1;HS2310	C(CM)-UKFL210SD1;HS2310								
FL210D1	Z(ZM)-UKFL210AD1;HA2310	C(CM)-UKFL210AD1;HA2310								
FL210D1	Z(ZM)-UKFL210ED1;HE2310X	C(CM)-UKFL210ED1;HE2310X								
FL211D1	Z(ZM)-UKFL211D1;H2311X	C(CM)-UKFL211D1;H2311X	4 5/32	64 2 1/2	75 2 15/16	133 5 1/4	65 2 9/16	3.1 6.8	3.4 7.5	3.7 8.2
FL211D1	Z(ZM)-UKFL211SD1;HS2311	C(CM)-UKFL211SD1;HS2311								
FL211D1	Z(ZM)-UKFL211AD1;HA2311	C(CM)-UKFL211AD1;HA2311								
FL211D1	Z(ZM)-UKFL211ED1;HE2311XY	C(CM)-UKFL211ED1;HE2311XY								
FL212D1	Z(ZM)-UKFL212D1;H2312X	C(CM)-UKFL212D1;H2312X	4 5/32	74 2 29/32	86 3 3/8	144 5 21/32	70 2 3/4	3.9 8.6	4.2 9.3	4.7 10
FL212D1	Z(ZM)-UKFL212SD1;HS2312	C(CM)-UKFL212SD1;HS2312								

Housing number	Unit number ⁽²⁾ pressed steel dust cover type	Unit number ⁽²⁾ cast dust cover type	Nominal dimensions					Mass of unit		
			mm inch					kg lb		
			<i>t</i> max.	<i>A</i> ₄	<i>A</i> ₅	<i>L</i> ₁	<i>L</i> ₂	UKFL	Z(ZM)	C(CM)
FL213D1	Z(ZM)-UKFL213D1;H2313X	C(CM)-UKFL213D1;H2313X	4	76	90	157	78	5.0	5.4	6.0
FL213D1	Z(ZM)-UKFL213AD1;HA2313	C(CM)-UKFL213AD1;HA2313								
FL213D1	Z(ZM)-UKFL213ED1;HE2313X	C(CM)-UKFL213ED1;HE2313X	$\frac{5}{32}$	3	$3\frac{17}{32}$	$6\frac{3}{16}$	$3\frac{1}{16}$	11	12	13
FL213D1	Z(ZM)-UKFL213SD1;HS2313X	C(CM)-UKFL213SD1;HS2313X								
FL215D1	—	C(CM)-UKFL215D1;H2315X	4	—	102	169	82	6.2	—	7.6
FL215D1	—	C(CM)-UKFL215AD1;HA2315	$\frac{5}{32}$	—	$4\frac{1}{32}$	$6\frac{21}{32}$	$3\frac{7}{32}$	14	—	17
FL215D1	—	C(CM)-UKFL215ED1;HE2315X								
FL216D1	—	C(CM)-UKFL216D1;H2316X	4	—	106	183	90	7.9	—	9.3
FL216D1	—	C(CM)-UKFL216AD1;HA2316	$\frac{5}{32}$	—	$4\frac{3}{16}$	$7\frac{7}{32}$	$3\frac{17}{32}$	17	—	21
FL216D1	—	C(CM)-UKFL216ED1;HE2316X								
FL217D1	—	C(CM)-UKFL217D1;H2317X	5	—	114	192	95	9.2	—	11
FL217D1	—	C(CM)-UKFL217AD1;HA2317X	$\frac{13}{64}$	—	$4\frac{1}{2}$	$7\frac{9}{16}$	$3\frac{3}{4}$	20	—	24
FL217D1	—	C(CM)-UKFL217ED1;HE2317X								
FL218D1	—	C(CM)-UKFL218D1;H2318X	5	—	122	205	102	11	—	13
FL218D1	—	C(CM)-UKFL218AD1;HA2318X	$\frac{13}{64}$	—	$4\frac{13}{16}$	$8\frac{1}{16}$	$4\frac{1}{32}$	24	—	29

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

Rhombus flanged unit, cast housing
Adapter type



Shaft dia. mm inch	Unit number ⁽¹⁾⁽²⁾⁽³⁾	Nominal dimensions									Bolt size mm inch
		mm inch									
		<i>H</i>	<i>J</i>	<i>A</i> ₂	<i>A</i> ₁	<i>A</i>	<i>N</i>	<i>L</i>	<i>A</i> ₀	<i>B</i> ₁	
20 3/4	UKFL305D1;H2305X UKFL305D1;HE2305	150 5 ²⁹ / ₃₂	113 4 ²⁹ / ₆₄	16 5/8	13 1/2	29 1 ⁵ / ₃₂	19 3/4	80 3 ⁵ / ₃₂	37 1 ²⁹ / ₆₄	35 1.378	M16 5/8
25 7/8 1	UKFL306D1;H2306X UKFL306D1;HS2306 UKFL306D1;HE2306X	180 7 ³ / ₃₂	134 5 ⁹ / ₃₂	18 45/64	15 19/32	32 1 1/4	23 29/32	90 3 ¹⁷ / ₃₂	40.5 1 ¹⁹ / ₃₂	38 1.496	M20 3/4
30 1 1/8	UKFL307D1;H2307X UKFL307D1;HS2307	185 7 ⁹ / ₃₂	141 5 ³⁵ / ₆₄	20 25/32	16 5/8	36 1 ¹³ / ₃₂	23 29/32	100 3 ¹⁵ / ₁₆	45.5 1 ⁵¹ / ₆₄	43 1.693	M20 3/4
35 1 1/4 1 3/8	UKFL308D1;H2308X UKFL308D1;HE2308X UKFL308D1;HS2308X	200 7 ⁷ / ₈	158 6 ⁷ / ₃₂	23 29/32	17 21/32	40 1 ⁹ / ₁₆	23 29/32	112 4 ¹³ / ₃₂	50 1 ³¹ / ₃₂	46 1.811	M20 3/4
40 1 7/16 1 1/2 1 5/8	UKFL309D1;H2309X UKFL309D1;HA2309 UKFL309D1;HE2309X UKFL309D1;HS2309X	230 9 ¹ / ₁₆	177 6 ³¹ / ₃₂	25 63/64	18 23/32	44 1 ²³ / ₃₂	25 63/64	125 4 ²⁹ / ₃₂	54.5 2 ⁹ / ₆₄	50 1.969	M22 7/8
45 1 5/8 1 11/16 1 3/4	UKFL310D1;H2310X UKFL310D1;HS2310 UKFL310D1;HA2310 UKFL310D1;HE2310X	240 9 ⁷ / ₁₆	187 7 ²³ / ₆₄	28 1 ⁷ / ₆₄	19 3/4	48 1 ⁷ / ₈	25 63/64	140 5 ¹ / ₂	60.5 2 ³ / ₈	55 2.165	M22 7/8
50 1 7/8 1 15/16 2	UKFL311D1;H2311X UKFL311D1;HS2311 UKFL311D1;HA2311 UKFL311D1;HE2311XY	250 9 ²⁷ / ₃₂	198 7 ⁵¹ / ₆₄	30 1 ³ / ₁₆	20 25/32	52 2 ¹ / ₁₆	25 63/64	150 5 ²⁹ / ₃₂	64 2 ³³ / ₆₄	59 2.323	M22 7/8
55 2 1/8	UKFL312D1;H2312X UKFL312D1;HS2312	270 10 ⁵ / ₈	212 8 ¹¹ / ₃₂	33 1 ¹⁹ / ₆₄	22 7/8	56 2 ⁷ / ₃₂	31 1 ⁷ / ₃₂	160 6 ⁵ / ₁₆	69.5 2 ⁴⁷ / ₆₄	62 2.441	M27 1

Notes ⁽¹⁾ These numbers indicate relubricatable type. If maintenance free type is needed, please order without suffix "D1".
⁽²⁾ Adapter number with suffix "X" means a narrow slot type adapter sleeve.
In this case the lock washer with the straight inner prong should be used.
⁽³⁾ For HE2311XY, screw thread pitch different from the standard is applied, because of the thin thread section of sleeve.
To distinguish it, a suffix "Y" is added.
⁽⁴⁾ If the inch series housing units with dust cover are ordered with a closed end, the suffixes E, S or A are not included.
Example: CM-UKFL305D1;HE2305

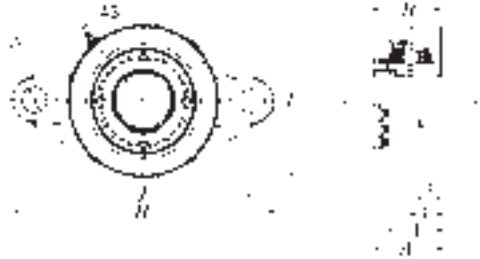
Remarks Please refer to page A21 for size of grease fitting.



Cast dust cover type
Open end C-UKFL...D1
Closed end CM-UKFL...D1

Bearing number	Housing number	Unit number ⁽⁴⁾ cast dust cover type	Nominal dimensions				Mass of unit	
			mm inch				kg lb	
			t max.	A ₅	L ₁	L ₂	UKFL	C(CM)
UK305D1;H2305X UK305D1;HE2305	FL305D1 FL305D1	C(CM)-UKFL305D1;H2305X C(CM)-UKFL305ED1;HE2305	2 5/64	56 2 ⁷ / ₃₂	86 3 ³ / ₈	40 1 ⁹ / ₁₆	1.0 2.2	1.3 2.9
UK306D1;H2306X UK306D1;HS2306 UK306D1;HE2306X	FL306D1 FL306D1 FL306D1	C(CM)-UKFL306D1;H2306X C(CM)-UKFL306SD1;HS2306 C(CM)-UKFL306ED1;HE2306X	2 5/64	60 2 ³ / ₈	101 3 ³¹ / ₃₂	45 1 ²⁵ / ₃₂	1.5 3.3	1.8 4.0
UK307D1;H2307X UK307D1;HS2307	FL307D1 FL307D1	C(CM)-UKFL307D1;H2307X C(CM)-UKFL307SD1;HS2307	3 1/8	68 2 ¹¹ / ₁₆	110 4 ¹¹ / ₃₂	50 1 ³¹ / ₃₂	1.8 4.0	2.2 4.9
UK308D1;H2308X UK308D1;HE2308X UK308D1;HS2308X	FL308D1 FL308D1 FL308D1	C(CM)-UKFL308D1;H2308X C(CM)-UKFL308ED1;HE2308X C(CM)-UKFL308SD1;HS2308X	3 1/8	76 3	122 4 ¹³ / ₁₆	56 2 ⁷ / ₃₂	2.2 4.9	3.0 6.6
UK309D1;H2309X UK309D1;HA2309 UK309D1;HE2309X UK309D1;HS2309X	FL309D1 FL309D1 FL309D1 FL309D1	C(CM)-UKFL309D1;H2309X C(CM)-UKFL309AD1;HA2309 C(CM)-UKFL309ED1;HE2309X C(CM)-UKFL309SD1;HS2309X	3 1/8	80 3 ⁵ / ₃₂	135 5 ⁵ / ₁₆	62 2 ⁷ / ₁₆	3.0 6.6	3.9 8.6
UK310D1;H2310X UK310D1;HS2310 UK310D1;HA2310 UK310D1;HE2310X	FL310D1 FL310D1 FL310D1 FL310D1	C(CM)-UKFL310D1;H2310X C(CM)-UKFL310SD1;HS2310 C(CM)-UKFL310AD1;HA2310 C(CM)-UKFL310ED1;HE2310X	3 1/8	88 3 ¹⁵ / ₃₂	152 5 ³¹ / ₃₂	70 2 ³ / ₄	4.1 9.0	5.1 11
UK311D1;H2311X UK311D1;HS2311 UK311D1;HA2311 UK311D1;HE2311XY	FL311D1 FL311D1 FL311D1 FL311D1	C(CM)-UKFL311D1;H2311X C(CM)-UKFL311SD1;HS2311 C(CM)-UKFL311AD1;HA2311 C(CM)-UKFL311ED1;HE2311XY	4 5/32	92 3 ⁵ / ₈	162 6 ³ / ₈	75 2 ¹⁵ / ₁₆	4.6 10	6.0 13
UK312D1;H2312X UK312D1;HS2312	FL312D1 FL312D1	C(CM)-UKFL312D1;H2312X C(CM)-UKFL312SD1;HS2312	4 5/32	100 3 ¹⁵ / ₁₆	175 6 ⁷ / ₈	80 3 ⁵ / ₃₂	5.7 13	7.7 17

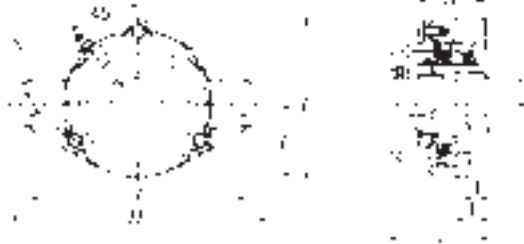
Rhombus flanged unit, cast housing
Adapter type



Shaft dia.	Unit number ⁽¹⁾ (²)	Nominal dimensions									Bolt size
		mm inch									
		<i>H</i>	<i>J</i>	<i>A</i> ₂	<i>A</i> ₁	<i>A</i>	<i>N</i>	<i>L</i>	<i>A</i> ₀	<i>B</i> ₁	
mm inch											mm inch
60	UKFL313D1;H2313X	295	240	33	25	58	31	175	71.5	65	M27
2 ³ / ₁₆	UKFL313D1;HA2313	11 ⁵ / ₈	9 ²⁹ / ₆₄	1 ¹⁹ / ₆₄	³¹ / ₃₂	2 ³ / ₃₂	1 ⁷ / ₃₂	6 ⁷ / ₈	2 ¹³ / ₁₆	2.559	1
2 ¹ / ₄	UKFL313D1;HE2313X										
2 ³ / ₈	UKFL313D1;HS2313X										
65	UKFL315D1;H2315X	320	260	39	30	66	35	195	81.5	73	M30
2 ⁷ / ₁₆	UKFL315D1;HA2315	12 ¹⁹ / ₃₂	10 ¹⁵ / ₆₄	1 ¹⁷ / ₃₂	1 ³ / ₁₆	2 ¹⁹ / ₃₂	1 ³ / ₈	7 ¹¹ / ₁₆	3 ¹³ / ₆₄	2.874	1 ¹ / ₈
2 ¹ / ₂	UKFL315D1;HE2315X										
70	UKFL316D1;H2316X	355	285	38	32	68	38	210	84	78	M33
2 ¹¹ / ₁₆	UKFL316D1;HA2316	13 ³¹ / ₃₂	11 ⁷ / ₃₂	1 ¹ / ₂	1 ¹ / ₄	2 ¹¹ / ₁₆	1 ¹ / ₂	8 ⁹ / ₃₂	3 ⁵ / ₁₆	3.071	1 ¹ / ₄
2 ³ / ₄	UKFL316D1;HE2316X										
75	UKFL317D1;H2317X	370	300	44	32	74	38	220	92	82	M33
2 ¹⁵ / ₁₆	UKFL317D1;HA2317X	14 ⁹ / ₁₆	11 ¹³ / ₁₆	1 ⁴⁷ / ₆₄	1 ¹ / ₄	2 ²⁹ / ₃₂	1 ¹ / ₂	8 ²¹ / ₃₂	3 ⁵ / ₈	3.228	1 ¹ / ₄
3	UKFL317D1;HE2317X										
80	UKFL318D1;H2318X	385	315	44	36	76	38	235	94	86	M33
3 ³ / ₁₆	UKFL318D1;HA2318X	15 ⁵ / ₃₂	12 ¹³ / ₃₂	1 ⁴⁷ / ₆₄	1 ¹³ / ₃₂	3	1 ¹ / ₂	9 ¹ / ₄	3 ⁴⁵ / ₆₄	3.386	1 ¹ / ₄
85	UKFL319D1;H2319X	405	330	59	40	94	41	250	111.5	90	M36
3 ¹ / ₄	UKFL319D1;HE2319X	15 ¹⁵ / ₁₆	12 ⁶³ / ₆₄	2 ²¹ / ₆₄	1 ⁹ / ₁₆	3 ¹¹ / ₁₆	1 ³⁹ / ₆₄	9 ²⁷ / ₃₂	4 ²⁵ / ₆₄	3.543	1 ³ / ₈
90	UKFL320D1;H2320X	440	360	59	40	94	44	270	115.5	97	M39
3 ⁷ / ₁₆	UKFL320D1;HA2320	17 ⁵ / ₁₆	14 ¹¹ / ₆₄	2 ²¹ / ₆₄	1 ⁹ / ₁₆	3 ¹¹ / ₁₆	1 ⁴⁷ / ₆₄	10 ⁵ / ₈	4 ³⁵ / ₆₄	3.819	1 ¹ / ₂
3 ¹ / ₂	UKFL320D1;HE2320X										
100	UKFL322D1;H2322X	470	390	60	42	96	44	300	121	105	M39
110	UKFL324D1;H2324	520	430	65	48	110	47	330	130	112	M42
115	UKFL326D1;H2326	550	460	65	50	115	47	360	133	121	M42
125	UKFL328D1;H2328	600	500	75	60	125	51	400	146.5	131	M45

Notes ⁽¹⁾ These numbers indicate relubricatable type. If maintenance free type is needed, please order without suffix "D1".
⁽²⁾ Adapter number with suffix "X" means a narrow slot type adapter sleeve.
In this case the lock washer with the straight inner prong should be used.
⁽³⁾ If the inch series housing units with dust cover are ordered with a closed end, the suffixes E, S or A are not included.
Example: CM-UKFL305D1;HE2305

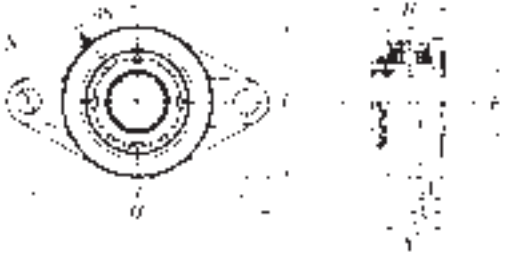
Remarks Please refer to page A21 for size of grease fitting.



Cast dust cover type
Open end C-UKFL...D1
Closed end CM-UKFL...D1

Bearing number	Housing number	Unit number ⁽¹⁾ cast dust cover type	Nominal dimensions				Mass of unit	
			mm inch				kg lb	
			t max.	A ₅	L ₁	L ₂	UKFL	C(CM)
UK313D1;H2313X	FL313D1	C(CM)-UKFL313D1;H2313X	4	103	189	88	7.4	9.8
UK313D1;HA2313	FL313D1	C(CM)-UKFL313AD1;HA2313						
UK313D1;HE2313X	FL313D1	C(CM)-UKFL313ED1;HE2313X	5/32	4 1/16	7 7/16	3 15/32	16	22
UK313D1;HS2313X	FL313D1	C(CM)-UKFL313SD1;HS2313X						
UK315D1;H2315X	FL315D1	C(CM)-UKFL315D1;H2315X	4	114	210	98	9.9	13
UK315D1;HA2315	FL315D1	C(CM)-UKFL315AD1;HA2315						
UK315D1;HE2315X	FL315D1	C(CM)-UKFL315ED1;HE2315X	5/32	4 1/2	8 9/32	3 27/32	22	29
UK316D1;H2316X	FL316D1	C(CM)-UKFL316D1;H2316X	4	116	222	105	13	17
UK316D1;HA2316	FL316D1	C(CM)-UKFL316AD1;HA2316						
UK316D1;HE2316X	FL316D1	C(CM)-UKFL316ED1;HE2316X	5/32	4 9/16	8 3/4	4 1/8	29	37
UK317D1;H2317X	FL317D1	C(CM)-UKFL317D1;H2317X	5	127	234	110	15	18
UK317D1;HA2317X	FL317D1	C(CM)-UKFL317AD1;HA2317X						
UK317D1;HE2317X	FL317D1	C(CM)-UKFL317ED1;HE2317X	13/64	5	9 7/32	4 11/32	33	40
UK318D1;H2318X	FL318D1	C(CM)-UKFL318D1;H2318X	5	129	247	118	18	22
UK318D1;HA2318X	FL318D1	C(CM)-UKFL318AD1;HA2318X	13/64	5 3/32	9 23/32	4 21/32	40	49
UK319D1;H2319X	FL319D1	C(CM)-UKFL319D1;H2319X	5	149	260	125	22	27
UK319D1;HE2319X	FL319D1	C(CM)-UKFL319ED1;HE2319X	13/64	5 7/8	10 1/4	4 29/32	49	60
UK320D1;H2320X	FL320D1	C(CM)-UKFL320D1;H2320X	5	154	280	135	26	32
UK320D1;HA2320	FL320D1	C(CM)-UKFL320AD1;HA2320						
UK320D1;HE2320X	FL320D1	C(CM)-UKFL320ED1;HE2320X	13/64	6 1/16	11 1/32	5 5/16	57	71
UK322D1;H2322X	FL322D1	C(CM)-UKFL322D1;H2322X	5	160	315	150	34	41
UK324D1;H2324	FL324D1	C(CM)-UKFL324D1;H2324	5	172	342	165	47	52
UK326D1;H2326	FL326D1	C(CM)-UKFL326D1;H2326	6	178	376	180	58	65
UK328D1;H2328	FL328D1	C(CM)-UKFL328D1;H2328	6	192	410	200	82	90

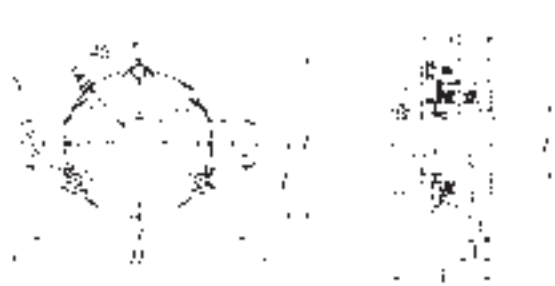
Rhombus flanged unit, cast housing
Adapter type



Shaft dia. mm inch	Unit number ⁽¹⁾⁽²⁾	Nominal dimensions									
		mm inch									
		<i>H</i>	<i>J</i>	<i>A</i> ₂	<i>A</i> ₁	<i>A</i>	<i>N</i>	<i>L</i>	<i>A</i> ₀	<i>B</i> ₁	<i>F</i> min.
20 3⁄4	UKFLX05D1;H2305X UKFLX05D1;HE2305	141 5 ⁹ / ₁₆	117 4 ³⁹ / ₆₄	18 45⁄64	13 1⁄2	30 1 ³ / ₁₆	12 15⁄32	83 3 ⁹ / ₃₂	39 1 ¹⁷ / ₃₂	35 1.378	–
25 7⁄8 1	UKFLX06D1;H2306X UKFLX06D1;HS2306 UKFLX06D1;HE2306X	156 6 ⁵ / ₃₂	130 5 ¹ / ₈	19 3⁄4	15 19⁄32	34 1 ¹¹ / ₃₂	16 5⁄8	95 3 ³ / ₄	41.5 1 ⁴¹ / ₆₄	38 1.496	–
30 1 ¹ / ₈	UKFLX07D1;H2307X UKFLX07D1;HS2307	171 6 ²³ / ₃₂	144 5 ⁴³ / ₆₄	21 53⁄64	16 5⁄8	38 1 ¹ / ₂	16 5⁄8	105 4 ¹ / ₈	45.5 1 ⁵¹ / ₆₄	43 1.693	–
35 1 ¹ / ₄ 1 ³ / ₈	UKFLX08D1;H2308X UKFLX08D1;HE2308X UKFLX08D1;HS2308X	179 7 ¹ / ₁₆	148 5 ⁵³ / ₆₄	22 55⁄64	16 5⁄8	40 1 ⁹ / ₁₆	16 5⁄8	111 4 ³ / ₈	47.5 1 ⁷ / ₈	46 1.811	46 1 ¹³ / ₁₆
40 1 ⁷ / ₁₆ 1 ¹ / ₂ 1 ⁵ / ₈	UKFLX09D1;H2309X UKFLX09D1;HA2309 UKFLX09D1;HE2309X UKFLX09D1;HS2309X	189 7 ⁷ / ₁₆	157 6 ³ / ₁₆	23 29⁄32	16 5⁄8	40 1 ⁹ / ₁₆	16 5⁄8	116 4 ⁹ / ₁₆	50 1 ³¹ / ₃₂	50 1.969	52 2 ¹ / ₁₆
45 1 ⁵ / ₈ 1 ¹¹ / ₁₆ 1 ³ / ₄	UKFLX10D1;H2310X UKFLX10D1;HS2310 UKFLX10D1;HA2310 UKFLX10D1;HE2310X	216 8 ¹ / ₂	184 7 ¹ / ₄	26 1 ¹ / ₃₂	18 23⁄32	44 1 ²³ / ₃₂	19 3⁄4	133 5 ¹ / ₄	55.5 2 ³ / ₁₆	55 2.165	57 2 ¹ / ₄

Notes ⁽¹⁾ These numbers indicate relubricatable type. If maintenance free type is needed, please order without suffix "D1".
⁽²⁾ Adapter number with suffix "X" means a narrow slot type adapter sleeve.
In this case the lock washer with the straight inner prong should be used.
⁽³⁾ If the inch series housing units with dust cover are ordered with a closed end, the suffixes E, S or A are not included.
Example: CM-UKFLX05D1;HE2305

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



Cast dust cover type
Open end C-UKFL...D1
Closed end CM-UKFL...D1

Bolt size mm inch	Bearing number	Housing number	Unit number ⁽²⁾ cast dust cover type	Nominal dimensions				Mass of unit	
				mm inch				kg lb	
				<i>t</i> max.	<i>A</i> ₅	<i>L</i> ₁	<i>L</i> ₂	UKF	C(CM)
M10 3⁄8	UKX05D1;H2305X UKX05D1;HE2305	FLX05D1 FLX05D1	C(CM)-UKFLX05D1;H2305X C(CM)-UKFLX05ED1;HE2305	2 5⁄64	56 2 ⁷ / ₃₂	86 3 ³ / ₈	41.5 1 ⁵ / ₈	1.0 2.2	1.2 2.7
M14 1⁄2	UKX06D1;H2306X UKX06D1;HS2306 UKX06D1;HE2306X	FLX06D1 FLX06D1 FLX06D1	C(CM)-UKFLX06D1;H2306X C(CM)-UKFLX06SD1;HS2306 C(CM)-UKFLX06ED1;HE2306X	2 5⁄64	59 2 ⁵ / ₁₆	98.5 3 ⁷ / ₈	47.5 1 ⁷ / ₈	1.4 3.1	1.6 3.5
M14 1⁄2	UKX07D1;H2307X UKX07D1;HS2307	FLX07D1 FLX07D1	C(CM)-UKFLX07D1;H2307X C(CM)-UKFLX07SD1;HS2307	3 1⁄8	66 2 ¹⁹ / ₃₂	108.5 4 ⁹ / ₃₂	52.5 2 ¹ / ₁₆	1.8 4.0	2.2 4.9
M14 1⁄2	UKX08D1;H2308X UKX08D1;HE2308X UKX08D1;HS2308X	FLX08D1 FLX08D1 FLX08D1	C(CM)-UKFLX08D1;H2308X C(CM)-UKFLX08ED1;HE2308X C(CM)-UKFLX08SD1;HS2308X	3 1⁄8	70 2 ³ / ₄	114.5 4 ¹ / ₄	55.5 2 ³ / ₁₆	2.2 4.9	2.6 5.7
M14 1⁄2	UKX09D1;H2309X UKX09D1;HA2309 UKX09D1;HE2309X UKX09D1;HS2309X	FLX09D1 FLX09D1 FLX09D1 FLX09D1	C(CM)-UKFLX09D1;H2309X C(CM)-UKFLX09AD1;HA2309 C(CM)-UKFLX09ED1;HE2309X C(CM)-UKFLX09SD1;HS2309X	3 1⁄8	73 2 ⁷ / ₈	119.5 4 ²³ / ₃₂	58 2 ⁹ / ₃₂	2.2 4.9	2.7 6.0
M16 5⁄8	UKX10D1;H2310X UKX10D1;HS2310 UKX10D1;HA2310 UKX10D1;HE2310X	FLX10D1 FLX10D1 FLX10D1 FLX10D1	C(CM)-UKFLX10D1;H2310X C(CM)-UKFLX10SD1;HS2310 C(CM)-UKFLX10AD1;HA2310 C(CM)-UKFLX10ED1;HE2310X	3 1⁄8	76 3	133.5 5 ¹ / ₄	66.5 2 ⁵ / ₈	3.1 6.8	3.6 7.9

Take-up unit, cast housing
Adapter type



Pressed steel dust cover type
Open end **Z-UKT...D1**
Closed end **ZM-UKT...D1**

Shaft dia. mm inch	Unit number ⁽¹⁾ (²)(³)	Nominal dimensions															Bearing number
		mm inch															
		<i>N</i> ₁	<i>L</i> ₂	<i>H</i> ₂	<i>N</i> ₂	<i>N</i>	<i>L</i> ₃	<i>A</i> ₁	<i>H</i> ₁	<i>H</i>	<i>L</i>	<i>A</i> ₂	<i>A</i>	<i>r</i>	<i>L</i> ₁	<i>B</i> ₁	
20 3/4	UKT205D1;H2305X	16	12	51	32	19	51	12	76	89	97	24	32	35	62	35	UK205D1;H2305X
	UKT205D1;HE2305	5/8	15/32	2	1 1/4	3/4	2	0.472	2 63/64	3 1/2	3 13/16	15/16	1 1/4	1 3/8	2 7/16	1.378	UK205D1;HE2305
25 7/8 1	UKT206D1;H2306X	16	12	56	37	22	57	12	89	102	113	28	37	43	70	38	UK206D1;H2306X
	UKT206D1;HS2306	5/8	15/32	2 7/32	1 15/32	7/8	2 1/4	0.472	3 1/2	4 1/32	4 7/16	1 3/32	1 15/32	1 11/16	2 3/4	1.496	UK206D1;HS2306
	UKT206D1;HE2306X																UK206D1;HE2306X
30 1 1/8	UKT207D1;H2307X	16	15	64	37	22	64	12	89	102	129	30	37	51	78	43	UK207D1;H2307X
	UKT207D1;HS2307	5/8	19/32	2 17/32	1 15/32	7/8	2 17/32	0.472	3 1/2	4 1/32	5 3/32	1 3/16	1 15/32	2	3 1/16	1.693	UK207D1;HS2307
35 1 1/4 1 3/8	UKT208D1;H2308X	19	18	83	49	29	83	16	102	114	144	33	49	56	88	46	UK208D1;H2308X
	UKT208D1;HE2308X	3/4	23/32	3 9/32	1 15/16	1 5/32	3 9/32	0.630	4 1/64	4 1/2	5 21/32	1 5/16	1 15/16	2 7/32	3 15/32	1.811	UK208D1;HE2308X
	UKT208D1;HS2308X																UK208D1;HS2308X
40 1 7/16 1 1/2 1 5/8	UKT209D1;H2309X	19	18	83	49	29	83	16	102	117	145	35	49	57	88	50	UK209D1;H2309X
	UKT209D1;HA2309																UK209D1;HA2309
	UKT209D1;HE2309X	3/4	23/32	3 9/32	1 15/16	1 5/32	3 9/32	0.630	4 1/64	4 19/32	5 23/32	1 3/8	1 15/16	2 1/4	3 15/32	1.969	UK209D1;HE2309X
	UKT209D1;HS2309X																UK209D1;HS2309X
45 1 5/8 1 11/16 1 3/4	UKT210D1;H2310X	19	18	83	49	29	86	16	102	117	151	37	49	59	92	55	UK210D1;H2310X
	UKT210D1;HS2310																UK210D1;HS2310
	UKT210D1;HA2310	3/4	23/32	3 9/32	1 15/16	1 5/32	3 3/8	0.630	4 1/64	4 19/32	5 15/16	1 15/32	1 15/16	2 5/16	3 5/8	2.165	UK210D1;HA2310
	UKT210D1;HE2310X																UK210D1;HE2310X
50 1 7/8 1 15/16 2	UKT211D1;H2311X	25	21	102	64	35	95	22	130	146	171	38	64	65	106	59	UK211D1;H2311X
	UKT211D1;HS2311																UK211D1;HS2311
	UKT211D1;HA2311	31/32	13/16	4 1/32	2 17/32	1 3/8	3 3/4	0.866	5 1/8	5 3/4	6 23/32	1 1/2	2 17/32	2 9/16	4 3/16	2.323	UK211D1;HA2311
	UKT211D1;HE2311XY																UK211D1;HE2311XY
55 2 1/8	UKT212D1;H2312X	32	21	102	64	35	102	22	130	146	194	42	64	75	119	62	UK212D1;H2312X
	UKT212D1;HS2312	1 1/4	13/16	4 1/32	2 17/32	1 3/8	4 1/32	0.866	5 1/8	5 3/4	7 5/8	1 21/32	2 17/32	2 15/16	4 11/16	2.441	UK212D1;HS2312

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

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



Cast dust cover type
Open end **C-UKT...D1**
Closed end **CM-UKT...D1**

Housing number	Unit number pressed steel dust cover type	Unit number cast dust cover type	Nominal dimensions				Mass of unit		
			mm inch				kg lb		
			<i>t</i> max.	<i>A</i> ₄	<i>L</i> ₄	<i>A</i> ₅	UKT	Z(ZM)	C(CM)
T205D1	Z(ZM)-UKT205D1;H2305X	C(CM)-UKT205D1;H2305X	2	48	100.5	70	0.9	0.9	1.2
T205D1	Z(ZM)-UKT205ED1;HE2305	C(CM)-UKT205ED1;HE2305	5/8	1 29/32	3 31/32	2 3/4	2.0	2.0	2.6
T206D1	Z(ZM)-UKT206D1;H2306X	C(CM)-UKT206D1;H2306X	2	53	113.5	75	1.3	1.4	1.8
T206D1	Z(ZM)-UKT206SD1;HS2306	C(CM)-UKT206SD1;HS2306	5/64	2 3/32	4 15/32	2 15/16	2.9	3.1	4.0
T206D1	Z(ZM)-UKT206ED1;HE2306X	C(CM)-UKT206ED1;HE2306X							
T207D1	Z(ZM)-UKT207D1;H2307X	C(CM)-UKT207D1;H2307X	3	60	129	80	1.7	1.8	2.2
T207D1	Z(ZM)-UKT207SD1;HS2307	C(CM)-UKT207SD1;HS2307	1/8	2 11/32	5 3/32	3 3/32	3.7	4.0	4.9
T208D1	Z(ZM)-UKT208D1;H2308X	C(CM)-UKT208D1;H2308X	3	69	144	90	2.5	2.6	3.3
T208D1	Z(ZM)-UKT208ED1;HE2308X	C(CM)-UKT208ED1;HE2308X	1/8	2 23/32	5 21/32	3 17/32	5.5	5.7	7.3
T208D1	Z(ZM)-UKT208SD1;HS2308X	C(CM)-UKT208SD1;HS2308X							
T209D1	Z(ZM)-UKT209D1;H2309X	C(CM)-UKT209D1;H2309X	3	69	145.5	95	2.5	2.6	3.5
T209D1	Z(ZM)-UKT209AD1;HA2309	C(CM)-UKT209AD1;HA2309							
T209D1	Z(ZM)-UKT209ED1;HE2309X	C(CM)-UKT209ED1;HE2309X	1/8	2 23/32	5 23/32	3 3/4	5.5	5.7	7.7
T209D1	Z(ZM)-UKT209SD1;HS2309X	C(CM)-UKT209SD1;HS2309X							
T210D1	Z(ZM)-UKT210D1;H2310X	C(CM)-UKT210D1;H2310X	3	76	152	100	2.7	2.8	3.8
T210D1	Z(ZM)-UKT210SD1;HS2310	C(CM)-UKT210SD1;HS2310							
T210D1	Z(ZM)-UKT210AD1;HA2310	C(CM)-UKT210AD1;HA2310	1/8	3	5 31/32	3 15/16	6.0	6.2	8.4
T210D1	Z(ZM)-UKT210ED1;HE2310X	C(CM)-UKT210ED1;HE2310X							
T211D1	Z(ZM)-UKT211D1;H2311X	C(CM)-UKT211D1;H2311X	4	77	171.5	100	4.1	4.3	5.3
T211D1	Z(ZM)-UKT211SD1;HS2311	C(CM)-UKT211SD1;HS2311							
T211D1	Z(ZM)-UKT211AD1;HA2311	C(CM)-UKT211AD1;HA2311	5/32	3 1/32	6 3/4	3 15/16	9.0	9.5	12
T211D1	Z(ZM)-UKT211ED1;HE2311XY	C(CM)-UKT211ED1;HE2311XY							
T212D1	Z(ZM)-UKT212D1;H2312X	C(CM)-UKT212D1;H2312X	4	89	194	115	4.9	5.2	6.3
T212D1	Z(ZM)-UKT212SD1;HS2312	C(CM)-UKT212SD1;HS2312	5/32	3 1/2	7 7/8	4 17/32	11	11	14

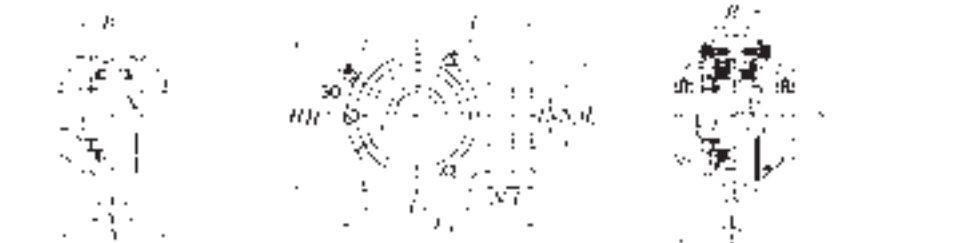
Take-up unit, cast housing
Adapter type



Pressed steel dust cover type
Open end **Z-UKT...D1**
Closed end **ZM-UKT...D1**

Shaft dia. mm inch	Unit number ⁽¹⁾⁽²⁾	Nominal dimensions																Bearing number
		mm inch																
		N ₁	L ₂	H ₂	N ₂	N	L ₃	A ₁	H ₁	H	L	A ₂	A	r	L ₁	B ₁		
60 2 ³ / ₁₆ 2 ¹ / ₄ 2 ³ / ₈	UKT213D1;H2313X UKT213D1;HA2313 UKT213D1;HE2313X UKT213D1;HS2313X	32	23	111	70	41	121	26	151	167	224	44	70	87	137	65	UK213D1;H2313X UK213D1;HA2313 UK213D1;HE2313X UK213D1;HS2313X	
		1 ¹ / ₄	²⁹ / ₃₂	4 ³ / ₈	2 ³ / ₄	1 ⁵ / ₈	4 ³ / ₄	1.024	5 ¹⁵ / ₁₆	6 ⁹ / ₁₆	8 ¹³ / ₁₆	1 ²³ / ₃₂	2 ³ / ₄	3 ⁷ / ₁₆	5 ¹³ / ₃₂	2.559		
65 2 ⁷ / ₁₆ 2 ¹ / ₂	UKT215D1;H2315X UKT215D1;HA2315 UKT215D1;HE2315X	32	23	111	70	41	121	26	151	167	232	48	70	92	140	73	UK215D1;H2315X UK215D1;HA2315 UK215D1;HE2315X	
		1 ¹ / ₄	²⁹ / ₃₂	4 ³ / ₈	2 ³ / ₄	1 ⁵ / ₈	4 ³ / ₄	1.024	5 ¹⁵ / ₁₆	6 ⁹ / ₁₆	9 ¹ / ₈	1 ⁷ / ₈	2 ³ / ₄	3 ⁵ / ₈	5 ¹ / ₂	2.874		
70 2 ¹¹ / ₁₆ 2 ³ / ₄	UKT216D1;H2316X UKT216D1;HA2316 UKT216D1;HE2316X	32	23	111	70	41	121	26	165	184	235	51	70	95	140	78	UK216D1;H2316X UK216D1;HA2316 UK216D1;HE2316X	
		1 ¹ / ₄	²⁹ / ₃₂	4 ³ / ₈	2 ³ / ₄	1 ⁵ / ₈	4 ³ / ₄	1.024	6 ¹ / ₂	7 ¹ / ₄	9 ¹ / ₄	2	2 ³ / ₄	3 ³ / ₄	5 ¹ / ₂	3.071		
75 2 ¹⁵ / ₁₆ 3	UKT217D1;H2317X UKT217D1;HA2317X UKT217D1;HE2317X	38	31	124	73	48	157	30	173	198	260	54	73	98	162	82	UK217D1;H2317X UK217D1;HA2317X UK217D1;HE2317X	
		1 ¹ / ₂	¹ / ₃₂	4 ⁷ / ₈	2 ⁷ / ₈	1 ⁷ / ₈	6 ³ / ₁₆	1.181	6 ¹³ / ₁₆	7 ²⁵ / ₃₂	10 ¹ / ₄	2 ¹ / ₈	2 ⁷ / ₈	3 ²⁷ / ₃₂	6 ³ / ₈	3.228		

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



Cast dust cover type
Open end **C-UKT...D1**
Closed end **CM-UKT...D1**

Housing number	Unit number pressed steel dust cover type	Unit number cast dust cover type	Nominal dimensions				Mass of unit		
			mm inch				kg lb		
			t max.	A ₄	L ₄	A ₅	UKT	Z(ZM)	C(CM)
T213D1 T213D1 T213D1 T213D1	Z(ZM)-UKT213D1;H2313X Z(ZM)-UKT213AD1;HA2313 Z(ZM)-UKT213ED1;HE2313X Z(ZM)-UKT213SD1;HS2313X	C(CM)-UKT213D1;H2313X C(CM)-UKT213AD1;HA2313 C(CM)-UKT213ED1;HE2313X C(CM)-UKT213SD1;HS2313X	4 5/32	91 3 19/32	224 8 13/16	120 4 23/32	7.1 16	7.4 16	8.8 19
T215D1 T215D1 T215D1	— — —	C(CM)-UKT215D1;H2315X C(CM)-UKT215AD1;HA2315 C(CM)-UKT215ED1;HE2315X	4 5/32	— —	232 9 1/8	135 5 5/16	7.7 17	— —	10 22
T216D1 T216D1 T216D1	— — —	C(CM)-UKT216D1;H2316X C(CM)-UKT216AD1;HA2316 C(CM)-UKT216ED1;HE2316X	4 5/32	— —	235 9 1/4	145 5 23/32	8.7 19	— —	12 26
T217D1 T217D1 T217D1	— — —	C(CM)-UKT217D1;H2317X C(CM)-UKT217AD1;HA2317X C(CM)-UKT217ED1;HE2317X	5 13/64	— —	260 10 1/4	155 6 3/32	11 24	— —	15 33

Take-up unit, cast housing
Adapter type



Shaft dia. mm inch	Unit number ⁽¹⁾ (²)(³)	Nominal dimensions															
		mm inch															
		N ₁	L ₂	H ₂	N ₂	N	L ₃	A ₁	H ₁	H	L	A ₂	A	r	L ₁	B ₁	
20 3/4	UKT305D1;H2305X UKT305D1;HE2305	16 5/8	14 9/16	62 2 7/16	36 1 13/32	26 1 1/32	65 2 9/16	12 0.472	80 2 5/32	89 3 1/2	122 4 13/16	26 1 1/32	36 1 13/32	46 1 13/16	76 3	35 1.378	
25 7/8 1	UKT306D1;H2306X UKT306D1;HS2306 UKT306D1;HE2306X	18 23/32	16 5/8	70 2 3/4	41 1 5/8	28 1 3/32	74 2 29/32	16 0.630	90 3 35/64	100 3 15/16	137 5 13/32	28 1 3/32	41 1 5/8	52 2 1/16	85 3 11/32	38 1.496	
30 1 1/8	UKT307D1;H2307X UKT307D1;HS2307	20 25/32	17 21/32	75 2 15/16	45 1 25/32	30 1 1/16	80 3 5/32	16 0.630	100 3 15/16	111 4 3/8	150 5 29/32	32 1 1/4	45 1 25/32	56 2 7/32	94 3 11/16	43 1.693	
35 1 1/4 1 3/8	UKT308D1;H2308X UKT308D1;HE2308X UKT308D1;HS2308X	22 7/8	19 3/4	83 3 3/4	50 1 31/32	32 1 1/4	89 3 1/2	18 0.709	112 4 13/32	124 4 7/8	162 6 3/8	34 1 11/32	50 1 31/32	62 2 7/16	100 3 15/16	46 1.811	
40 1 7/16 1 1/2 1 5/8	UKT309D1;H2309X UKT309D1;HA2309 UKT309D1;HE2309X UKT309D1;HS2309X	24 15/16	20 25/32	90 3 17/32	55 2 5/32	34 1 11/32	97 3 13/16	18 0.709	125 4 59/64	138 5 7/16	178 7	38 1 1/2	55 2 5/32	68 2 11/16	110 4 11/32	50 1.969	
45 1 5/8 1 11/16 1 3/4	UKT310D1;H2310X UKT310D1;HS2310 UKT310D1;HA2310 UKT310D1;HE2310X	27 1 1/16	22 7/8	98 3 27/32	61 2 13/32	37 1 15/32	106 4 3/16	20 0.787	140 5 33/64	151 5 15/16	192 7 9/16	40 1 9/16	61 2 13/32	74 2 29/32	118 4 21/32	55 2.165	
50 1 7/8 1 15/16 2	UKT311D1;H2311X UKT311D1;HS2311 UKT311D1;HA2311 UKT311D1;HE2311XY	29 1 5/32	23 29/32	105 4 1/8	66 2 19/32	39 1 17/32	115 4 17/32	22 0.866	150 5 29/32	163 6 13/32	207 8 5/32	44 1 23/32	66 2 19/32	80 3 5/32	127 5	59 2.323	
55 2 1/8	UKT312D1;H2312X UKT312D1;HS2312	31 1 7/32	25 31/32	113 4 1/16	71 2 25/32	41 1 5/8	123 4 27/32	22 0.866	160 6 19/64	178 7	220 8 21/32	46 1 13/16	71 2 25/32	85 3 11/32	135 5 5/16	62 2.441	

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

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



Cast dust cover type
Open end C-UKT...D1
Closed end CM-UKT...D1

Bearing number	Housing number	Unit number cast dust cover type	Nominal dimensions			Mass of unit	
			mm inch			kg lb	
			t max.	L ₄	A ₅	UKT	C(CM)
UK305D1;H2305X UK305D1;HE2305	T305D1 T305D1	C(CM)-UKT305D1;H2305X C(CM)-UKT305ED1;HE2305	2 5/64	122 4 13/16	80 3 5/32	1.4 3.1	1.9 4.2
UK306D1;H2306X UK306D1;HS2306 UK306D1;HE2306X	T306D1 T306D1 T306D1	C(CM)-UKT306D1;H2306X C(CM)-UKT306SD1;HS2306 C(CM)-UKT306ED1;HE2306X	2 5/64	139 5 31/32	85 3 11/32	1.8 4.0	2.5 5.5
UK307D1;H2307X UK307D1;HS2307	T307D1 T307D1	C(CM)-UKT307D1;H2307X C(CM)-UKT307SD1;HS2307	3 1/8	152 5 31/32	95 3 3/4	2.4 5.3	3.3 7.3
UK308D1;H2308X UK308D1;HE2308X UK308D1;HS2308X	T308D1 T308D1 T308D1	C(CM)-UKT308D1;H2308X C(CM)-UKT308ED1;HE2308X C(CM)-UKT308SD1;HS2308X	3 1/8	164 6 15/32	105 4 1/8	3.0 6.6	4.3 9.5
UK309D1;H2309X UK309D1;HA2309 UK309D1;HE2309X UK309D1;HS2309X	T309D1 T309D1 T309D1 T309D1	C(CM)-UKT309D1;H2309X C(CM)-UKT309AD1;HA2309 C(CM)-UKT309ED1;HE2309X C(CM)-UKT309SD1;HS2309X	3 1/8	181 7 1/8	110 4 11/32	4.0 8.8	5.6 12
UK310D1;H2310X UK310D1;HS2310 UK310D1;HA2310 UK310D1;HE2310X	T310D1 T310D1 T310D1 T310D1	C(CM)-UKT310D1;H2310X C(CM)-UKT310SD1;HS2310 C(CM)-UKT310AD1;HA2310 C(CM)-UKT310ED1;HE2310X	3 1/8	197 7 3/4	120 4 23/32	5.1 11	7.1 16
UK311D1;H2311X UK311D1;HS2311 UK311D1;HA2311 UK311D1;HE2311XY	T311D1 T311D1 T311D1 T311D1	C(CM)-UKT311D1;H2311X C(CM)-UKT311SD1;HS2311 C(CM)-UKT311AD1;HA2311 C(CM)-UKT311ED1;HE2311XY	4 5/32	211 8 5/16	125 4 29/32	6.3 14	8.6 19
UK312D1;H2312X UK312D1;HS2312	T312D1 T312D1	C(CM)-UKT312D1;H2312X C(CM)-UKT312SD1;HS2312	4 5/32	227 8 15/16	135 5 5/16	7.6 17	10 22

Take-up unit, cast housing
Adapter type



Shaft dia. mm inch	Unit number ⁽¹⁾ (⁽²⁾)	Nominal dimensions														
		mm inch														
		N ₁	L ₂	H ₂	N ₂	N	L ₃	A ₁	H ₁	H	L	A ₂	A	r	L ₁	B ₁
60 2 3/16 2 1/4 2 3/8	UKT313D1;H2313X UKT313D1;HA2313 UKT313D1;HE2313X UKT313D1;HS2313X	32 1 1/4	27 1 1/16	116 4 9/16	70 2 3/4	43 1 11/16	134 5 9/32	26 1.024	170 6 11/16	190 7 15/32	238 9 3/8	50 1 31/32	80 3 5/32	92 3 3/8	146 5 3/4	65 2.559
65 2 7/16 2 1/2	UKT315D1;H2315X UKT315D1;HA2315 UKT315D1;HE2315X	36 1 13/32	27 1 1/16	132 5 3/16	85 3 11/32	46 1 13/16	150 5 29/32	26 1.024	192 7 9/16	216 8 1/2	262 10 5/16	55 2 5/32	90 3 17/32	102 4 1/32	160 6 5/16	73 2.874
70 2 11/16 2 3/4	UKT316D1;H2316X UKT316D1;HA2316 UKT316D1;HE2316X	42 1 21/32	30 1 3/16	150 5 29/32	98 3 27/32	53 2 3/32	160 6 5/16	30 1.181	204 8 1/32	230 9 1/16	282 11 3/32	60 2 3/8	102 4 1/32	108 4 1/4	174 6 27/32	78 3.071
75 2 15/16 3	UKT317D1;H2317X UKT317D1;HA2317X UKT317D1;HE2317X	42 1 21/32	32 1 1/4	152 5 31/32	98 3 27/32	53 2 3/32	170 6 11/16	32 1.260	214 8 27/64	240 9 7/16	298 11 23/32	64 2 17/32	102 4 1/32	115 4 17/32	183 7 7/32	82 3.228
80 3 3/16	UKT318D1;H2318X UKT318D1;HA2318X	46 1 13/16	32 1 1/4	160 6 5/16	106 4 3/16	57 2 1/4	175 6 7/8	32 1.260	228 8 31/32	255 10 1/32	312 12 9/32	66 2 19/32	110 4 11/32	120 4 23/32	192 7 9/16	86 3.386
85 3 1/4	UKT319D1;H2319X UKT319D1;HE2319X	46 1 13/16	33 1 5/16	165 6 1/2	106 4 3/16	57 2 1/4	180 7 3/32	35 1.378	240 9 29/64	270 10 5/8	322 12 11/16	72 2 27/32	110 4 11/32	125 4 29/32	197 7 3/4	90 3.543
90 3 7/16 3 1/2	UKT320D1;H2320X UKT320D1;HA2320 UKT320D1;HE2320X	48 1 7/8	34 1 11/32	175 6 7/8	115 4 17/32	59 2 5/16	200 7 7/8	35 1.378	260 10 15/64	290 11 13/32	345 13 19/32	75 2 15/16	120 4 23/32	135 5 5/16	210 8 9/32	97 3.819
100	UKT322D1;H2322X	52	40	185	125	65	215	38	285	320	385	80	130	150	235	105
110	UKT324D1;H2324	60	44	210	140	70	230	45	320	355	432	90	140	165	267	112
115	UKT326D1;H2326	65	47	220	150	75	240	50	350	385	465	100	150	180	285	121
125	UKT328D1;H2328	70	52	230	160	80	255	50	380	415	515	100	155	200	315	131

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

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



Cast dust cover type
Open end C-UKT...D1
Closed end CM-UKT...D1

Bearing number	Housing number	Unit number cast dust cover type	Nominal dimensions			Mass of unit	
			mm inch			kg lb	
			t max.	L ₄	A ₅	UKT	C(CM)
UK313D1;H2313X UK313D1;HA2313 UK313D1;HE2313X UK313D1;HS2313X	T313D1 T313D1 T313D1 T313D1	C(CM)-UKT313D1;H2313X C(CM)-UKT313AD1;HA2313 C(CM)-UKT313ED1;HE2313X C(CM)-UKT313SD1;HS2313X	4 5/32	244 9 19/32	140 5 1/2	9.2 20	12 26
UK315D1;H2315X UK315D1;HA2315 UK315D1;HE2315X	T315D1 T315D1 T315D1	C(CM)-UKT315D1;H2315X C(CM)-UKT315AD1;HA2315 C(CM)-UKT315ED1;HE2315X	4 5/32	268 10 9/16	150 5 29/32	13 29	17 37
UK316D1;H2316X UK316D1;HA2316 UK316D1;HE2316X	T316D1 T316D1 T316D1	C(CM)-UKT316D1;H2316X C(CM)-UKT316AD1;HA2316 C(CM)-UKT316ED1;HE2316X	4 5/32	287 11 5/16	155 6 3/32	16 35	21 46
UK317D1;H2317X UK317D1;HA2317X UK317D1;HE2317X	T317D1 T317D1 T317D1	C(CM)-UKT317D1;H2317X C(CM)-UKT317AD1;HA2317X C(CM)-UKT317ED1;HE2317X	5 13/64	303 11 15/16	170 6 11/16	19 42	25 55
UK318D1;H2318X UK318D1;HA2318X	T318D1 T318D1	C(CM)-UKT318D1;H2318X C(CM)-UKT318AD1;HA2318X	5 13/64	317 12 15/32	170 6 11/16	21 46	28 62
UK319D1;H2319X UK319D1;HE2319X	T319D1 T319D1	C(CM)-UKT319D1;H2319X C(CM)-UKT319ED1;HE2319X	5 13/64	327 12 7/8	180 7 3/32	25 55	32 71
UK320D1;H2320X UK320D1;HA2320 UK320D1;HE2320X	T320D1 T320D1 T320D1	C(CM)-UKT320D1;H2320X C(CM)-UKT320AD1;HA2320 C(CM)-UKT320ED1;HE2320X	5 13/64	350 13 25/32	190 7 15/32	30 66	39 86
UK322D1;H2322X	T322D1	C(CM)-UKT322D1;H2322X	5	395	200	40	51
UK324D1;H2324	T324D1	C(CM)-UKT324D1;H2324	5	439	215	43	69
UK326D1;H2326	T326D1	C(CM)-UKT326D1;H2326	6	476	225	69	85
UK328D1;H2328	T328D1	C(CM)-UKT328D1;H2328	6	519	235	88	107

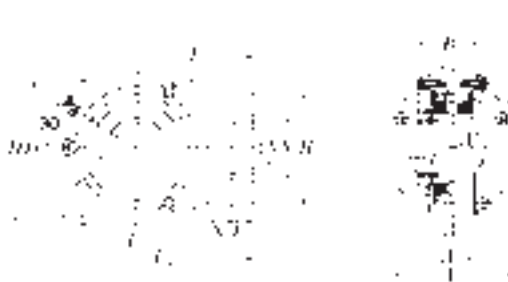
Take-up unit, cast housing
Adapter type



Shaft dia. mm inch	Unit number ⁽¹⁾⁽²⁾⁽³⁾	Nominal dimensions														
		mm inch														
		N ₁	L ₂	H ₂	N ₂	N	L ₃	A ₁	H ₁	H	L	A ₂	A	r	L ₁	B ₁
20 3/4	UKTX05D1;H2305X UKTX05D1;HE2305	16 5/8	12 15/32	56 2 7/32	37 1 15/32	22 7/8	57 2 1/4	12 0.472	89 3 1/2	102 4 1/32	113 4 7/16	28 1 3/32	37 1 15/32	43 1 11/16	70 2 3/4	35 1.378
25 7/8 1	UKTX06D1;H2306X UKTX06D1;HS2306 UKTX06D1;HE2306X	16 5/8	15 19/32	64 2 17/32	37 1 15/32	22 7/8	64 2 17/32	12 0.472	89 3 1/2	102 4 1/32	129 5 3/32	30 1 3/16	37 1 15/32	51 2	78 3 1/16	38 1.496
30 1 1/8	UKTX07D1;H2307X UKTX07D1;HS2307	19 3/4	17 21/32	83 3 9/32	49 1 15/16	29 1 5/32	83 3 9/32	16 0.630	102 4 1/64	114 4 1/2	144 5 21/32	36 1 13/32	49 1 15/16	56 2 7/32	88 3 15/32	43 1.693
35 1 1/4 1 3/8	UKTX08D1;H2308X UKTX08D1;HE2308X UKTX08D1;HS2308X	19 3/4	17 21/32	83 3 9/32	49 1 15/16	29 1 5/32	83 3 9/32	16 0.630	102 4 1/64	117 4 19/32	144 5 21/32	36 1 13/32	49 1 15/16	57 2 1/4	87 3 7/16	46 1.811
40 1 7/16 1 1/2 1 5/8	UKTX09D1;H2309X UKTX09D1;HA2309 UKTX09D1;HE2309X UKTX09D1;HS2309X	19 3/4	18 23/32	83 3 9/32	49 1 15/16	29 1 5/32	86 3 3/8	16 0.630	102 4 1/64	117 4 19/32	151 5 15/16	38 1 1/2	49 1 15/16	59 2 5/16	92 3 5/8	50 1.969
45 1 5/8 1 11/16 1 3/4	UKTX10D1;H2310X UKTX10D1;HS2310 UKTX10D1;HA2310 UKTX10D1;HE2310X	25 3 1/32	21 13/16	102 4 1/32	64 2 17/32	35 1 3/8	95 3 3/4	22 0.866	130 5 1/8	146 5 3/4	171 6 23/32	42 1 21/32	64 2 17/32	65 2 9/16	106 4 3/16	55 2.165
50 1 7/8 1 15/16 2	UKTX11D1;H2311X UKTX11D1;HS2311 UKTX11D1;HA2311 UKTX11D1;HE2311XY	32 1 1/4	21 13/16	102 4 1/32	64 2 17/32	35 1 3/8	102 4 1/32	22 0.866	130 5 1/8	146 5 3/4	194 7 5/8	44 1 23/32	64 2 17/32	75 2 15/16	119 4 11/16	59 2.323
55 2 1/8	UKTX12D1;H2312X UKTX12D1;HS2312	32 1 1/4	23 29/32	111 4 3/8	70 2 3/4	41 1 5/8	121 4 3/4	26 1.024	151 5 15/16	167 6 9/16	224 8 13/16	48 1 7/8	70 2 3/4	87 3 7/16	137 5 13/32	62 2.441

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

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



Cast dust cover type
Open end C-UKT...D1
Closed end CM-UKT...D1

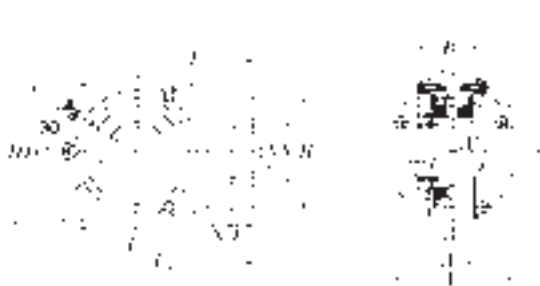
Bearing number	Housing number	Unit number cast dust cover type	Nominal dimensions			Mass of unit	
			mm inch			kg lb	
			t max.	L ₄	A ₅	UKT	C(CM)
UKX05D1;H2305X UKX05D1;HE2305	TX05D1 TX05D1	C(CM)-UKTX05D1;H2305X C(CM)-UKTX05ED1;HE2305	2 5/64	113.5 4 15/32	75 2 15/16	1.3 2.9	1.8 4.0
UKX06D1;H2306X UKX06D1;HS2306 UKX06D1;HE2306X	TX06D1 TX06D1 TX06D1	C(CM)-UKTX06D1;H2306X C(CM)-UKTX06SD1;HS2306 C(CM)-UKTX06ED1;HE2306X	2 5/64	129 5 3/32	80 3 5/32	1.7 3.7	2.2 4.9
UKX07D1;H2307X UKX07D1;HS2307	TX07D1 TX07D1	C(CM)-UKTX07D1;H2307X C(CM)-UKTX07SD1;HS2307	3 1/8	144 5 21/32	90 3 17/32	2.7 6.0	3.5 7.7
UKX08D1;H2308X UKX08D1;HE2308X UKX08D1;HS2308X	TX08D1 TX08D1 TX08D1	C(CM)-UKTX08D1;H2308X C(CM)-UKTX08ED1;HE2308X C(CM)-UKTX08SD1;HS2308X	3 1/8	144.5 5 11/16	95 3 3/4	2.8 6.2	3.7 8.2
UKX09D1;H2309X UKX09D1;HA2309 UKX09D1;HE2309X UKX09D1;HS2309X	TX09D1 TX09D1 TX09D1 TX09D1	C(CM)-UKTX09D1;H2309X C(CM)-UKTX09AD1;HA2309 C(CM)-UKTX09ED1;HE2309X C(CM)-UKTX09SD1;HS2309X	3 1/8	152 5 31/32	100 3 15/16	2.7 6.0	3.8 8.4
UKX10D1;H2310X UKX10D1;HS2310 UKX10D1;HA2310 UKX10D1;HE2310X	TX10D1 TX10D1 TX10D1 TX10D1	C(CM)-UKTX10D1;H2310X C(CM)-UKTX10SD1;HS2310 C(CM)-UKTX10AD1;HA2310 C(CM)-UKTX10ED1;HE2310X	3 1/8	171.5 6 3/4	100 3 15/16	4.3 9.5	5.5 12
UKX11D1;H2311X UKX11D1;HS2311 UKX11D1;HA2311 UKX11D1;HE2311XY	TX11D1 TX11D1 TX11D1 TX11D1	C(CM)-UKTX11D1;H2311X C(CM)-UKTX11SD1;HS2311 C(CM)-UKTX11AD1;HA2311 C(CM)-UKTX11ED1;HE2311XY	4 5/32	194 7 5/8	115 4 17/32	5.1 11	6.6 15
UKX12D1;H2312X UKX12D1;HS2312	TX12D1 TX12D1	C(CM)-UKTX12D1;H2312X C(CM)-UKTX12SD1;HS2312	4 5/32	224 8 13/16	120 4 23/32	7.2 16	9.0 20

Take-up unit, cast housing
Adapter type



Shaft dia. mm inch	Unit number ⁽¹⁾⁽²⁾	Nominal dimensions														
		mm inch														
		N ₁	L ₂	H ₂	N ₂	N	L ₃	A ₁	H ₁	H	L	A ₂	A	r	L ₁	B ₁
60 2 3/16 2 1/4 2 3/8	UKTX13D1;H2313X UKTX13D1;HA2313 UKTX13D1;HE2313X UKTX13D1;HS2313X	32	23	111	70	41	121	26	151	167	224	48	70	87	137	65
		1 1/4	29/32	4 3/8	2 3/4	1 5/8	4 3/4	1.024	5 15/16	6 9/16	8 13/16	1 7/8	2 3/4	3 7/16	5 13/32	2.559
65 2 7/16 2 1/2	UKTX15D1;H2315X UKTX15D1;HA2315 UKTX15D1;HE2315X	32	23	111	70	41	121	28	165	184	235	48	70	95	140	73
		1 1/4	29/32	4 3/8	2 3/4	1 5/8	4 3/4	1.102	6 1/2	7 1/4	9 1/4	1 7/8	2 3/4	3 3/4	5 1/2	2.874
70 2 11/16 2 3/4	UKTX16D1;H2316X UKTX16D1;HA2316 UKTX16D1;HE2316X	38	30	124	73	48	157	28	173	198	260	54	73	98	162	78
		1 1/2	1 3/16	4 7/8	2 7/8	1 7/8	6 3/16	1.102	6 13/16	7 25/32	10 1/4	2 1/8	2 7/8	3 27/32	6 3/8	3.071
75 2 15/16 3	UKTX17D1;H2317X UKTX17D1;HA2317X UKTX17D1;HE2317X	38	30	124	73	48	157	28	173	198	260	54	73	98	162	82
		1 1/2	1 3/16	4 7/8	2 7/8	1 7/8	6 3/16	1.102	6 13/16	7 25/32	10 1/4	2 1/8	2 7/8	3 27/32	6 3/8	3.228

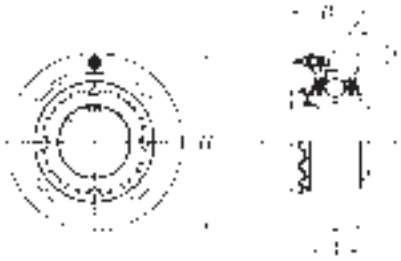
Notes ⁽¹⁾ These numbers indicate relubricatable type. If maintenance free type is needed, please order without suffix "D1".
⁽²⁾ Adapter number with suffix "X" means a narrow slot type adapter sleeve.
In this case the lock washer with the straight inner prong should be used.
Remarks Please refer to page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



Cast dust cover type
Open end C-UKT...D1
Closed end CM-UKT...D1

Bearing number	Housing number	Unit number cast dust cover type	Nominal dimensions			Mass of unit	
			mm inch			kg lb	
			t max.	L ₄	A ₅	UKT	C(CM)
UKX13D1;H2313X UKX13D1;HA2313 UKX13D1;HE2313X UKX13D1;HS2313X	TX13D1 TX13D1 TX13D1 TX13D1	C(CM)-UKTX13D1;H2313X C(CM)-UKTX13AD1;HA2313 C(CM)-UKTX13ED1;HE2313X C(CM)-UKTX13SD1;HS2313X	4 5/32	224 8 13/16	135 5 5/16	7.2 16	9.5 21
UKX15D1;H2315X UKX15D1;HA2315 UKX15D1;HE2315X	TX15D1 TX15D1 TX15D1	C(CM)-UKTX15D1;H2315X C(CM)-UKTX15AD1;HA2315 C(CM)-UKTX15ED1;HE2315X	4 5/32	235 9 1/4	145 5 23/32	8.5 19	11 24
UKX16D1;H2316X UKX16D1;HA2316 UKX16D1;HE2316X	TX16D1 TX16D1 TX16D1	C(CM)-UKTX16D1;H2316X C(CM)-UKTX16AD1;HA2316 C(CM)-UKTX16ED1;HE2316X	4 5/32	260 10 1/4	155 6 3/32	11 24	14 31
UKX17D1;H2317X UKX17D1;HA2317X UKX17D1;HE2317X	TX17D1 TX17D1 TX17D1	C(CM)-UKTX17D1;H2317X C(CM)-UKTX17AD1;HA2317X C(CM)-UKTX17ED1;HE2317X	5 13/64	262 10 5/16	165 6 1/2	11 24	15 33

Cartridge unit, cast housing
Adapter type

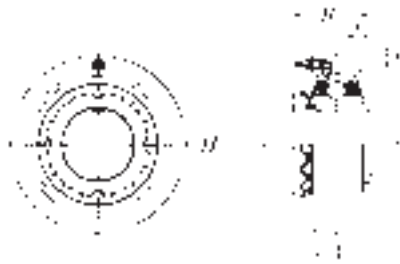


Shaft dia. mm inch	Unit number ⁽¹⁾ (⁽²⁾)	Nominal dimensions				Bearing number	Housing number	Mass of unit kg lb
		<i>H</i>	<i>A</i>	<i>r</i>	<i>B</i> ₁			
20 3/4	UKC205D1;H2305X	80	22	2	35	UK205D1;H2305X	C205D1	0.7
	UKC205D1;HE2305	3.1496	55/64	0.079	1.378	UK205D1;HE2305	C205D1	1.5
25 7/8 1	UKC206D1;H2306X	85	27	2	38	UK206D1;H2306X	C206D1	0.9
	UKC206D1;HS2306 UKC206D1;HE2306X	3.3465	1 1/16	0.079	1.496	UK206D1;HS2306 UK206D1;HE2306X	C206D1 C206D1	2.0
30 1 1/8	UKC207D1;H2307X	90	28	2	43	UK207D1;H2307X	C207D1	1.0
	UKC207D1;HS2307	3.5433	1 7/64	0.079	1.693	UK207D1;HS2307	C207D1	2.2
35 1 1/4 1 3/8	UKC208D1;H2308X	100	30	2.5	46	UK208D1;H2308X	C208D1	1.3
	UKC208D1;HE2308X UKC208D1;HS2308X	3.9370	1 3/16	0.098	1.811	UK208D1;HE2308X UK208D1;HS2308X	C208D1 C208D1	2.9
40 1 7/16 1 1/2 1 5/8	UKC209D1;H2309X	110	31	2.5	50	UK209D1;H2309X	C209D1	1.6
	UKC209D1;HA2309 UKC209D1;HE2309X UKC209D1;HS2309X	4.3307	1 7/32	0.098	1.969	UK209D1;HA2309 UK209D1;HE2309X UK209D1;HS2309X	C209D1 C209D1 C209D1	3.5
45 1 5/8 1 11/16 1 3/4	UKC210D1;H2310X	120	33	2.5	55	UK210D1;H2310X	C210D1	2.1
	UKC210D1;HS2310 UKC210D1;HA2310 UKC210D1;HE2310X	4.7244	1 19/64	0.098	2.165	UK210D1;HS2310 UK210D1;HA2310 UK210D1;HE2310X	C210D1 C210D1 C210D1	4.6
50 1 7/8 1 15/16 2	UKC211D1;H2311X	125	35	2.5	59	UK211D1;H2311X	C211D1	2.3
	UKC211D1;HS2311 UKC211D1;HA2311 UKC211D1;HE2311XY	4.9213	1 3/8	0.098	2.323	UK211D1;HS2311 UK211D1;HA2311 UK211D1;HE2311XY	C211D1 C211D1 C211D1	5.1
55 2 1/8	UKC212D1;H2312X	130	38	2.5	62	UK212D1;H2312X	C212D1	2.6
	UKC212D1;HS2312	5.1181	1 1/2	0.098	2.441	UK212D1;HS2312	C212D1	5.7
60 2 3/16 2 1/4 2 3/8	UKC213D1;H2313X	140	40	3	65	UK213D1;H2313X	C213D1	3.2
	UKC213D1;HA2313 UKC213D1;HE2313X UKC213D1;HS2313X	5.5118	1 37/64	0.118	2.559	UK213D1;HA2313 UK213D1;HE2313X UK213D1;HS2313X	C213D1 C213D1 C213D1	7.1

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

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

Cartridge unit, cast housing
Adapter type



Shaft dia. mm inch	Unit number ⁽¹⁾ (²)	Nominal dimensions				Bearing number	Housing number	Mass of unit kg lb
		mm inch						
		H	A	r	B ₁			
20 3/4	UKC305D1;H2305X	90	26	2.5	35	UK305D1;H2305X	C305D1	1.0
	UKC305D1;HE2305	3.5433	1 1/32	0.098	1.378	UK305D1;HE2305	C305D1	2.2
25 7/8 1	UKC306D1;H2306X	100	28	2.5	38	UK306D1;H2306X	C306D1	1.3
	UKC306D1;HS2306 UKC306D1;HE2306X	3.9370	1 7/64	0.098	1.496	UK306D1;HS2306 UK306D1;HE2306X	C306D1 C306D1	2.9
30 1 1/8	UKC307D1;H2307X	110	32	3	43	UK307D1;H2307X	C307D1	1.8
	UKC307D1;HS2307	4.3307	1 17/64	0.118	1.693	UK307D1;HS2307	C307D1	4.0
35 1 1/4 1 3/8	UKC308D1;H2308X	120	34	3	46	UK308D1;H2308X	C308D1	2.2
	UKC308D1;HE2308X UKC308D1;HS2308X	4.7244	1 11/32	0.118	1.811	UK308D1;HE2308X UK308D1;HS2308X	C308D1 C308D1	4.9
40 1 7/16 1 1/2 1 5/8	UKC309D1;H2309X	130	38	3.5	50	UK309D1;H2309X	C309D1	2.7
	UKC309D1;HA2309 UKC309D1;HE2309X UKC309D1;HS2309X	5.1181	1 1/2	0.138	1.969	UK309D1;HA2309 UK309D1;HE2309X UK309D1;HS2309X	C309D1 C309D1 C309D1	6.0
45 1 5/8 1 11/16 1 3/4	UKC310D1;H2310X	140	40	3.5	55	UK310D1;H2310X	C310D1	3.4
	UKC310D1;HS2310 UKC310D1;HA2310 UKC310D1;HE2310X	5.5118	1 37/64	0.138	2.165	UK310D1;HS2310 UK310D1;HA2310 UK310D1;HE2310X	C310D1 C310D1 C310D1	7.5
50 1 7/8 1 15/16 2	UKC311D1;H2311X	150	44	3.5	59	UK311D1;H2311X	C311D1	4.0
	UKC311D1;HS2311 UKC311D1;HA2311 UKC311D1;HE2311XY	5.9055	1 47/64	0.138	2.323	UK311D1;HS2311 UK311D1;HA2311 UK311D1;HE2311XY	C311D1 C311D1 C311D1	8.8
55 2 1/8	UKC312D1;H2312X	160	46	3.5	62	UK312D1;H2312X	C312D1	4.8
	UKC312D1;HS2312	6.2992	1 13/16	0.138	2.441	UK312D1;HS2312	C312D1	11
60 2 3/16 2 1/4 2 3/8	UKC313D1;H2313X	170	50	3.5	65	UK313D1;H2313X	C313D1	5.6
	UKC313D1;HA2313 UKC313D1;HE2313X UKC313D1;HS2313X	6.6929	1 31/32	0.138	2.559	UK313D1;HA2313 UK313D1;HE2313X UK313D1;HS2313X	C313D1 C313D1 C313D1	12

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

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

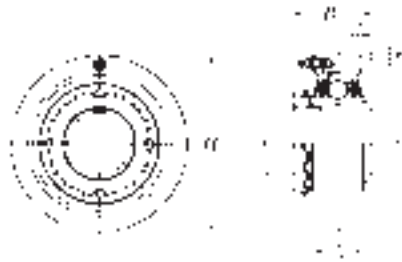


Shaft dia. mm inch	Unit number ⁽¹⁾ (²)	Nominal dimensions				Bearing number	Housing number	Mass of unit kg lb
		mm inch						
		H	A	r	B ₁			
65 2 ⁷ / ₁₆ 2 ¹ / ₂	UKC315D1;H2315X	190	55	4	73	UK315D1;H2315X	C315D1	7.9
	UKC315D1;HA2315	7.4803	2 ¹¹ / ₆₄	0.157	2.874	UK315D1;HA2315	C315D1	17
	UKC315D1;HE2315X					UK315D1;HE2315X	C315D1	
70 2 ¹¹ / ₁₆ 2 ³ / ₄	UKC316D1;H2316X	200	60	4	78	UK316D1;H2316X	C316D1	9.4
	UKC316D1;HA2316	7.8740	2 ²³ / ₆₄	0.157	3.071	UK316D1;HA2316	C316D1	21
	UKC316D1;HE2316X					UK316D1;HE2316X	C316D1	
75 2 ¹⁵ / ₁₆ 3	UKC317D1;H2317X	215	64	4	82	UK317D1;H2317X	C317D1	11
	UKC317D1;HA2317X	8.4646	2 ³³ / ₆₄	0.157	3.228	UK317D1;HA2317X	C317D1	24
	UKC317D1;HE2317X					UK317D1;HE2317X	C317D1	
80 3 ³ / ₁₆	UKC318D1;H2318X	225	66	4	86	UK318D1;H2318X	C318D1	13
	UKC318D1;HA2318X	8.8583	2 ¹⁹ / ₃₂	0.157	3.386	UK318D1;HA2318X	C318D1	29
85 3 ¹ / ₄	UKC319D1;H2319X	240	72	4	90	UK319D1;H2319X	C319D1	16
	UKC319D1;HE2319X	9.4488	2 ⁵³ / ₆₄	0.157	3.543	UK319D1;HE2319X	C319D1	35
90 3 ⁷ / ₁₆ 3 ¹ / ₂	UKC320D1;H2320X	260	75	4	97	UK320D1;H2320X	C320D1	20
	UKC320D1;HA2320	10.2362	2 ⁶¹ / ₆₄	0.157	3.819	UK320D1;HA2320	C320D1	44
	UKC320D1;HE2320X					UK320D1;HE2320X	C320D1	
100	UKC322D1;H2322X	300	80	5	105	UK322D1;H2322X	C322D1	29
110	UKC324D1;H2324	320	90	5	112	UK324D1;H2324	C324D1	35
115	UKC326D1;H2326	340	100	5	121	UK326D1;H2326	C326D1	43
125	UKC328D1;H2328	360	100	5	131	UK328D1;H2328	C328D1	50

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

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

Cartridge unit, cast housing
Adapter type



Shaft dia. mm inch	Unit number ⁽¹⁾ (⁽²⁾)	Nominal dimensions				Bearing number	Housing number	Mass of unit kg lb
		mm inch						
		<i>H</i>	<i>A</i>	<i>r</i>	<i>B</i> ₁			
20 3/4	UKCX05D1;H2305X	90	27	2	35	UKX05D1;H2305X	CX05D1	1.1
	UKCX05D1;HE2305	3.5433	1 1/16	0.079	1.378	UKX05D1;HE2305	CX05D1	2.4
25 7/8 1	UKCX06D1;H2306X	100	30	2.5	38	UKX06D1;H2306X	CX06D1	1.4
	UKCX06D1;HS2306 UKCX06D1;HE2306X	3.9370	1 3/16	0.098	1.496	UKX06D1;HS2306 UKX06D1;HE2306X	CX06D1 CX06D1	3.1
30 1 1/8	UKCX07D1;H2307X	110	34	2.5	43	UKX07D1;H2307X	CX07D1	1.8
	UKCX07D1;HS2307	4.3307	1 11/32	0.098	1.693	UKX07D1;HS2307	CX07D1	4.0
35 1 1/4 1 3/8	UKCX08D1;H2308X	120	38	2.5	46	UKX08D1;H2308X	CX08D1	2.5
	UKCX08D1;HE2308X UKCX08D1;HS2308X	4.7244	1 1/2	0.098	1.811	UKX08D1;HE2308X UKX08D1;HS2308X	CX08D1 CX08D1	5.5
40 1 7/16 1 1/2 1 5/8	UKCX09D1;H2309X	120	38	2.5	50	UKX09D1;H2309X	CX09D1	2.2
	UKCX09D1;HA2309 UKCX09D1;HE2309X UKCX09D1;HS2309X	4.7244	1 1/2	0.098	1.969	UKX09D1;HA2309 UKX09D1;HE2309X UKX09D1;HS2309X	CX09D1 CX09D1 CX09D1	4.9
45 1 5/8 1 11/16 1 3/4	UKCX10D1;H2310X	130	40	2.5	55	UKX10D1;H2310X	CX10D1	2.7
	UKCX10D1;HS2310 UKCX10D1;HA2310 UKCX10D1;HE2310X	5.1181	1 37/64	0.098	2.165	UKX10D1;HS2310 UKX10D1;HA2310 UKX10D1;HE2310X	CX10D1 CX10D1 CX10D1	6.0
50 1 7/8 1 15/16 2	UKCX11D1;H2311X	150	42	3	59	UKX11D1;H2311X	CX11D1	4.0
	UKCX11D1;HS2311 UKCX11D1;HA2311 UKCX11D1;HE2311XY	5.9055	1 21/32	0.118	2.323	UKX11D1;HS2311 UKX11D1;HA2311 UKX11D1;HE2311XY	CX11D1 CX11D1 CX11D1	8.8
55 2 1/8	UKCX12D1;H2312X	160	44	3	62	UKX12D1;H2312X	CX12D1	3.9
	UKCX12D1;HS2312	6.2992	1 47/64	0.118	2.441	UKX12D1;HS2312	CX12D1	8.6

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

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

Ball bearings
Set screw type



Shaft dia. mm inch	Bearing (¹) number	Nominal dimensions										
		d	D	B	C	r min.	mm inch		G	ds	d4	F
							S	S1				
12 ½	UC201D1 UC201-008D1	12 0.5000	47 1.8504	31 1.2205	17 0.6693	0.6 0.024	12.7 0.500	18.3 0.720	4.5 0.177	M5×0.8 No.10-32UNF	29.6 1.1654	4.7 0.185
15 9/16 5/8	UC202D1 UC202-009D1 UC202-010D1	15 0.5625 0.6250	47 1.8504	31 1.2205	17 0.6693	0.6 0.024	12.7 0.500	18.3 0.720	4.5 0.177	M5×0.8 No.10-32UNF	29.6 1.1654	4.7 0.185
17 11/16	UC203D1 UC203-011D1	17 0.6875	47 1.8504	31 1.2205	17 0.6693	0.6 0.024	12.7 0.500	18.3 0.720	4.5 0.177	M5×0.8 No.10-32UNF	29.6 1.1654	4.7 0.185
20 ¾	UC204D1 UC204-012D1	20 0.7500	47 1.8504	31 1.2205	17 0.6693	1 0.039	12.7 0.500	18.3 0.720	4.5 0.177	M5×0.8 No.10-32UNF	29.6 1.1654	4.7 0.185
25 13/16 7/8 15/16 1	UC205D1 UC205-013D1 UC205-014D1 UC205-015D1 UC205-100D1	25 0.8125 0.8750 0.9375 1.0000	52 2.0472	34.1 1.3425	17 0.6693	1 0.039	14.3 0.563	19.8 0.780	5 0.197	M5×0.8 No.10-32UNF	33.9 1.3346	4.5 0.177
30 1 1/16 1 1/8 1 3/16 1 1/4	UC206D1 UC206-101D1 UC206-102D1 UC206-103D1 UC206-104D1	30 1.0625 1.1250 1.1875 1.2500	62 2.4409	38.1 1.5000	19 0.7480	1 0.039	15.9 0.626	22.2 0.874	5 0.197	M6×0.75 ¼-28UNF	40.8 1.6063	4.6 0.181
35 1 1/4 1 5/16 1 3/8 1 7/16	UC207D1 UC207-104D1 UC207-105D1 UC207-106D1 UC207-107D1	35 1.2500 1.3125 1.3750 1.4375	72 2.8346	42.9 1.6890	20 0.7874	1.5 0.059	17.5 0.689	25.4 1.000	6 0.236	M6×0.75 ¼-28UNF	46.8 1.8425	4.6 0.181
40 1 1/2 1 9/16	UC208D1 UC208-108D1 UC208-109D1	40 1.5000 1.5625	80 3.1496	49.2 1.9370	21 0.8268	1.5 0.059	19 0.748	30.2 1.189	8 0.315	M8×1 5/16-24UNF	53 2.0866	4.5 0.177
45 1 5/8 1 11/16 1 3/4	UC209D1 UC209-110D1 UC209-111D1 UC209-112D1	45 1.6250 1.6875 1.7500	85 3.3465	49.2 1.9370	22 0.8661	1.5 0.059	19 0.748	30.2 1.189	8 0.315	M8×1 5/16-24UNF	57.5 2.2638	4.9 0.193

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

Basic load ratings		Mass
N lbf		kg lb
dynamic C_r	static C_{0r}	
12 800	6 650	0.21
2 890	1 500	0.46
12 800	6 650	0.20
2 890	1 500	0.44
		0.42
12 800	6 650	0.18
2 890	1 500	0.39
12 800	6 650	0.17
2 890	1 500	0.39
14 000	7 850	0.20
		0.53
3 150	1 770	0.51
		0.46
		0.44
19 500	11 300	0.32
		0.82
4 400	2 540	0.77
		0.73
		0.66
25 700	15 300	0.46
		1.21
5 750	3 450	1.15
		1.08
		1.01
29 100	17 800	0.64
		1.52
6 550	4 000	1.46
32 500	20 400	0.68
		1.76
7 350	4 600	1.68
		1.57

Ball bearings
Set screw type



Shaft dia. mm inch	Bearing (¹) number	Nominal dimensions										
		<i>d</i>	<i>D</i>	<i>B</i>	<i>C</i>	<i>r</i> min.	<i>S</i> mm	<i>S</i> ₁ inch	<i>G</i>	<i>d</i> _s	<i>d</i> ₄	<i>F</i>
50	UC210D1	50	90	51.6	24	1.5	19	32.6	9	M8×1	62.4	5.9
1 ¹³ / ₁₆	UC210-113D1	1.8125										
1 ⁷ / ₈	UC210-114D1	1.8750	3.5433	2.0315	0.9449	0.059	0.748	1.283	0.354	⁵ / ₁₆ -24UNF	2.4567	0.232
1 ¹⁵ / ₁₆	UC210-115D1	1.9375										
2	UC210-200D1	2.0000										
55	UC211D1	55	100	55.6	25	2	22.2	33.4	9	M8×1	69	6.0
2	UC211-200D1	2.0000										
2 ¹ / ₁₆	UC211-201D1	2.0625	3.9370	2.1890	0.9843	0.079	0.874	1.315	0.354	⁵ / ₁₆ -24UNF	2.7165	0.236
2 ¹ / ₈	UC211-202D1	2.1250										
2 ³ / ₁₆	UC211-203D1	2.1875										
60	UC212D1	60	110	65.1	27	2	25.4	39.7	10	M10×1.25	77	6.2
2 ¹ / ₄	UC212-204D1	2.2500										
2 ⁵ / ₁₆	UC212-205D1	2.3125	4.3307	2.5630	1.0630	0.079	1.000	1.563	0.394	³ / ₈ -24UNF	3.0315	0.244
2 ³ / ₈	UC212-206D1	2.3750										
2 ⁷ / ₁₆	UC212-207D1	2.4375										
65	UC213D1	65	120	65.1	32	2	25.4	39.7	10	M10×1.25	82.5	8.7
2 ¹ / ₂	UC213-208D1	2.5000	4.7244	2.5630	1.2598	0.079	1.000	1.563	0.394	³ / ₈ -24UNF	3.2480	0.343
2 ⁹ / ₁₆	UC213-209D1	2.5625										
70	UC214D1	70	125	74.6	33	2	30.2	44.4	12	M10×1.25	87	8.8
2 ⁵ / ₈	UC214-210D1	2.6250										
2 ¹¹ / ₁₆	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
2 ³ / ₄	UC214-212D1	2.7500										
75	UC215D1	75	130	77.8	34	2	33.3	44.5	12	M10×1.25	93	9.0
2 ¹³ / ₁₆	UC215-213D1	2.8125										
2 ⁷ / ₈	UC215-214D1	2.8750	5.1181	3.0630	1.3386	0.079	1.311	1.752	0.472	³ / ₈ -24UNF	3.6614	0.354
2 ¹⁵ / ₁₆	UC215-215D1	2.9375										
3	UC215-300D1	3.0000										
80	UC216D1	80	140	82.6	35	2.5	33.3	49.3	12	M10×1.25	98.1	9.5
3 ¹ / ₁₆	UC216-301D1	3.0625										
3 ¹ / ₈	UC216-302D1	3.1250	5.5118	3.2520	1.3780	0.098	1.311	1.941	0.472	³ / ₈ -24UNF	3.8622	0.374
3 ³ / ₁₆	UC216-303D1	3.1875										

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

Basic load ratings		Mass
N lbf		kg lb
dynamic <i>C</i> _r	static <i>C</i> _{0r}	
35 000	23 200	0.78 2.03
7 900	5 200	1.92 1.81 1.69
43 500	29 200	1.04 2.71
9 750	6 550	2.60 2.46 2.34
52 500	36 000	1.46 3.66
11 800	8 150	3.50 3.33 3.17
57 500	40 000	1.86 4.26
12 900	9 000	4.09
62 000	44 000	2.10 5.09
14 000	9 900	4.87 4.65
66 000	49 500	2.34 5.73
14 900	11 100	5.49 5.25 4.98
72 500	53 000	2.78 6.57
16 300	11 900	6.28 6.00

Ball bearings
Set screw type



Shaft dia.	Bearing (1) number	Nominal dimensions										
		<i>d</i>	<i>D</i>	<i>B</i>	<i>C</i>	<i>r</i> min.	<i>S</i> mm	<i>S</i> ₁ inch	<i>G</i>	<i>d</i> _s	<i>d</i> ₄	<i>F</i>
85	UC217D1	85	150	85.7	36	2.5	34.1	51.6	12	M12×1.5	106.4	10.1
3 1/4	UC217-304D1	3.2500										
3 5/16	UC217-305D1	3.3125	5.9055	3.3740	1.4173	0.098	1.343	2.031	0.472	1/2-20UNF	4.1890	0.398
3 7/16	UC217-307D1	3.4375										
90	UC218D1	90	160	96	37	2.5	39.7	56.3	12	M12×1.5	111.6	9.8
3 1/2	UC218-308D1	3.5000	6.2992	3.7795	1.4567	0.098	1.563	2.217	0.472	1/2-20UNF	4.3937	0.386

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

Basic load ratings		Mass
<i>N</i> dynamic <i>C</i> _r	<i>lbf</i> static <i>C</i> _{0r}	<i>kg</i> <i>lb</i>
83 500	64 000	3.54 7.92
18 700	14 300	7.60 6.97
96 000	71 500	4.40
21 600	16 100	9.88

Ball bearings
Set screw type



Shaft dia. mm inch	Bearing (¹) number	Nominal dimensions										
		<i>d</i>	<i>D</i>	<i>B</i>	<i>C</i>	<i>r</i> min.	<i>S</i> mm	<i>S</i> ₁ inch	<i>G</i>	<i>d</i> _s	<i>d</i> ₄	<i>F</i>
25	UC305D1	25	62	38	20	1.5	15	23	6	M6×0.75	36.8	5.0
	UC305-013D1	0.8125										
	UC305-014D1	0.8750	2.4409	1.4961	0.7874	0.059	0.591	0.906	0.236	¼-28UNF	1.4488	0.197
	UC305-015D1	0.9375										
1	UC305-100D1	1.0000										
30	UC306D1	30	72	43	23	1.5	17	26	6	M6×0.75	44.9	5.9
	UC306-101D1	1.0625										
	UC306-102D1	1.1250	2.8346	1.6929	0.9055	0.059	0.669	1.024	0.236	¼-28UNF	1.7677	0.232
	UC306-103D1	1.1875										
35	UC307D1	35	80	48	25	2	19	29	8	M8×1	49.4	6.8
	UC307-104D1	1.2500										
	UC307-105D1	1.3125	3.1496	1.8898	0.9843	0.079	0.748	1.142	0.315	5/16-24UNF	1.9449	0.268
	UC307-106D1	1.3750										
	UC307-107D1	1.4375										
40	UC308D1	40	90	52	27	2	19	33	10	M10×1.25	56	7.4
	UC308-108D1	1.5000										
	UC308-109D1	1.5625	3.5433	2.0472	1.0630	0.079	0.748	1.299	0.394	3/8-24UNF	2.2047	0.291
45	UC309D1	45	100	57	29	2	22	35	10	M10×1.25	63.5	7.4
	UC309-110D1	1.6250										
	UC309-111D1	1.6875	3.9370	2.2441	1.1417	0.079	0.866	1.378	0.394	3/8-24UNF	2.5000	0.291
	UC309-112D1	1.7500										
50	UC310D1	50	110	61	32	2.5	22	39	12	M12×1.5	70.6	8.1
	UC310-113D1	1.8125										
	UC310-114D1	1.8750	4.3307	2.4016	1.2598	0.098	0.866	1.535	0.472	1½-20UNF	2.7795	0.319
	UC310-115D1	1.9375										

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

Basic load ratings		Mass
N lbf		kg lb
dynamic <i>C</i> _r	static <i>C</i> _{0r}	
21 200	10 900	0.35 0.88
4 750	2 460	0.84 0.79 0.77
26 700	15 000	0.56 1.34
6 000	3 400	1.28 1.23
33 500	19 100	0.70 1.70
7 500	4 300	1.63 1.57 1.50
40 500	24 000	0.96 2.23
9 150	5 400	2.14
53 000	32 000	1.28 3.06
11 900	7 200	2.98 2.87
62 000	38 500	1.68 3.95
13 900	8 600	3.84 3.70

Ball bearings
Set screw type



Shaft dia.	Bearing ⁽¹⁾ number	Nominal dimensions										
		<i>d</i>	<i>D</i>	<i>B</i>	<i>C</i>	<i>r</i>	mm inch		<i>G</i>	<i>d_s</i>	<i>d₄</i>	<i>F</i>
						min.	<i>S</i>	<i>S₁</i>				
55	UC311D1	55	120	66	34	2.5	25	41	12	M12×1.5	76.6	8.5
2	UC311-200D1	2.0000										
2 1/16	UC311-201D1	2.0625	4.7244	2.5984	1.3386	0.098	0.984	1.614	0.472	1/2-20UNF	3.0157	0.335
2 1/8	UC311-202D1	2.1250										
2 3/16	UC311-203D1	2.1875										
60	UC312D1	60	130	71	36	2.5	26	45	12	M12×1.5	82.7	9.0
2 1/4	UC312-204D1	2.2500										
2 5/16	UC312-205D1	2.3125	5.1181	2.7953	1.4173	0.098	1.024	1.772	0.472	1/2-20UNF	3.2559	0.354
2 3/8	UC312-206D1	2.3750										
2 7/16	UC312-207D1	2.4375										
65	UC313D1	65	140	75	39	2.5	30	45	12	M12×1.5	88.2	10.1
2 1/2	UC313-208D1	2.5000	5.5118	2.9528	1.5354	0.098	1.181	1.772	0.472	1/2-20UNF	3.4724	0.398
2 9/16	UC313-209D1	2.5625										
70	UC314D1	70	150	78	41	2.5	33	45	12	M12×1.5	94.8	10.5
2 5/8	UC314-210D1	2.6250										
2 11/16	UC314-211D1	2.6875	5.9055	3.0709	1.6142	0.098	1.299	1.772	0.472	1/2-20UNF	3.7323	0.413
2 3/4	UC314-212D1	2.7500										
75	UC315D1	75	160	82	43	2.5	32	50	14	M14×1.5	101.3	11.0
2 13/16	UC315-213D1	2.8125										
2 7/8	UC315-214D1	2.8750	6.2992	3.2283	1.6929	0.098	1.260	1.969	0.551	9/16-18UNF	3.9882	0.433
2 15/16	UC315-215D1	2.9375										
3	UC315-300D1	3.0000										
80	UC316D1	80	170	86	45	2.5	34	52	14	M14×1.5	107.9	11.4
3 1/16	UC316-301D1	3.0625										
3 1/8	UC316-302D1	3.1250	6.6929	3.3858	1.7717	0.098	1.339	2.047	0.551	9/16-18UNF	4.2480	0.449
3 3/16	UC316-303D1	3.1875										

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

Basic load ratings		Mass
N lbf		kg lb
dynamic <i>C_r</i>	static <i>C_{0r}</i>	
71 500	45 000	2.08 4.96
16 100	10 100	4.81 4.67 4.50
82 000	52 000	2.60 6.06
18 400	11 700	5.89 5.68 5.51
92 500	60 000	3.25 7.36
20 800	13 400	7.14
104 000	68 000	3.86 9.06
23 400	15 300	8.82 8.60
113 000	77 000	4.70 11.0
25 500	17 400	10.7 10.5 10.2
123 000	86 500	5.60 12.6
27 600	19 500	12.3 12.1

Ball bearings
Set screw type



Shaft dia.	Bearing (1) number	Nominal dimensions										
		<i>d</i>	<i>D</i>	<i>B</i>	<i>C</i>	<i>r</i> min.	mm inch		<i>G</i>	<i>d_s</i>	<i>d₄</i>	<i>F</i>
							<i>S</i>	<i>S₁</i>				
85	UC317D1	85	180	96	47	3	40	56	16	M16×1.5	114.4	12.0
3 1/4	UC317-304D1	3.2500										
3 5/16	UC317-305D1	3.3125	7.0866	3.7795	1.8504	0.118	1.575	2.205	0.630	5/8-18UNF	4.5039	0.472
3 7/16	UC317-307D1	3.4375										
90	UC318D1	90	190	96	49	3	40	56	16	M16×1.5	120.9	12.3
3 7/16	UC318-307D1	3.4375	7.4803	3.7795	1.9291	0.118	1.575	2.205	0.630	5/8-18UNF	4.7598	0.484
3 1/2	UC318-308D1	3.5000										
95	UC319D1	95	200	103	51	3	41	62	16	M16×1.5	127.5	12.8
3 5/8	UC319-310D1	3.6250										
3 11/16	UC319-311D1	3.6875	7.8740	4.0551	2.0079	0.118	1.614	2.441	0.630	5/8-18UNF	5.0197	0.504
3 3/4	UC319-312D1	3.7500										
100	UC320D1	100	215	108	55	3	42	66	18	M18×1.5	135.6	13.5
3 13/16	UC320-313D1	3.8125										
3 7/8	UC320-314D1	3.8750	8.4646	4.2520	2.1654	0.118	1.654	2.598	0.709	5/8-18UNF	5.3386	0.531
3 15/16	UC320-315D1	3.9375										
4	UC320-400D1	4.0000										
105	UC321D1	105	225	112	57	3	44	68	18	M18×1.5	142.1	13.9
110	UC322D1	110	240	117	59	3	46	71	18	M18×1.5	151.7	13.9
120	UC324D1	120	260	126	63	3	51	75	18	M18×1.5	165.2	16.0
130	UC326D1	130	280	135	67	4	54	81	20	M20×1.5	178.3	16.9
140	UC328D1	140	300	145	71	4	59	86	20	M20×1.5	190.4	17.7

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

Basic load ratings		Mass
N lbf		kg lb
dynamic <i>C_r</i>	static <i>C_{0r}</i>	
133 000	97 000	6.70
		15.2
29 800	21 800	14.9
		14.2
143 000	107 000	7.60
		17.3
32 000	24 100	16.9
153 000	119 000	8.70
		19.9
34 500	26 600	19.5
		19.1
173 000	141 000	10.8
		24.7
		24.2
39 000	31 500	23.8
		23.4
184 000	153 000	12.2
205 000	179 000	14.3
207 000	185 000	18.5
229 000	214 000	23.0
253 000	246 000	28.5

Ball bearings
Set screw type



Shaft dia.	Bearing (¹) number	Nominal dimensions										
		<i>d</i>	<i>D</i>	<i>B</i>	<i>C</i>	<i>r</i> min.	mm inch		<i>G</i>	<i>d</i> _s	<i>d</i> ₄	<i>F</i>
							<i>S</i>	<i>S</i> ₁				
25	UCX05D1	25	62	38.1	19	1	15.9	22.2	5	M6×0.75	40.8	4.6
	UCX05-013D1	0.8125										
	UCX05-014D1	0.8750	2.4409	1.5000	0.7480	0.039	0.626	0.874	0.197	¼-28UNF	1.6063	0.181
	UCX05-015D1	0.9375										
1	UCX05-100D1	1.0000										
30	UCX06D1	30	72	42.9	20	1	17.5	25.4	6	M8×1	46.8	4.6
	UCX06-101D1	1.0625										
	UCX06-102D1	1.1250	2.8346	1.6890	0.7874	0.039	0.689	1.000	0.236	⅝-24UNF	1.8425	0.181
	UCX06-103D1	1.1875										
35	UCX07D1	35	80	49.2	21	1.5	19	30.2	8	M8×1	53	4.5
	UCX07-105D1	1.3125										
	UCX07-106D1	1.3750	3.1496	1.9370	0.8268	0.059	0.748	1.189	0.315	⅝-24UNF	2.0866	0.177
	UCX07-107D1	1.4375										
40	UCX08D1	40	85	49.2	22	1.5	19	30.2	8	M8×1	57.5	4.9
	UCX08-108D1	1.5000										
	UCX08-109D1	1.5625	3.3465	1.9370	0.8661	0.059	0.748	1.189	0.315	⅝-24UNF	2.2638	0.193
45	UCX09D1	45	90	51.6	24	1.5	19	32.6	9	M10×1.25	62.4	5.9
	UCX09-110D1	1.6250										
	UCX09-111D1	1.6875	3.5433	2.0315	0.9449	0.059	0.748	1.283	0.354	⅝-24UNF	2.4567	0.232
	UCX09-112D1	1.7500										
50	UCX10D1	50	100	55.6	25	1.5	22.2	33.4	9	M10×1.25	69	6.0
	UCX10-114D1	1.8750										
	UCX10-115D1	1.9375	3.9370	2.1890	0.9843	0.059	0.874	1.315	0.354	⅝-24UNF	2.7165	0.236
55	UCX11D1	55	110	65.1	27	2	25.4	39.7	10	M10×1.25	77	6.2
	UCX11-201D1	2.0625										
	UCX11-202D1	2.1250	4.3307	2.5630	1.0630	0.079	1.000	1.563	0.394	⅝-24UNF	3.0315	0.244
	UCX11-203D1	2.1875										
60	UCX12D1	60	120	65.1	32	2	25.4	39.7	10	M10×1.25	82.5	8.7
	UCX12-206D1	2.3750										
	UCX12-207D1	2.4375	4.7244	2.5630	1.2598	0.079	1.000	1.563	0.394	⅝-24UNF	3.2480	0.343

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

Basic load ratings		Mass
N lbf		kg lb
dynamic <i>C</i> _r	static <i>C</i> _{0r}	
19 500	11 300	0.39 0.97
4 400	2 540	0.93 0.88 0.84
25 700	15 300	0.68 1.61
5 750	3 450	1.54 1.50
29 100	17 800	0.74 1.87
6 550	4 000	1.81 1.74
32 500	20 400	0.80 2.16
7 350	4 600	2.07
35 000	23 200	0.94 2.43
7 900	5 200	2.34 2.25
43 500	29 200	1.22 3.15
9 750	6 550	3.04
52 500	36 000	1.72 4.43
11 800	8 150	4.30 4.12
57 500	40 000	2.10 4.96
12 900	9 000	4.81

Ball bearings
Set screw type



Shaft dia. mm inch	Bearing (¹) number	Nominal dimensions										
		<i>d</i>	<i>D</i>	<i>B</i>	<i>C</i>	<i>r</i> min.	mm inch		<i>G</i>	<i>d</i> _s	<i>d</i> ₄	<i>F</i>
							<i>S</i>	<i>S</i> ₁				
65 2 ½ 2 9/16	UCX13D1 UCX13-208D1 UCX13-209D1	65 2.5000 2.5625	125 4.9213	74.6 2.9370	33 1.2992	2 0.079	30.2 1.189	44.4 1.748	12 0.472	M12×1.5 ½-20UNF	87 3.4252	8.8 0.346
70 2 5/8 2 11/16 2 ¾	UCX14D1 UCX14-210D1 UCX14-211D1 UCX14-212D1	70 2.6250 2.6875 2.7500	130 5.1181	77.8 3.0630	34 1.3386	2 0.079	33.3 1.311	44.5 1.752	12 0.472	M12×1.5 ½-20UNF	93 3.6614	9.0 0.354
75 2 13/16 2 7/8 2 15/16 3	UCX15D1 UCX15-213D1 UCX15-214D1 UCX15-215D1 UCX15-300D1	75 2.8125 2.8750 2.9375 3.0000	140 5.5118	82.6 3.2520	35 1.3780	2 0.079	33.3 1.311	49.3 1.941	12 0.472	M12×1.5 ½-20UNF	98.1 3.8622	9.5 0.374
80 3 1/16 3 1/8 3 3/16	UCX16D1 UCX16-301D1 UCX16-302D1 UCX16-303D1	80 3.0625 3.1250 3.1875	150 5.9055	85.7 3.3740	36 1.4173	2.5 0.098	34.1 1.343	51.6 2.031	12 0.472	M12×1.5 ½-20UNF	106.4 4.1890	10.1 0.398
85 3 5/16 3 7/16	UCX17D1 UCX17-305D1 UCX17-307D1	85 3.3125 3.4375	160 6.2992	96 3.7795	37 1.4567	2.5 0.098	39.7 1.563	56.3 2.217	12 0.472	M12×1.5 ½-20UNF	111.6 4.3937	9.8 0.386
90 3 7/16 3 ½	UCX18D1 UCX18-307D1 UCX18-308D1	90 3.4375 3.5000	170 6.6929	104 4.0945	39 1.5354	2.5 0.098	42.9 1.689	61.1 2.406	14 0.551	M14×1.5 9/16-18UNF	118.2 4.6535	10.5 0.413
100 3 13/16 3 7/8 3 15/16 4	UCX20D1 UCX20-313D1 UCX20-314D1 UCX20-315D1 UCX20-400D1	100 3.8125 3.8750 3.9375 4.0000	190 7.4803	117.5 4.6260	44 1.7323	2.5 0.098	49.2 1.937	68.3 2.689	16 0.630	M16×1.5 5/8-18UNF	131.3 5.1693	11.3 0.445

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

Basic load ratings		Mass kg lb
N lbf dynamic <i>C_r</i>	static <i>C_{0r}</i>	
62 000 14 000	44 000 9 900	2.45 5.60 5.38
66 000 14 900	49 500 11 100	2.47 5.93 5.69 5.47
72 500 16 300	53 000 11 900	3.11 7.43 7.19 6.92 6.66
83 500 18 700	64 000 14 300	3.96 8.75 8.47 8.18
96 000 21 600	71 500 16 100	4.72 10.8 10.1
109 000 24 500	82 000 18 400	5.50 13.3 12.4
133 000 29 900	105 000 23 500	8.06 18.8 18.4 19.7 19.2

Ball bearings
Set screw type



Shaft dia. mm inch	Bearing ⁽¹⁾ number	Nominal dimensions									
		d	D	B	C	r min.	S mm inch	S_1	G	d_s	d_4
12 $\frac{1}{2}$	AS201 AS201-008	12 0.5000	40 1.5748	22 0.8661	12 0.4724	0.6 0.024	6 0.236	16 0.630	4.2 0.165	M5×0.8 No.10-32UNF	24.3 0.957
15 $\frac{9}{16}$ $\frac{5}{8}$	AS202 AS202-009 AS202-010	15 0.5625 0.6250	40 1.5748	22 0.8661	12 0.4724	0.6 0.024	6 0.236	16 0.630	4.2 0.165	M5×0.8 No.10-32UNF	24.3 0.957
17 $\frac{11}{16}$	AS203 AS203-011	17 0.6875	40 1.5748	22 0.8661	12 0.4724	0.6 0.024	6 0.236	16 0.630	4.2 0.165	M5×0.8 No.10-32UNF	24.3 0.957
20 $\frac{3}{4}$	AS204 AS204-012	20 0.7500	47 1.8504	25 0.9843	14 0.5512	1 0.039	7 0.276	18 0.709	4.2 0.165	M5×0.8 No.10-32UNF	29.6 1.165
25 $\frac{13}{16}$ $\frac{7}{8}$ $\frac{15}{16}$ 1	AS205 AS205-013 AS205-014 AS205-015 AS205-100	25 0.8125 0.8750 0.9375 1.0000	52 2.0472	27 1.0630	15 0.5906	1 0.039	7.5 0.295	19.5 0.768	5 0.197	M5×0.8 No.10-32UNF	33.9 1.335
30 $1\frac{1}{16}$ $1\frac{1}{8}$ $1\frac{3}{16}$ $1\frac{1}{4}$	AS206 AS206-101 AS206-102 AS206-103 AS206-104	30 1.0625 1.1250 1.1875 1.2500	62 2.4409	29 1.1417	16 0.6299	1 0.039	8 0.315	21 0.827	5 0.197	M6×0.75 $\frac{1}{4}$ -28UNF	40.8 1.606
35 $1\frac{1}{4}$ $1\frac{5}{16}$ $1\frac{3}{8}$ $1\frac{7}{16}$	AS207 AS207-104 AS207-105 AS207-106 AS207-107	35 1.2500 1.3125 1.3750 1.4375	72 2.8346	34 1.3386	17 0.6693	1.5 0.059	8.5 0.335	25.5 1.004	6 0.236	M6×0.75 $\frac{1}{4}$ -28UNF	46.8 1.843
40 $1\frac{1}{2}$ $1\frac{9}{16}$	AS208 AS208-108 AS208-109	40 1.5000 1.5625	80 3.1496	38 1.4961	18 0.7087	1.5 0.059	9 0.354	29 1.142	8 0.315	M8×1 $\frac{5}{16}$ -24UNF	53 2.087

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

Basic load ratings		Mass
C_r	C_{0r}	
9 600 2 160	4 600 1 030	0.10 0.22
9 600 2 160	4 600 1 030	0.09 0.21 0.20
9 600 2 160	4 600 1 030	0.08 0.18
12 800 2 890	6 650 1 500	0.13 0.29
14 000 3 150	7 850 1 770	0.16 0.42 0.40 0.38 0.35
19 500 4 400	11 300 2 540	0.25 0.61 0.59 0.57 0.55
25 700 5 750	15 300 3 450	0.38 1.06 0.93 0.81 0.69
29 100 6 550	17 800 4 000	0.51 1.15 1.06

Ball bearings
Set screw type

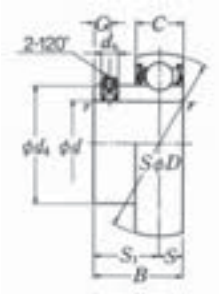


Shaft dia.	Bearing ⁽¹⁾ number	Nominal dimensions									
		d	D	B	C	r min.	S mm inch	S_1	G	d_s	d_4
45	AS209	45	85	40	19	1.5	9.5	30.5	8	M8×1	57.5
1 5/8	AS209-110	1.6250									
1 11/16	AS209-111	1.6875	3.3465	1.5748	0.7480	0.059	0.374	1.201	0.315	5/16"-24UNF	2.2638
1 3/4	AS209-112	1.7500									
50	AS210	50	90	42	20	1.5	10	32	9	M8×1	62.4
1 13/16	AS210-113	1.8125									
1 7/8	AS210-114	1.8750	3.5433	1.6535	0.7874	0.059	0.394	1.260	0.354	5/16"-24UNF	2.4567
1 15/16	AS210-115	1.9375									
2	AS210-200	2.0000									

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

Basic load ratings		Mass
C_r	C_{0r}	
dynamic	static	
N	lbf	kg lb
32 500	20 400	0.55
		1.39
7 350	4 600	1.32
		1.23
35 000	23 200	0.65
		1.65
7 900	5 200	1.57
		1.48
		1.39

Ball bearings
Set screw type

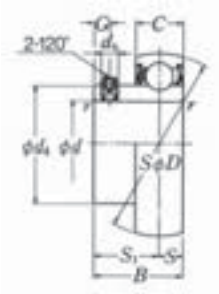


Shaft dia. mm inch	Bearing (1) number	Nominal dimensions									
		<i>d</i>	<i>D</i>	<i>B</i>	<i>C</i>	<i>r</i>	<i>S</i>	<i>S</i> ₁	<i>G</i>	<i>d</i> _s	<i>d</i> ₄
		mm inch min.									
12	AR201	12	40	22.5	13	0.6	6.5	16	5	M6×0.75	24.4
1/2	AR201-008	0.5000	1.5748	0.8858	0.5118	0.024	0.256	0.630	0.197	1/4-28UNF	0.9606
15	AR202	15	40	22.5	13	0.6	6.5	16	5	M6×0.75	24.4
9/16	AR202-009	0.5625	1.5748	0.8858	0.5118	0.024	0.256	0.630	0.197	1/4-28UNF	0.9606
5/8	AR202-010	0.6250									
17	AR203	17	40	22.5	13	0.6	6.5	16	5	M6×0.75	24.4
11/16	AR203-011	0.6875	1.5748	0.8858	0.5118	0.024	0.256	0.630	0.197	1/4-28UNF	0.9606
20	AR204	20	47	25.5	15	1	7.5	18	5	M6×0.75	29.6
3/4	AR204-012	0.7500	1.8504	1.0039	0.5906	0.039	0.295	0.709	0.197	1/4-28UNF	1.1654
25	AR205	25	52	27	15	1	7.5	19.5	5	M6×0.75	33.9
13/16	AR205-013	0.8125	2.0472	1.0630	0.5906	0.039	0.295	0.768	0.197	1/4-28UNF	1.3346
7/8	AR205-014	0.8750									
15/16	AR205-015	0.9375									
1	AR205-100	1.0000									
30	AR206	30	62	30	18	1	9	21	5	M6×0.75	40.8
1 1/16	AR206-101	1.0625	2.4409	1.1811	0.7087	0.039	0.354	0.827	0.197	1/4-28UNF	1.6063
1 1/8	AR206-102	1.1250									
1 3/16	AR206-103	1.1875									
1 1/4	AR206-104	1.2500									
35	AR207	35	72	35	19	1.5	9.5	25.5	6	M6×0.75	46.8
1 1/4	AR207-104	1.2500	2.8346	1.3780	0.7480	0.059	0.374	1.004	0.236	1/4-28UNF	1.8425
1 5/16	AR207-105	1.3125									
1 3/8	AR207-106	1.3750									
1 7/16	AR207-107	1.4375									
40	AR208	40	80	40	22	1.5	11.0	29	8	M8×1	53
1 1/2	AR208-108	1.5000	3.1496	1.5748	0.8661	0.059	0.433	1.142	0.315	5/16-24UNF	2.0866
1 5/16	AR208-109	1.5625									

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

Basic load ratings		Mass
N lbf		kg lb
dynamic <i>C</i> _r	static <i>C</i> _{or}	
9 600	4 600	0.11
2 160	1 030	0.24
9 600	4 600	0.10
2 160	1 030	0.23
		0.22
9 600	4 600	0.09
2 160	1 030	0.20
12 800	6 650	0.14
2 890	1 500	0.31
14 000	7 850	0.17
		0.44
		0.42
3 150	1 770	0.40
		0.37
19 500	11 300	0.26
		0.63
		0.61
4 400	2 540	0.59
		0.57
25 700	15 300	0.39
		1.10
		0.97
5 750	3 450	0.85
		0.73
29 100	17 800	0.54
		1.24
6 550	4 000	1.15

Ball bearings
Set screw type

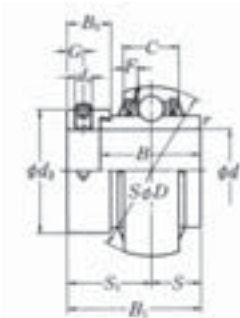


Shaft dia.	Bearing (*) number	Nominal dimensions									
		d	D	B	C	mm inch		S ₁	G	d _s	d ₄
						r	S				
45	AR209	45	85	41.5	22	1.5	11	30.5	8	M8×1	57.5
1 5/8	AR209-110	1.6250									
1 11/16	AR209-111	1.6875	3.3465	1.6339	0.8661	0.059	0.433	1.201	0.315	5/16-24UNF	2.2638
1 3/4	AR209-112	1.7500									
50	AR210	80	90	43	22	1.5	11	32	9	M8×1	62.4
1 13/16	AR210-113	1.8125									
1 7/8	AR210-114	1.8750	3.5433	1.6929	0.8661	0.059	0.433	1.260	0.354	5/16-24UNF	2.4567
1 15/16	AR210-115	1.9375									
2	AR210-200	2.0000									

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

Basic load ratings		Mass
dynamic C _r	N lbf static C _{0r}	kg lb
32 500	20 400	0.61
		1.54
7 350	4 600	1.46
		1.39
35 000	23 200	0.70
		1.76
7 900	5 200	1.68
		1.59
		1.50

Ball bearings
Eccentric locking collar type

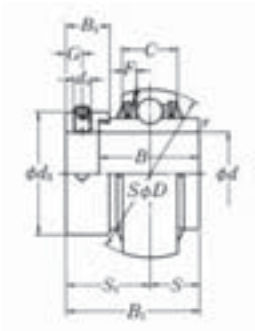


Shaft dia. mm inch	Bearing (¹) number	Nominal dimensions										
		mm inch										
		d	D	B ₁	B	C	r min.	S	S ₁	G	d _s	d ₃
20	UEL204D1W3	20	47	43.7	34.2	17	1	17.1	26.6	4.8	M6×0.75	33
¾	UEL204-012D1W3	0.7500	1.8504	1.720	1.3465	0.6693	0.039	0.673	1.047	0.189	¼-28UNF	1.299
25	UEL205D1W3	25	52	44.4	34.9	17	1	17.45	26.9	4.8	M6×0.75	38
13/16	UEL205-013D1W3	0.8125										
7/8	UEL205-014D1W3	0.8750	2.0472	1.748	1.3740	0.6693	0.039	0.687	1.059	0.189	¼-28UNF	1.496
15/16	UEL205-015D1W3	0.9375										
1	UEL205-100D1W3	1.0000										
30	UEL206D1W3	30	62	48.4	36.5	19	1	18.25	30.1	6	M8×1	44.5
1 1/16	UEL206-101D1W3	1.0625										
1 1/8	UEL206-102D1W3	1.1250	2.4409	1.906	1.4370	0.7480	0.039	0.719	1.185	0.236	5/16-24UNF	1.752
1 3/16	UEL206-103D1W3	1.1875										
1 1/4	UEL206-104D1W3	1.2500										
35	UEL207D1W3	35	72	51.1	37.6	20	1.5	18.8	32.3	6.8	M10×1.25	55.5
1 1/4	UEL207-104D1W3	1.2500										
1 5/16	UEL207-105D1W3	1.3125	2.8346	2.012	1.4803	0.7874	0.059	0.740	1.272	0.268	3/8-24UNF	2.185
1 3/8	UEL207-106D1W3	1.3750										
1 7/16	UEL207-107D1W3	1.4375										
40	UEL208D1W3	40	80	56.3	42.8	21	1.5	21.4	34.9	6.8	M10×1.25	60
1 1/2	UEL208-108D1W3	1.5000	3.1496	2.217	1.6850	0.8268	0.059	0.843	1.374	0.268	3/8-24UNF	2.362
1 9/16	UEL208-109D1W3	1.5625										
45	UEL209D1W3	45	85	56.3	42.8	22	1.5	21.4	34.9	6.8	M10×1.25	63.5
1 5/8	UEL209-110D1W3	1.6250										
1 11/16	UEL209-111D1W3	1.6875	3.3465	2.217	1.6850	0.8661	0.059	0.843	1.374	0.268	3/8-24UNF	2.500
1 3/4	UEL209-112D1W3	1.7500										

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

Nominal dimensions mm inch		Basic load ratings		Mass
B ₅	F	N lbf		kg lb
		dynamic C _r	static C _{or}	
13.5	4.7	12 800	6 650	0.23
0.531	0.185	2 890	1 500	0.45
13.5	4.5	14 000	7 850	0.27
				0.61
0.531	0.177	3 150	1 770	0.58
				0.55
				0.51
15.9	4.6	19 500	11 300	0.45
				0.94
0.626	0.181	4 400	2 540	0.89
				0.84
				0.80
17.5	4.6	25 700	15 300	0.60
				1.45
0.689	0.181	5 750	3 450	1.40
				1.35
				1.28
18.3	4.5	29 100	17 800	0.78
				1.90
0.720	0.177	6 550	4 000	1.82
18.3	4.9	32 500	20 400	0.80
				2.05
0.720	0.193	7 350	4 600	1.97
				1.88

Ball bearings
Eccentric locking collar type

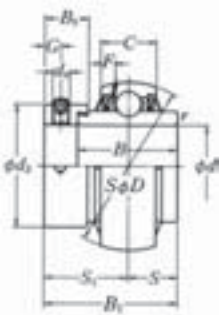


Shaft dia. mm inch	Bearing (¹) number	Nominal dimensions										
		mm inch										
		d	D	B ₁	B	C	r min.	S	S ₁	G	d _s	d ₃
50	UEL210D1W3	50	90	62.7	49.2	24	1.5	24.6	38.1	6.8	M10x1.25	69.5
1 13⁄16	UEL210-113D1W3	1.8125										
1 7⁄8	UEL210-114D1W3	1.8750	3.5433	2.469	1.9370	0.9449	0.059	0.969	1.500	0.268	3⁄8-24UNF	2.736
1 5⁄16	UEL210-115D1W3	1.9375										
2	UEL210-200D1W3	2.0000										
55	UEL211D1W3	55	100	71.4	55.5	25	2	27.75	43.6	8	M10x1.25	76
2	UEL211-200D1W3	2.0000										
2 1⁄16	UEL211-201D1W3	2.0625	3.9370	2.811	2.1850	0.9843	0.079	1.093	1.717	0.315	3⁄8-24UNF	2.992
2 1⁄8	UEL211-202D1W3	2.1250										
2 3⁄16	UEL211-203D1W3	2.1875										
60	UEL212D1W3	60	110	77.8	61.9	27	2	30.95	46.8	8	M10x1.25	84
2 1⁄4	UEL212-204D1W3	2.2500										
2 5⁄16	UEL212-205D1W3	2.3125	4.3307	3.063	2.4370	1.0630	0.079	1.219	1.843	0.315	3⁄8-24UNF	3.307
2 3⁄8	UEL212-206D1W3	2.3750										
2 7⁄16	UEL212-207D1W3	2.4375										
65	UEL213D1W3	65	120	85.7	68.3	32	2	34.15	51.55	8.7	M10x1.25	97
2 1⁄2	UEL213-208D1W3	2.5000	4.7244	3.374	2.6890	1.2598	0.079	1.344	2.030	0.343	3⁄8-24UNF	3.819
2 9⁄16	UEL213-209D1W3	2.5625										
70	UEL214D1W3	70	125	85.7	68.3	33	2	34.15	51.55	8.7	M10x1.25	97
2 5⁄8	UEL214-210D1W3	2.6250										
2 11⁄16	UEL214-211D1W3	2.6875	4.9213	3.374	2.6890	1.2992	0.079	1.344	2.030	0.343	3⁄8-24UNF	3.819
2 3⁄4	UEL214-212D1W3	2.7500										
75	UEL215D1W3	75	130	92	74.6	34	2	37.3	54.7	8.7	M10x1.25	102
2 13⁄16	UEL215-213D1W3	2.8125										
2 7⁄8	UEL215-214D1W3	2.8750	5.1181	3.622	2.9370	1.3386	0.079	1.469	2.154	0.343	3⁄8-24UNF	4.016
2 15⁄16	UEL215-215D1W3	2.9375										
3	UEL215-300D1W3	3.0000										

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

Nominal dimensions mm inch		Basic load ratings		Mass
B ₅	F	N lbf		kg lb
		dynamic C _r	static C _{or}	
18.3	5.9	35 000	23 200	0.96
				2.46
0.720	0.232	7 900	5 200	2.36
				2.25
				2.09
20.7	6.0	43 500	29 200	1.32
				3.28
0.815	0.236	9 750	6 550	3.12
				3.02
				2.90
22.3	6.2	52 500	36 000	1.79
				4.38
0.878	0.244	11 800	8 150	4.22
				4.05
				3.88
23.8	8.7	57 500	40 000	2.54
				5.47
0.937	0.343	12 900	9 000	5.30
23.8	8.8	62 000	44 000	2.47
				5.67
0.937	0.346	14 000	9 900	5.45
				5.18
23.8	9.0	66 000	49 500	2.68
				6.39
0.937	0.354	14 900	11 100	6.15
				5.91
				5.60

Ball bearings
Eccentric locking collar type

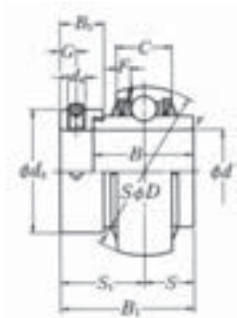


Shaft dia. mm inch	Bearing (1) number	Nominal dimensions										
		d	D	B_1	B	C	r	S	S_1	G	d_s	d_3
		mm inch min.										
25 $\frac{13}{16}$ $\frac{7}{8}$ $\frac{15}{16}$ 1	UEL305D1W3 UEL305-013D1W3 UEL305-014D1W3 UEL305-015D1W3 UEL305-100D1W3	25 0.8125 0.8750 0.9375 1.0000										
			2.4409	1.843	1.3740	0.7874	0.059	0.657	1.185	0.236	$\frac{5}{16}$ -24UNF	1.685
30 $1\frac{1}{16}$ $1\frac{1}{8}$ $1\frac{3}{16}$	UEL306D1W3 UEL306-101D1W3 UEL306-102D1W3 UEL306-103D1W3	30 1.0625 1.1250 1.1875										
			2.8346	1.969	1.4370	0.9055	0.059	0.689	1.280	0.264	$\frac{5}{16}$ -24UNF	1.969
35 $1\frac{1}{4}$ $1\frac{5}{16}$ $1\frac{3}{8}$ $1\frac{7}{16}$	UEL307D1W3 UEL307-104D1W3 UEL307-105D1W3 UEL307-106D1W3 UEL307-107D1W3	35 1.2500 1.3125 1.3750 1.4375										
			3.1496	2.031	1.5000	0.9843	0.079	0.720	1.311	0.264	$\frac{5}{16}$ -24UNF	2.165
40 $1\frac{1}{2}$ $1\frac{9}{16}$	UEL308D1W3 UEL308-108D1W3 UEL308-109D1W3	40 1.5000 1.5625										
			3.5433	2.248	1.6260	1.0630	0.079	0.780	1.469	0.315	$\frac{3}{8}$ -24UNF	2.500
45 $1\frac{5}{8}$ $1\frac{11}{16}$ $1\frac{3}{4}$	UEL309D1W3 UEL309-110D1W3 UEL309-111D1W3 UEL309-112D1W3	45 1.6250 1.6875 1.7500										
			3.9370	2.311	1.6890	1.1417	0.079	0.780	1.531	0.315	$\frac{3}{8}$ -24UNF	2.756
50 $1\frac{13}{16}$ $1\frac{7}{8}$ $1\frac{15}{16}$	UEL310D1W3 UEL310-113D1W3 UEL310-114D1W3 UEL310-115D1W3	50 1.8125 1.8750 1.9375										
			4.3307	2.622	1.9370	1.2598	0.098	0.969	1.654	0.343	$\frac{3}{8}$ -24UNF	3.000

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

Nominal dimensions mm inch		Basic load ratings		Mass
<i>B</i> ₅	<i>F</i>	<i>N</i> lbf dynamic <i>C</i> _r	static <i>C</i> _{0r}	kg lb
15.9	5.0	21 200	10 900	0.43
				1.09
0.626	0.197	4 750	2 460	1.05
				1.01
				0.96
17.5	5.9	26 700	15 000	0.69
				1.57
0.689	0.232	6 000	3 400	1.51
				1.45
17.5	6.8	33 500	19 100	0.78
				1.92
0.689	0.268	7 500	4 300	1.84
				1.77
				1.69
20.6	7.4	40 500	24 000	1.08
				2.58
0.811	0.291	9 150	5 400	2.49
20.6	7.4	53 000	32 000	1.40
				3.36
0.811	0.291	11 900	7 200	3.26
				3.15
22.2	8.1	62 000	38 500	1.84
				4.40
0.874	0.319	13 900	8 600	4.29
				4.15

Ball bearings
Eccentric locking collar type

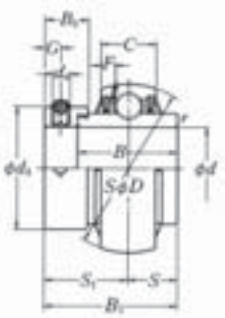


Shaft dia. mm inch	Bearing (1) number	Nominal dimensions										
		d	D	B ₁	B	C	mm inch r min.	S	S ₁	G	d _s	d ₃
55	UEL311D1W3	55	120	73	55.6	34	2.5	27.8	45.2	8.7	M10x1.25	83
2	UEL311-200D1W3	2.0000										
2 1/16	UEL311-201D1W3	2.0625	4.7244	2.874	2.1890	1.3386	0.098	1.094	1.780	0.343	3/8-24UNF	3.268
2 1/8	UEL311-202D1W3	2.1250										
2 3/16	UEL311-203D1W3	2.1875										
60	UEL312D1W3	60	130	79.4	61.9	36	2.5	30.95	48.45	8.7	M10x1.25	89
2 1/4	UEL312-204D1W3	2.2500										
2 5/16	UEL312-205D1W3	2.3125	5.1181	3.126	2.4370	1.1473	0.098	1.219	1.907	0.343	3/8-24UNF	3.504
2 3/8	UEL312-206D1W3	2.3750										
2 7/16	UEL312-207D1W3	2.4375										
65	UEL313D1W3	65	140	85.7	65.1	39	2.5	32.55	53.15	10.3	M12x1.5	97
2 1/2	UEL313-208D1W3	2.5000	5.5118	3.374	2.5630	1.5354	0.098	1.281	2.093	0.406	1/2-20UNF	3.819
2 9/16	UEL313-209D1W3	2.5625										
70	UEL314D1W3	70	150	92.1	68.3	41	2.5	34.15	57.95	10.3	M12x1.5	102
2 5/8	UEL314-210D1W3	2.6250										
2 11/16	UEL314-211D1W3	2.6875	5.9055	3.626	2.6890	1.6142	0.098	1.344	2.281	0.406	1/2-20UNF	4.016
2 3/4	UEL314-212D1W3	2.7500										
75	UEL315D1W3	75	160	100	74.6	43	2.5	37.3	62.7	12.7	M16x1.5	113
2 13/16	UEL315-213D1W3	2.8125										
2 7/8	UEL315-214D1W3	2.8750	6.2992	3.937	2.9370	1.6929	0.098	1.469	2.469	0.500	5/8-18UNF	4.449
2 15/16	UEL315-215D1W3	2.9375										
3	UEL315-300D1W3	3.0000										
80	UEL316D1W3	80	170	106.4	81	45	2.5	40.5	65.9	12.7	M16x1.5	119
3 1/16	UEL316-301D1W3	3.0625										
3 1/8	UEL316-302D1W3	3.1250	6.6929	4.189	3.1890	1.7717	0.098	1.594	2.594	0.500	5/8-18UNF	4.685
3 3/16	UEL316-303D1W3	3.1875										

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

Nominal dimensions mm inch		Basic load ratings		Mass
B ₅	F	N lbf		kg lb
		dynamic C _r	static C _{or}	
22.2	8.5	71 500	45 000	2.36
				5.58
0.874	0.335	16 100	10 100	5.39
				5.25
				5.08
23.9	9.0	82 000	52 000	2.94
				6.80
0.941	0.354	18 400	11 700	6.65
				6.48
				6.19
27	10.1	92 500	60 000	3.67
				8.49
1.063	0.398	20 800	13 400	8.27
30.2	10.5	104 000	68 000	4.40
				10.4
1.189	0.413	23 400	15 300	10.2
				9.96
31.8	11.0	113 000	77 000	5.34
				13.2
1.252	0.433	25 500	17 400	12.9
				12.7
				12.5
31.8	11.4	123 000	86 500	6.70
				14.9
1.252	0.449	27 600	19 500	14.8
				14.6

Ball bearings
Eccentric locking collar type

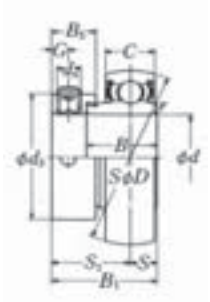


Shaft dia.	Bearing (°) number	Nominal dimensions											
		<i>d</i>	<i>D</i>	<i>B</i> ₁	<i>B</i>	<i>C</i>	mm inch	<i>S</i>	<i>S</i> ₁	<i>G</i>	<i>d</i> _s	<i>d</i> ₃	
							<i>r</i>						min.
85	UEL317D1W3	85	180	109.5	84.1	47	3	42.05	67.45	12.7	M16×1.5	127	
3¼	UEL317-304D1W3	3.2500											
3⅝	UEL317-305D1W3	3.3125	7.0866	4.311	3.3110	1.8504	0.118	1.656	2.656	0.500	⅝-18UNF	5.000	
3⅞	UEL317-307D1W3	3.4375											
90	UEL318D1W3	90	190	115.9	87.3	49	3	43.65	72.25	14.3	M20×1.5	133	
3⅞	UEL318-307D1W3	3.4375	7.4803	4.563	3.4370	1.9291	0.118	1.719	2.844	0.563	¾-16UNF	5.236	
3½	UEL318-308D1W3	3.5000											
95	UEL319D1W3	95	200	122.3	93.7	51	3	38.9	83.4	14.3	M20×1.5	140	
3⅝	UEL319-310D1W3	3.6250											
3⅞	UEL319-311D1W3	3.6875	7.8740	4.815	3.6890	2.0079	0.118	1.531	3.283	0.563	¾-16UNF	5.512	
3¾	UEL319-312D1W3	3.7500											
100	UEL320D1W3	100	215	128.6	100	55	3	50	78.6	14.3	M20×1.5	146	
3⅞	UEL320-313D1W3	3.8125											
3⅞	UEL320-314D1W3	3.8750	8.4646	5.063	3.9370	2.1654	0.118	1.969	3.094	0.563	¾-16UNF	5.748	
3⅝	UEL320-315D1W3	3.9375											
4	UEL320-400D1W3	4.0000											
105	UEL321D1W3	105	225	139.7	104.8	57	3	48.4	91.3	17.5	M20×1.5	157	
110	UEL322D1W3	110	240	141.3	106.4	59	3	49.2	92.1	17.5	M20×1.5	168	

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

Nominal dimensions mm inch		Basic load ratings		Mass
<i>B</i> ₅	<i>F</i>	<i>N</i> lbf dynamic <i>C</i> _r	static <i>C</i> _{or}	kg lb
31.8	12.0	133 000	97 000	8.00
1.252	0.472	29 800	21 800	18.0
				17.7
				17.0
36.5	12.3	143 000	107 000	9.10
1.437	0.484	32 000	24 100	20.7
				20.2
36.5	12.8	153 000	119 000	10.4
				23.4
1.437	0.504	34 500	26 600	23.0
				22.6
36.5	13.5	173 000	141 000	13.0
				28.5
1.437	0.531	39 000	31 500	28.0
				27.6
				27.0
42.8	13.9	184 000	153 000	14.6
42.8	13.9	205 000	179 000	17.2

Ball bearings
Eccentric locking collar type

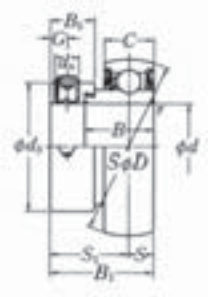


Shaft dia.	Bearing (¹) number	Nominal dimensions										
		d	D	B ₁	B	C	mm inch		S ₁	G	d _s	d ₃
							r	S				
12	AEL201W3	12	40	28.6	19	12	0.6	6.5	22.1	4.8	M6×0.75	29
1⁄2	AEL201-008W3	0.5000	1.5748	1.126	0.7480	0.4724	0.024	0.256	0.870	0.189	¼-28UNF	1.142
15	AEL202W3	15	40	28.6	19	12	0.6	6.5	22.1	4.8	M6×0.75	29
9⁄16	AEL202-009W3	0.5625	1.5748	1.126	0.7480	0.4724	0.024	0.256	0.870	0.189	¼-28UNF	1.142
5⁄8	AEL202-010W3	0.6250										
17	AEL203W3	17	40	28.6	19	12	0.6	6.5	22.1	4.8	M6×0.75	29
11⁄16	AEL203-011W3	0.6875	1.5748	1.126	0.7480	0.4724	0.024	0.256	0.870	0.189	¼-28UNF	1.142
20	AEL204W3	20	47	31	21.5	14	1	7.5	23.5	4.8	M6×0.75	33
3⁄4	AEL204-012W3	0.7500	1.8504	1.220	0.8465	0.5512	0.039	0.295	0.925	0.189	¼-28UNF	1.299
25	AEL205W3	25	52	31	21.5	15	1	7.5	23.5	4.8	M6×0.75	38
13⁄16	AEL205-013W3	0.8125										
7⁄8	AEL205-014W3	0.8750	2.0472	1.220	0.8465	0.5906	0.039	0.295	0.925	0.189	¼-28UNF	1.496
15⁄16	AEL205-015W3	0.9375										
1	AEL205-100W3	1.0000										
30	AEL206W3	30	62	35.7	23.8	16	1	9	26.7	6	M8×1	44.5
1 1⁄16	AEL206-101W3	1.0625										
1 1⁄8	AEL206-102W3	1.1250	2.4409	1.406	0.9370	0.6299	0.039	0.354	1.051	0.236	5⁄16-24UNF	1.752
1 3⁄16	AEL206-103W3	1.1875										
1 1⁄4	AEL206-104W3	1.2500										
35	AEL207W3	35	72	38.9	25.4	17	1.5	9.5	29.4	6.8	M10×1.25	55.5
1 1⁄4	AEL207-104W3	1.2500										
1 5⁄16	AEL207-105W3	1.3125	2.8346	1.531	1.0000	0.6693	0.059	0.374	1.157	0.268	3⁄8-24UNF	2.185
1 3⁄8	AEL207-106W3	1.3750										
1 7⁄16	AEL207-107W3	1.4375										
40	AEL208W3	40	80	43.7	30.2	18	1.5	11	32.7	6.8	M10×1.25	60
1 1⁄2	AEL208-108W3	1.5000	3.1496	1.720	1.1890	0.7087	0.059	0.433	1.287	0.268	3⁄8-24UNF	2.362
1 9⁄16	AEL208-109W3	1.5625										

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

Nominal dimensions mm inch B_s	Basic load ratings		Mass
	N lbf		kg lb
	dynamic C_r	static C_{or}	
13.6 0.535	9 600 2 160	4 600 1 030	0.12 0.26
13.6 0.535	9 600 2 160	4 600 1 030	0.11 0.26 0.24
13.6 0.535	9 600 2 160	4 600 1 030	0.10 0.23
13.5 0.531	12 800 2 890	6 650 1 500	0.17 0.35
13.5 0.531	14 000 3 150	7 850 1 770	0.22 0.51 0.48 0.45 0.42
15.9 0.626	19 500 4 400	11 300 2 540	0.31 0.74 0.73 0.66 0.61
17.5 0.689	25 700 5 750	15 300 3 450	0.50 1.15 1.10 1.04 0.98
18.3 0.720	29 100 6 550	17 800 4 000	0.66 1.41 1.34

Ball bearings
Eccentric locking collar type

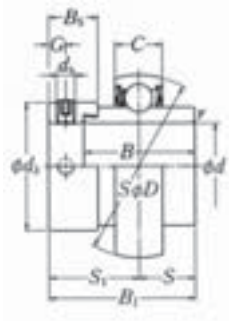


Shaft dia. mm inch	Bearing (¹) number	Nominal dimensions										
		d	D	B ₁	B	C	^{mm} r min.	^{inch} S	S ₁	G	d _s	d ₃
12	JEL201W3	12	40	28.6	19	13	0.6	6.5	22.1	4.8	M6×0.75	29
½	JEL201-008W3	0.5000	1.5748	1.126	0.7480	0.5118	0.024	0.256	0.870	0.189	¼-28UNF	1.142
15	JEL202W3	15	40	28.6	19	13	0.6	6.5	22.1	4.8	M6×0.75	29
9/16	JEL202-009W3	0.5625	1.5748	1.126	0.7480	0.5118	0.024	0.256	0.870	0.189	¼-28UNF	1.142
5/8	JEL202-010W3	0.6250										
17	JEL203W3	17	40	28.6	19	13	0.6	6.5	22.1	4.8	M6×0.75	29
11/16	JEL203-011W3	0.6875	1.5748	1.126	0.7480	0.5118	0.024	0.256	0.870	0.189	¼-28UNF	1.142
20	JEL204W3	20	47	31	21.5	15	1	7.5	23.5	4.8	M6×0.75	33
¾	JEL204-012W3	0.7500	1.8504	1.220	0.8465	0.5906	0.039	0.295	0.925	0.189	¼-28UNF	1.299
25	JEL205W3	25	52	31	21.5	15	1	7.5	23.5	4.8	M6×0.75	38
13/16	JEL205-013W3	0.8125										
7/8	JEL205-014W3	0.8750	2.0472	1.220	0.8465	0.5906	0.039	0.295	0.925	0.189	¼-28UNF	1.496
15/16	JEL205-015W3	0.9375										
1	JEL205-100W3	1.0000										
30	JEL206W3	30	62	35.7	23.8	18	1	9	26.7	6	M8×1	44.5
1 1/16	JEL206-101W3	1.0625										
1 1/8	JEL206-102W3	1.1250	2.4409	1.406	0.9370	0.7087	0.039	0.354	1.051	0.236	5/16-24UNF	1.752
1 3/16	JEL206-103W3	1.1875										
1 1/4	JEL206-104W3	1.2500										
35	JEL207W3	35	72	38.9	25.4	19	1.5	9.5	29.4	6.8	M10×1.25	55.5
1 1/4	JEL207-104W3	1.2500										
1 5/16	JEL207-105W3	1.3125	2.8346	1.531	1.0000	0.7480	0.059	0.374	1.157	0.268	3/8-24UNF	2.185
1 3/8	JEL207-106W3	1.3750										
1 7/16	JEL207-107W3	1.4375										
40	JEL208W3	40	80	43.7	30.2	22	1.5	11	32.7	6.8	M10×1.25	60
1 1/2	JEL208-108W3	1.5000	3.1496	1.720	1.1890	0.8661	0.059	0.433	1.287	0.268	3/8-24UNF	2.362
1 9/16	JEL208-109W3	1.5625										

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

Nominal dimensions ^{mm} inch B ₅	Basic load ratings		Mass kg lb
	^N lbf dynamic C _r	static C _{or}	
13.6	9 600	4 600	0.12
0.535	2 160	1 030	0.25
13.6	9 600	4 600	0.10
0.535	2 160	1 030	0.24
			0.22
13.6	9 600	4 600	0.09
0.535	2 160	1 030	0.20
13.5	12 800	6 650	0.16
0.531	2 890	1 500	0.37
13.5	14 000	7 850	0.19
			0.50
0.531	3 150	1 770	0.47
			0.44
			0.41
15.9	19 500	11 300	0.33
			0.78
0.626	4 400	2 540	0.73
			0.69
			0.64
17.5	25 700	15 300	0.50
			1.22
0.689	5 750	3 450	1.16
			1.11
			1.05
18.3	29 100	17 800	0.65
			1.53
0.720	6 550	4 000	1.46

Ball bearings
Eccentric locking collar type

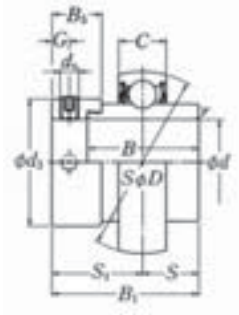


Shaft dia. mm inch	Bearing (1) number	Nominal dimensions											
		<i>d</i>	<i>D</i>	<i>B</i> ₁	<i>B</i>	<i>C</i>	^{mm} <i>r</i>	<i>S</i>	<i>S</i> ₁	<i>G</i>	<i>d</i> _s	<i>d</i> ₃	
							^{inch} min.						
20 ³ / ₄	REL204W3 REL204-012W3	20 0.7500	47 1.8504	43.7 1.720	34.2 1.3465	15 0.5906	1 0.039	17.1 0.673	26.6 1.047	4.8 0.189	M6×0.75 ¹ / ₄ -28UNF	33.0 1.299	
25 ¹³ / ₁₆ ⁷ / ₈ ¹⁵ / ₁₆	REL205W3 REL205-013W3 REL205-014W3 REL205-015W3 REL205-100W3	25 0.8125 0.8750 0.9375 1.0000	2.0472	1.748	1.3740	0.5906	0.039	0.687	1.059	0.189	¹ / ₄ -28UNF	1.496	
1													
30 ¹ / ₁₆ ¹ / ₈ ³ / ₁₆ ¹ / ₄	REL206W3 REL206-101W3 REL206-102W3 REL206-103W3 REL206-104W3	30 1.0625 1.1250 1.1875 1.2500	2.4409	1.906	1.4370	0.7087	0.039	0.719	1.185	0.236	⁵ / ₁₆ -24UNF	1.752	
35 ¹ / ₄ ⁵ / ₁₆ ³ / ₈ ⁷ / ₁₆	REL207W3 REL207-104W3 REL207-105W3 REL207-106W3 REL207-107W3	35 1.2500 1.3125 1.3750 1.4375	2.8346	2.012	1.4803	0.7480	0.059	0.740	1.272	0.268	³ / ₈ -24UNF	2.185	
40 ¹ / ₂ ⁹ / ₁₆	REL208W3 REL208-108W3 REL208-109W3	40 1.5000 1.5625	3.1496	2.217	1.6850	0.8661	0.059	0.843	1.374	0.268	³ / ₈ -24UNF	2.362	
45 ⁵ / ₈ ¹¹ / ₁₆ ³ / ₄	REL209W3 REL209-110W3 REL209-111W3 REL209-112W3	45 1.6250 1.6875 1.7500	3.3465	2.217	1.6850	0.8661	0.059	0.843	1.374	0.268	³ / ₈ -24UNF	2.500	

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

Nominal dimensions mm inch B_5	Basic load ratings		Mass
	N lbf		kg lb
	dynamic C_r	static C_{or}	
13.5	12 800	6 650	0.22
0.531	2 890	1 500	0.43
13.5	14 000	7 850	0.26
			0.59
0.531	3 150	1 770	0.56
			0.53
			0.49
15.9	19 500	11 300	0.39
			0.92
0.626	4 400	2 540	0.87
			0.82
			0.78
17.5	25 700	15 300	0.59
			1.41
0.689	5 750	3 450	1.36
			1.31
			1.24
18.3	29 100	17 800	0.76
0.720	6 550	4 000	1.88
			1.80
18.3	32 500	20 400	0.78
			2.01
0.720	7 350	4 600	1.93
			1.84

Ball bearings
Eccentric locking collar type

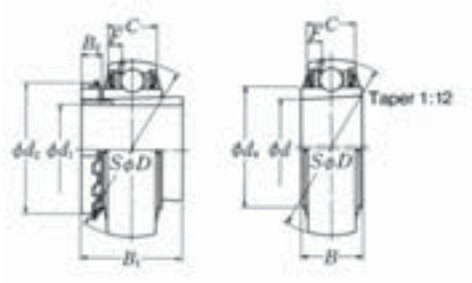


Shaft dia. mm inch	Bearing (¹) number	Nominal dimensions										
		d	D	B ₁	B	C	mm inch r min.	S	S ₁	G	d _s	d ₃
50	REL210W3	50	90	62.7	49.2	22	1.5	24.6	38.1	6.8	M10×1.25	69.5
1 ¹³ / ₁₆	REL210-113W3	1.8125										
1 ⁷ / ₈	REL210-114W3	1.8750	3.5433	2.469	1.9370	0.8661	0.059	0.969	1.500	0.268	³ / ₈ -24UNF	2.736
1 ¹⁵ / ₁₆	REL210-115W3	1.9375										
2	REL210-200W3	2.0000										
55	REL211W3	55	100	71.4	55.5	24	2	27.75	43.6	8	M10×1.25	76
2	REL211-200W3	2.0000										
2 ¹ / ₁₆	REL211-201W3	2.0625	3.9370	2.811	2.1850	0.9449	0.079	1.093	1.717	0.315	³ / ₈ -24UNF	2.992
2 ¹ / ₈	REL211-202W3	2.1250										
2 ³ / ₁₆	REL211-203W3	2.1875										
60	REL212W3	60	110	77.8	61.9	27	2	30.95	46.8	8	M10×1.25	84
2 ¹ / ₄	REL212-204W3	2.2500										
2 ⁵ / ₁₆	REL212-205W3	2.3125	4.3307	3.063	2.4370	1.0630	0.079	1.219	1.843	0.315	³ / ₈ -24UNF	3.307
2 ³ / ₈	REL212-206W3	2.3750										
2 ⁷ / ₁₆	REL212-207W3	2.4375										

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

Nominal dimensions mm inch B₅	Basic load ratings		Mass kg lb
	N lbf dynamic C_r	static C_{or}	
18.3	35 000	23 200	0.96 2.42
0.720	7 900	5 200	2.32 2.21 2.05
20.7	43 500	29 200	1.28 3.21
0.815	9 750	6 550	3.05 2.95 2.83
22.3	52 500	36 000	1.83 4.29
0.878	11 800	8 150	4.13 3.96 3.79

Ball bearings
Adapter type

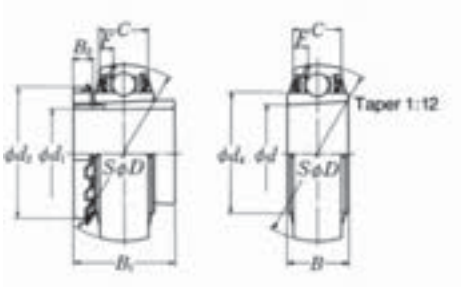


Shaft dia. mm inch	Bearing ⁽¹⁾ / ₍₂₎ / ₍₃₎ number	Nominal dimensions									
		mm inch									
		d	D	B	C	d ₄	d ₁	B ₁	B ₂	d ₂	F
20	UK205D1;H2305X	25	52	23	17	33.9	20	35	8	38	4.5
³ / ₄	UK205D1;HE2305	0.9843	2.0472	0.9055	0.6693	1.335	³ / ₄	1.378	0.315	1.496	0.177
25	UK206D1;H2306X	30	62	26	19	40.8	25	38	8	45	4.6
⁷ / ₈	UK206D1;HS2306	1.1811	2.4409	1.0236	0.7480	1.606	⁷ / ₈	1.496	0.315	1.772	0.181
1	UK206D1;HE2306X						1				
30	UK207D1;H2307X	35	72	29	20	46.8	30	43	9	52	4.6
1 ¹ / ₈	UK207D1;HS2307	1.3780	2.8346	1.1417	0.7874	1.843	1 ¹ / ₈	1.693	0.354	2.047	0.181
35	UK208D1;H2308X	40	80	31	21	53	35	46	10	58	4.5
1 ¹ / ₄	UK208D1;HE2308X	1.5748	3.1496	1.2205	0.8268	2.087	1 ¹ / ₄	1.811	0.394	2.283	0.177
1 ³ / ₈	UK208D1;HS2308X						1 ³ / ₈				
40	UK209D1;H2309X	45	85	31	22	57.5	40	50	11	65	4.9
1 ⁷ / ₁₆	UK209D1;HA2309						1 ⁷ / ₁₆				
1 ¹ / ₂	UK209D1;HE2309X	1.7717	3.3465	1.2205	0.8661	2.264	1 ¹ / ₂	1.969	0.433	2.559	0.193
1 ⁵ / ₈	UK209D1;HS2309X						1 ⁵ / ₈				
45	UK210D1;H2310X	50	90	32	24	62.4	45	55	12	70	5.9
1 ⁵ / ₈	UK210D1;HS2310						1 ⁵ / ₈				
1 ¹¹ / ₁₆	UK210D1;HA2310	1.9685	3.5433	1.2598	0.9449	2.457	1 ¹¹ / ₁₆	2.165	0.472	2.756	0.232
1 ³ / ₄	UK210D1;HE2310X						1 ³ / ₄				
50	UK211D1;H2311X	55	100	35	25	69	50	59	12	75	6.0
1 ⁷ / ₈	UK211D1;HS2311						1 ⁷ / ₈				
1 ¹⁵ / ₁₆	UK211D1;HA2311	2.1654	3.9370	1.3780	0.9843	2.717	1 ¹⁵ / ₁₆	2.323	0.472	2.953	0.236
2	UK211D1;HE2311XY						2				
55	UK212D1;H2312X	60	110	38	27	77	55	62	13	80	6.2
2 ¹ / ₈	UK212D1;HS2312	2.3622	4.3307	1.4961	1.0630	3.031	2 ¹ / ₈	2.441	0.512	3.150	0.244

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

Basic load ratings		Mass
N lbf		kg lb
dynamic C _r	static C _{or}	
14 000	7 850	0.23
3 150	1 770	0.57
19 500	11 300	0.36
4 400	2 540	0.86
		0.78
25 700	15 300	0.55
5 750	3 450	1.30
29 100	17 800	0.74
6 550	4 000	1.77
		1.63
32 500	20 400	0.80
		2.01
7 350	4 600	1.93
		1.76
35 000	23 200	0.94
		2.38
7 900	5 200	2.28
		2.18
43 500	29 200	1.22
		2.96
9 750	6 550	2.84
		2.70
52 500	36 000	1.54
11 800	8 150	3.60

Ball bearings
Adapter type

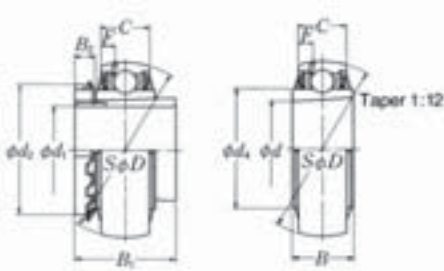


Shaft dia. mm inch	Bearing (°C) number	Nominal dimensions									
		mm inch									
		d	D	B	C	d ₄	d ₁	B ₁	B ₂	d ₂	F
60	UK213D1;H2313X	65	120	40	32	82.5	60	65	14	85	8.7
2 3/16	UK213D1;HA2313						2 3/16				
2 1/4	UK213D1;HE2313X	2.5591	4.7244	1.5748	1.2598	3.248	2 1/4	2.559	0.551	3.346	0.343
2 3/8	UK213D1;HS2313X						2 3/8				
65	UK215D1;H2315X	75	130	44	34	93	65	73	15	98	9.0
2 7/16	UK215D1;HA2315						2 7/16				
2 1/2	UK215D1;HE2315X	2.9528	5.1181	1.7323	1.3386	3.661	2 1/2	2.874	0.591	3.858	0.354
70	UK216D1;H2316X	80	140	45	35	98.1	70	78	17	105	9.5
2 11/16	UK216D1;HA2316						2 11/16				
2 3/4	UK216D1;HE2316X	3.1496	5.5118	1.7717	1.3780	3.862	2 3/4	3.071	0.669	4.134	0.374
75	UK217D1;H2317X	85	150	46	36	106.4	75	82	18	110	10.1
2 15/16	UK217D1;HA2317X						2 15/16				
3	UK217D1;HE2317X	3.3465	5.9055	1.8110	1.4173	4.189	3	3.228	0.709	4.331	0.398
80	UK218D1;H2318X	90	160	47	37	111.6	80	86	18	120	9.8
3 3/16	UK218D1;HA2318X						3 3/16				
		3.5433	6.2992	1.8504	1.4567	4.394	3 3/16	3.386	0.709	4.724	0.386

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

Basic load ratings		Mass
N lbf		kg lb
dynamic C _r	static C _{or}	
57 500	40 000	2.00
		4.86
12 900	9 000	4.70
		4.38
66 000	49 500	2.56
		6.04
14 900	11 100	5.84
72 500	53 000	3.23
		7.38
16 300	11 900	7.14
83 500	64 000	3.93
		8.73
18 700	14 300	8.46
96 000	71 500	4.51
21 600	16 100	11.0

Ball bearings
Adapter type

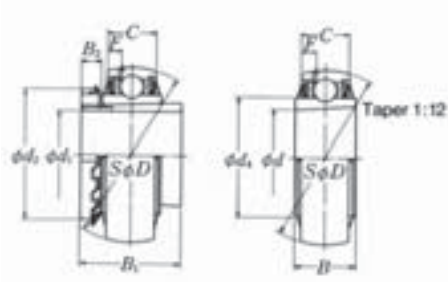


UK3...D1;H, HA, HE, HS											
Shaft dia. mm inch	Bearing ⁽¹⁾ / ₍₂₎ / ₍₃₎ number	Nominal dimensions									
		mm inch									
		d	D	B	C	d ₄	d ₁	B ₁	B ₂	d ₂	F
20 ¾	UK305D1;H2305X UK305D1;HE2305	25 0.9843	62 2.4409	26 1.0236	20 0.7874	36.8 1.449	20 ¾	35 1.378	8 0.315	38 1.496	5.0 0.197
25 ⅞	UK306D1;H2306X UK306D1;HS2306 UK306D1;HE2306X	30 1.1811	72 2.8346	29 1.1417	23 0.9055	44.9 1.768	25 ⅞ 1	38 1.496	8 0.315	45 1.772	5.9 0.232
30 1⅛	UK307D1;H2307X UK307D1;HS2307	35 1.3780	80 3.1496	33 1.2992	25 0.9843	49.4 1.945	30 1⅛	43 1.693	9 0.354	52 2.047	6.8 0.268
35 1¼	UK308D1;H2308X UK308D1;HE2308X UK308D1;HS2308X	40 1.5748	90 3.5433	34 1.3386	27 1.0630	56 2.205	35 1¼ 1⅜	46 1.811	10 0.394	58 2.283	7.4 0.291
40 1⅞	UK309D1;H2309X UK309D1;HA2309 UK309D1;HE2309X UK309D1;HS2309X	45 1.7717	100 3.9370	37 1.4567	29 1.1417	63.5 2.500	40 1⅞ 1½ 1⅝	50 1.969	11 0.433	65 2.559	7.4 0.291
45 1⅝	UK310D1;H2310X UK310D1;HS2310 UK310D1;HA2310 UK310D1;HE2310X	50 1.9685	110 4.3307	41 1.6142	32 1.2598	70.6 2.780	45 1⅝ 1⅞ 1⅜	55 2.165	12 0.472	70 2.756	8.1 0.319
50 1⅞	UK311D1;H2311X UK311D1;HS2311 UK311D1;HA2311 UK311D1;HE2311XY	55 2.1654	120 4.7244	44 1.7323	34 1.3386	76.6 3.016	50 1⅞ 1⅝ 2	59 2.323	12 0.472	75 2.953	8.5 0.335
55 2⅞	UK312D1;H2312X UK312D1;HS2312	60 2.3622	130 5.1181	47 1.8504	36 1.4173	82.7 3.256	55 2⅞	62 2.441	13 0.512	80 3.150	9.0 0.354

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

Basic load ratings		Mass kg lb
N lbf dynamic C _r	static C _{or}	
21 200 4 750	10 900 2 460	0.36 0.81
26 700 6 000	15 000 3 400	0.59 1.37 1.29
33 500 7 500	19 100 4 300	0.75 1.70
40 500 9 150	24 000 5 400	1.00 2.38 2.25
53 000 11 900	32 000 7 200	1.28 3.22 3.14 2.97
62 000 13 900	38 500 8 600	1.72 3.95 3.85 3.74
71 500 16 100	45 000 10 100	2.06 4.73 4.60 4.46
82 000 18 400	52 000 11 700	2.58 5.67

Ball bearings
Adapter type

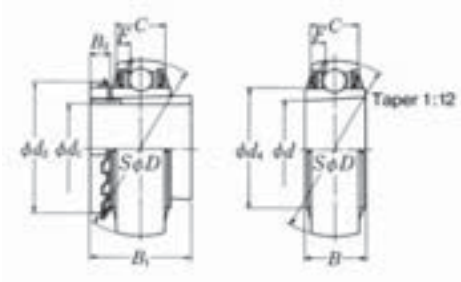


UK3...D1;H, HA, HE, HS											
Shaft dia. mm inch	Bearing (°C) number	Nominal dimensions									
		mm inch									
		d	D	B	C	d ₄	d ₁	B ₁	B ₂	d ₂	F
60	UK313D1;H2313X	65	140	49	39	88.2	60	65	14	85	10.1
2 3⁄16	UK313D1;HA2313						2 3⁄16				
2 1⁄4	UK313D1;HE2313X	2.5591	5.5118	1.9291	1.5354	3.472	2 1⁄4	2.559	0.551	3.346	0.398
2 3⁄8	UK313D1;HS2313X						2 3⁄8				
65	UK315D1;H2315X	75	160	55	43	101.3	65	73	15	98	11.0
2 7⁄16	UK315D1;HA2315						2 7⁄16				
2 1⁄2	UK315D1;HE2315X	2.9528	6.2992	2.1654	1.6929	3.988	2 1⁄2	2.874	0.591	3.858	0.433
70	UK316D1;H2316X	80	170	58	45	107.9	70	78	17	105	11.4
2 11⁄16	UK316D1;HA2316						2 11⁄16				
2 3⁄4	UK316D1;HE2316X	3.1496	6.6929	2.2835	1.7717	4.248	2 3⁄4	3.071	0.669	4.134	0.449
75	UK317D1;H2317X	85	180	60	47	114.4	75	82	18	110	12.0
2 15⁄16	UK317D1;HA2317X						2 15⁄16				
3	UK317D1;HE2317X	3.3465	7.0866	2.3622	1.8504	4.504	3	3.228	0.709	4.331	0.472
80	UK318D1;H2318X	90	190	64	49	120.9	80	86	18	120	12.3
3 3⁄16	UK318D1;HA2318X						3 3⁄16				
		3.5433	7.4803	2.5197	1.9291	4.760		3.386	0.709	4.724	0.484
85	UK319D1;H2319X	95	200	67	51	127.5	85	90	19	125	12.8
3 1⁄4	UK319D1;HE2319X						3 1⁄4				
		3.7402	7.8740	2.6378	2.0079	5.020		3.543	0.748	4.921	0.504
90	UK320D1;H2320X	100	215	73	55	135.6	90	97	20	130	13.5
3 7⁄16	UK320D1;HA2320						3 7⁄16				
3 1⁄2	UK320D1;HE2320X	3.9370	8.4646	2.8740	2.1654	5.339	3 1⁄2	3.819	0.787	5.118	0.531
100	UK322D1;H2322X	110	240	80	59	151.7	100	105	21	145	13.9
110	UK324D1;H2324	120	260	86	63	165.2	110	112	22	155	16.0
115	UK326D1;H2326	130	280	90	67	178.3	115	121	23	165	16.9
125	UK328D1;H2328	140	300	95	71	190.4	125	131	24	180	17.7

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

Basic load ratings		Mass
N lbf		kg lb
dynamic C _r	static C _{or}	
92 500	60 000	3.08
		7.24
20 800	13 400	7.08
		6.76
113 000	77 000	4.75
		11.1
25 500	17 400	10.9
123 000	86 500	5.75
		12.9
27 600	19 500	12.7
133 000	97 000	6.72
		14.9
29 800	21 800	14.6
143 000	107 000	7.75
32 000	24 100	17.2
153 000	119 000	9.02
34 500	26 600	20.4
173 000	141 000	11.0
		24.7
39 000	31 500	25.1
205 000	179 000	14.9
207 000	185 000	18.0
229 000	214 000	23.3
253 000	246 000	28.6

Ball bearings
Adapter type

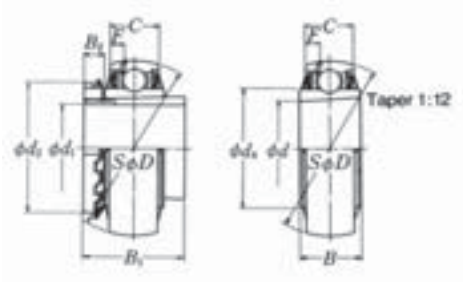


UKX...D1;H, HA, HE, HS											
Shaft dia. mm inch	Bearing ⁽¹⁾ / ₍₂₎ / ₍₃₎ number	Nominal dimensions									
		mm inch									
		d	D	B	C	d ₄	d ₁	B ₁	B ₂	d ₂	F
20 ¾	UKX05D1;H2305X UKX05D1;HE2305	25 0.9843	62 2.4409	26 1.0236	19 0.7480	40.8 1.606	20 ¾	35 1.378	8 0.315	38 1.496	4.6 0.181
25 ⅞	UKX06D1;H2306X UKX06D1;HS2306 UKX06D1;HE2306X	30 1.1811	72 2.8346	29 1.1417	20 0.7874	46.8 1.843	25 ⅞	38 1.496	8 0.315	45 1.772	4.6 0.181
30 1⅛	UKX07D1;H2307X UKX07D1;HS2307	35 1.3780	80 3.1496	31 1.2205	21 0.8268	53 2.087	30 1⅛	43 1.693	9 0.354	52 2.047	4.5 0.177
35 1¼	UKX08D1;H2308X UKX08D1;HE2308X UKX08D1;HS2308X	40 1.5748	85 3.3465	31 1.2205	22 0.8661	57.5 2.264	35 1¼	46 1.811	10 0.394	58 2.283	4.9 0.193
40 1⅞	UKX09D1;H2309X UKX09D1;HA2309 UKX09D1;HE2309X UKX09D1;HS2309X	45 1.7717	90 3.5433	32 1.2598	24 0.9449	62.4 2.457	40 1⅞	50 1.969	11 0.433	65 2.559	5.9 0.232
45 1⅝	UKX10D1;H2310X UKX10D1;HS2310 UKX10D1;HA2310 UKX10D1;HE2310X	50 1.9685	100 3.9370	35 1.3780	25 0.9843	69 2.717	45 1⅝	55 2.165	12 0.472	70 2.756	6.0 0.236
50 1⅞	UKX11D1;H2311X UKX11D1;HS2311 UKX11D1;HA2311 UKX11D1;HE2311XY	55 2.1654	110 4.3307	38 1.4961	27 1.0630	77 3.031	50 1⅞	59 2.323	12 0.472	75 2.953	6.2 0.244
55 2⅛	UKX12D1;H2312X UKX12D1;HS2312	60 2.3622	120 4.7244	40 1.5748	32 1.2598	82.5 3.248	55 2⅛	62 2.441	13 0.512	80 3.150	8.7 0.343

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

Basic load ratings		Mass
N lbf		kg lb
dynamic C_T	static C_{OF}	
19 500	11 300	0.38
4 400	2 540	0.85
25 700	15 300	0.53
5 750	3 450	1.24
		1.16
29 100	17 800	0.75
6 550	4 000	1.70
32 500	20 400	0.85
7 350	4 600	2.01
		1.88
35 000	23 200	0.97
		2.32
7 900	5 200	2.24
		2.07
43 500	29 200	1.26
		3.09
9 750	6 550	2.99
		2.88
52 500	36 000	1.62
		3.84
11 800	8 150	3.72
		3.58
57 500	40 000	2.07
12 900	9 000	4.66

Ball bearings
Adapter type

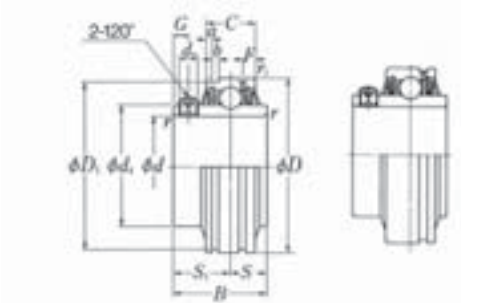


UKX...D1;H, HA, HE, HS											
Shaft dia. mm inch	Bearing (°)(°) number	Nominal dimensions									
		mm inch									
		d	D	B	C	d ₄	d ₁	B ₁	B ₂	d ₂	F
60	UKX13D1;H2313X	65	125	42	33	87	60	65	14	85	8.8
2 3/16	UKX13D1;HA2313						2 3/16				
2 1/4	UKX13D1;HE2313X	2.5591	4.9213	1.6535	1.2992	3.425	2 1/4	2.559	0.551	3.346	0.346
2 3/8	UKX13D1;HS2313X						2 3/8				
65	UKX15D1;H2315X	75	140	45	35	98.1	65	73	15	98	9.5
2 7/16	UKX15D1;HA2315						2 7/16				
2 1/2	UKX15D1;HE2315X	2.9528	5.5118	1.7717	1.3780	3.862	2 1/2	2.874	0.591	3.858	0.374
70	UKX16D1;H2316X	80	150	46	36	106.4	70	78	17	105	10.1
2 11/16	UKX16D1;HA2316						2 11/16				
2 3/4	UKX16D1;HE2316X	3.1496	5.9055	1.8110	1.4173	4.189	2 3/4	3.071	0.669	4.134	0.398
75	UKX17D1;H2317X	85	160	47	37	111.6	75	82	18	110	9.8
2 15/16	UKX17D1;HA2317X						2 15/16				
3	UKX17D1;HE2317X	3.3465	6.2992	1.8504	1.4567	4.394	3	3.228	0.709	4.331	0.386
80	UKX18D1;H2318X	90	170	49	39	118.2	80	86	18	120	10.5
3 3/16	UKX18D1;HA2318X						3 3/16				
90	UKX20D1;H2320X	100	190	57	44	131.3	90	97	20	130	11.3

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

Basic load ratings		Mass
N lbf		kg lb
dynamic C _r	static C _{or}	
62 000	44 000	2.19
		5.28
14 000	9 900	5.12
		4.79
72 500	53 000	3.25
		7.47
16 300	11 900	7.27
83 500	64 000	3.87
		8.79
18 700	14 300	8.56
96 000	71 500	4.53
		10.6
21 600	16 100	10.3
109 000	82 000	5.17
24 500	18 400	11.2
133 000	105 000	7.39

Ball bearings
Set screw type

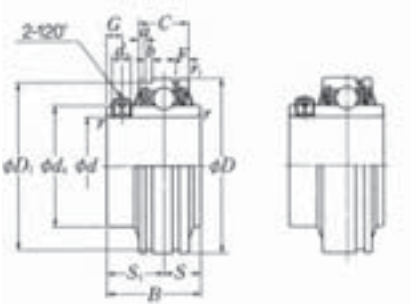


Shaft dia. mm inch	Bearing (°) number	Nominal dimensions									
		<i>d</i>	<i>D</i>	<i>B</i>	<i>C</i>	<i>r</i>	<i>r</i> ₁	<i>S</i>	<i>S</i> ₁	<i>G</i>	<i>d</i> _s
						mm min.	inch min.				
12	UCS201LD1N	12	47	31	17	0.6	0.6	12.7	18.3	4.5	M5×0.8
1/2	UCS201-008LD1N	0.5000	1.8504	1.2205	0.6693	0.024	0.024	0.500	0.720	0.177	No.10-32UNNF
15	UCS202LD1N	15	47	31	17	0.6	0.6	12.7	18.3	4.5	M5×0.8
9/16	UCS202-009LD1N	0.5625	1.8504	1.2205	0.6693	0.024	0.024	0.500	0.720	0.177	No.10-32UNNF
5/8	UCS202-010LD1N	0.6250									
17	UCS203LD1N	17	47	31	17	0.6	0.6	12.7	18.3	4.5	M5×0.8
11/16	UCS203-011LD1N	0.6875	1.8504	1.2205	0.6693	0.024	0.024	0.500	0.720	0.177	No.10-32UNNF
20	UCS204LD1N	20	47	31	17	1	0.6	12.7	18.3	4.5	M5×0.8
3/4	UCS204-012LD1N	0.7500	1.8504	1.2205	0.6693	0.039	0.024	0.500	0.720	0.177	No.10-32UNNF
25	UCS205LD1N	25	52	34.1	17	1	0.6	14.3	19.8	5	M5×0.8
13/16	UCS205-013LD1N	0.8125									
7/8	UCS205-014LD1N	0.8750	2.0472	1.3425	0.6693	0.039	0.024	0.563	0.780	0.197	No.10-32UNNF
15/16	UCS205-015LD1N	0.9375									
1	UCS205-100LD1N	1.0000									
30	UCS206LD1N	30	62	38.1	19	1	1	15.9	22.2	5	M6×0.75
1 1/16	UCS206-101LD1N	1.0625									
1 1/8	UCS206-102LD1N	1.1250	2.4409	1.5000	0.7480	0.039	0.039	0.626	0.874	0.197	1/4-28UNF
1 3/16	UCS206-103LD1N	1.1875									
1 1/4	UCS206-104LD1N	1.2500									
35	UCS207LD1N	35	72	42.9	20	1.5	1.5	17.5	25.4	6	M6×0.75
1 1/4	UCS207-104LD1N	1.2500									
1 5/16	UCS207-105LD1N	1.3125	2.8346	1.6890	0.7874	0.059	0.059	0.689	1.000	0.236	1/4-28UNF
1 3/8	UCS207-106LD1N	1.3750									
1 7/16	UCS207-107LD1N	1.4375									
40	UCS208LD1N	40	80	49.2	21	1.5	1.5	19	30.2	8	M8×1
1 1/2	UCS208-108LD1N	1.5000	3.1496	1.9370	0.8268	0.059	0.059	0.748	1.189	0.315	5/16-24UNF
1 9/16	UCS208-109LD1N	1.5625									
45	UCS209LD1N	45	85	49.2	22	1.5	1.5	19	30.2	8	M8×1
1 5/8	UCS209-110LD1N	1.6250									
1 11/16	UCS209-111LD1N	1.6875	3.3465	1.9370	0.8661	0.059	0.059	0.748	1.189	0.315	5/16-24UNF
1 3/4	UCS209-112LD1N	1.7500									

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

Nominal dimensions					Basic load ratings		Mass
<i>d</i> ₄	<i>D</i> ₁	<i>a</i>	<i>b</i>	<i>F</i>	N lbf dynamic <i>C</i> _r	static <i>C</i> _{or}	kg lb
29.6	44.6	3.1	1.5	4	12 800	6 650	0.21
1.1654	1.756	0.122	0.059	0.157	2 890	1 500	0.46
29.6	44.6	3.1	1.5	4	12 800	6 650	0.20
1.1654	1.756	0.122	0.059	0.157	2 890	1 500	0.44
29.6	44.6	3.1	1.5	4	12 800	6 650	0.18
1.1654	1.756	0.122	0.059	0.157	2 890	1 500	0.39
29.6	44.6	3.1	1.5	4	12 800	6 650	0.17
1.1654	1.756	0.122	0.059	0.157	2 890	1 500	0.39
33.9	49.73	3.2	1.5	4.1	14 000	7 850	0.20
							0.53
1.3346	1.958	0.126	0.059	0.161	3 150	1 770	0.51
							0.46
							0.44
40.8	59.61	3.2	2.05	4.2	19 500	11 300	0.34
							0.82
1.6063	2.347	0.126	0.081	0.165	4 400	2 540	0.77
							0.73
							0.66
46.8	68.81	3.3	2.05	5	25 700	15 300	0.48
							1.21
1.8425	2.709	0.130	0.081	0.197	5 750	3 450	1.15
							1.08
							1.01
53	76.81	3.4	2.05	5	29 100	17 800	0.65
2.0866	3.024	0.134	0.081	0.197	6 550	4 000	1.52
							1.46
57.5	81.81	3.5	2.05	5.1	32 500	20 400	0.70
							1.76
2.2638	3.221	0.138	0.081	0.201	7 350	4 600	1.68
							1.57

Ball bearings
Set screw type

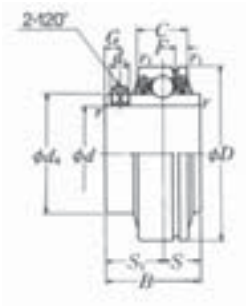


Shaft dia. mm inch	Bearing (°) number	Nominal dimensions									
		<i>d</i>	<i>D</i>	<i>B</i>	<i>C</i>	<i>r</i>	<i>r</i> ₁	<i>S</i>	<i>S</i> ₁	<i>G</i>	<i>d</i> _s
						mm min.	inch min.				
50	UCS210LD1N	50	90	51.6	24	1.5	1.5	19	32.6	9	M8×1
1 13/16	UCS210-113LD1N	1.8125									
1 7/8	UCS210-114LD1N	1.8750									
1 15/16	UCS210-115LD1N	1.9375	3.5433	2.0315	0.9449	0.059	0.059	0.748	1.283	0.354	5/16"-24UNF
2	UCS210-200LD1N	2.0000									
55	UCS211LD1N	55	100	55.6	25	2	2	22.2	33.4	9	M8×1
2	UCS211-200LD1N	2.0000									
2 1/16	UCS211-201LD1N	2.0625									
2 1/8	UCS211-202LD1N	2.1250	3.9370	2.1890	0.9843	0.079	0.079	0.874	1.315	0.354	5/16"-24UNF
2 3/16	UCS211-203LD1N	2.1875									
60	UCS212LD1N	60	110	65.1	27	2	2	25.4	39.7	10	M10×1.25
2 1/4	UCS212-204LD1N	2.2500									
2 5/16	UCS212-205LD1N	2.3125									
2 3/8	UCS212-206LD1N	2.3750	4.3307	2.5630	1.0630	0.079	0.079	1.000	1.563	0.394	3/8"-24UNF
2 7/16	UCS212-207LD1N	2.4375									
65	UCS213D1	65	120	65.1	32	2	2	25.4	39.7	10	M10×1.25
2 1/2	UCS213-208D1	2.5000									
2 9/16	UCS213-209D1	2.5625	4.7244	2.5630	1.2598	0.079	0.079	1.000	1.563	0.394	3/8"-24UNF
70	UCS214D1	70	125	74.6	33	2	2	30.2	44.4	12	M10×1.25
75	UCS215D1	75	130	77.8	34	2	2	33.3	44.5	12	M10×1.25
80	UCS216D1	80	140	82.6	35	2.5	2.5	33.3	49.3	12	M10×1.25
85	UCS217D1	85	150	85.7	36	2.5	2.5	34.1	51.6	12	M12×1.5
90	UCS218D1	90	160	96	37	2.5	2.5	39.7	56.3	12	M12×1.5

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

Nominal dimensions					Basic load ratings		Mass
<i>d</i> ₄	<i>D</i> ₁	<i>a</i>	<i>b</i>	<i>F</i>	N lbf dynamic <i>C</i> _r	static <i>C</i> _{0r}	kg lb
62.4	86.79	3.7	2.85	5.6	35 000	23 200	0.78 2.03
2.4567	3.417	0.146	0.112	0.220	7 900	5 200	1.92 1.81 1.69
69	96.80	4.4	2.85	5.9	43 500	29 200	1.06 2.71
2.7165	3.811	0.173	0.112	0.232	9 750	6 550	2.60 2.46 2.34
77	106.81	4.4	2.85	6	52 500	36 000	1.48 3.78
3.0315	4.205	0.173	0.112	0.236	11 800	8 150	3.62 3.45 3.29
82.5	—	—	—	6.8	57 500	40 000	1.88 4.41
3.2480	—	—	—	0.268	12 900	9 000	4.24
87	—	—	—	7	62 000	44 000	2.17
93	—	—	—	7	66 000	49 500	2.43
98.1	—	—	—	7.5	72 500	53 000	2.89
106.4	—	—	—	7.5	83 500	64 000	3.47
111.6	—	—	—	7	96 000	71 500	4.24

Ball bearings
Set screw type



Shaft dia. mm inch	Bearing (1) number	Nominal dimensions									
		d	D	B	C	r mm min.	r ₁ inch min.	S	S ₁	G	d _s
25 13/16 7/8 15/16 1	UCS305D1 UCS305-013D1 UCS305-014D1 UCS305-015D1 UCS305-100D1	25 0.8125 0.8750 0.9375 1.0000	62	38	20	1.5	0.6	15	23	6	M6×0.75 1/4-28UNF
30 1 1/16 1 1/8 1 3/16	UCS306D1 UCS306-101D1 UCS306-102D1 UCS306-103D1	30 1.0625 1.1250 1.1875	72	43	23	1.5	1	17	26	6	M6×0.75 1/4-28UNF
35 1 1/4 1 5/16 1 3/8 1 7/16	UCS307D1 UCS307-104D1 UCS307-105D1 UCS307-106D1 UCS307-107D1	35 1.2500 1.3125 1.3750 1.4375	80	48	25	2	1	19	29	8	M8×1 5/16-24UNF
40 1 1/2 1 9/16	UCS308D1 UCS308-108D1 UCS308-109D1	40 1.5000 1.5625	90	52	27	2	1	19	33	10	M10×1.25 3/8-24UNF
45 1 5/8 1 11/16 1 3/4	UCS309D1 UCS309-110D1 UCS309-111D1 UCS309-112D1	45 1.6250 1.6875 1.7500	100	57	29	2	1	22	35	10	M10×1.25 3/8-24UNF
50 1 13/16 1 7/8 1 15/16	UCS310D1 UCS310-113D1 UCS310-114D1 UCS310-115D1	50 1.8125 1.8750 1.9375	110	61	32	2.5	1.5	22	39	12	M12×1.5 1/2-20UNF
55 2 2 1/16 2 1/8 2 3/16	UCS311D1 UCS311-200D1 UCS311-201D1 UCS311-202D1 UCS311-203D1	55 2.0000 2.0625 2.1250 2.1875	120	66	34	2.5	1.5	25	41	12	M12×1.5 1/2-20UNF

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

Nominal dimensions mm inch		Basic load ratings		Mass
d ₄	F	N lbf		kg lb
		dynamic C _r	static C _{or}	
36.8	4.3	21 200	10 900	0.37 0.94
1.4488	0.169	4 750	2 460	0.90 0.83 0.81
44.9	5.1	26 700	15 000	0.58 1.39
1.7677	0.201	6 000	3 400	1.33 1.28
49.4	5.3	33 500	19 100	0.74 1.77
1.9449	0.209	7 500	4 300	1.70 1.64 1.57
56	5.6	40 500	24 000	1.00 2.32
2.2047	0.220	9 150	5 400	2.23
63.5	5.8	53 000	32 000	1.33 3.17
2.5000	0.228	11 900	7 200	3.09 2.98
70.6	6.3	62 000	38 500	1.72 4.10
2.7795	0.248	13 900	8 600	3.99 3.85
76.6	6.5	71 500	45 000	2.15 5.14
3.0157	0.256	16 100	10 100	4.99 4.85 4.68

Ball bearings
Set screw type



Shaft dia. mm inch	Bearing (¹) number	Nominal dimensions									
		<i>d</i>	<i>D</i>	<i>B</i>	<i>C</i>	<i>r</i>	<i>r</i> ₁	<i>S</i>	<i>S</i> ₁	<i>G</i>	<i>d</i> _s
						mm min.	inch min.				
60	UCS312D1	60	130	71	36	2.5	1.5	26	45	12	M12×1.5
2 1/4	UCS312-204D1	2.2500									
2 9/16	UCS312-205D1	2.3125	5.1181	2.7953	1.4173	0.098	0.059	1.024	1.772	0.472	1/2-20UNF
2 3/8	UCS312-206D1	2.3750									
2 7/16	UCS312-207D1	2.4375									
65	UCS313D1	65	140	75	39	2.5	2	30	45	12	M12×1.5
2 1/2	UCS313-208D1	2.5000	5.5118	2.9528	1.5354	0.098	0.079	1.181	1.772	0.472	1/2-20UNF
2 9/16	UCS313-209D1	2.5625									
70	UCS314D1	70	150	78	41	2.5	2	33	45	12	M12×1.5
2 5/8	UCS314-210D1	2.6250									
2 11/16	UCS314-211D1	2.6875	5.9055	3.0709	1.6142	0.098	0.079	1.299	1.772	0.472	1/2-20UNF
2 3/4	UCS314-212D1	2.7500									
75	UCS315D1	75	160	82	43	2.5	2	32	50	14	M14×1.5
2 13/16	UCS315-213D1	2.8125									
2 7/8	UCS315-214D1	2.8750	6.2992	3.2283	1.6929	0.098	0.079	1.260	1.969	0.551	9/16-18UNF
2 15/16	UCS315-215D1	2.9375									
3	UCS315-300D1	3.0000									
80	UCS316D1	80	170	86	45	2.5	2	34	52	14	M14×1.5
3 1/16	UCS316-301D1	3.0625									
3 1/8	UCS316-302D1	3.1250	6.6929	3.3858	1.7717	0.098	0.079	1.339	2.047	0.551	9/16-18UNF
3 3/16	UCS316-303D1	3.1875									
85	UCS317D1	85	180	96	47	3	2.5	40	56	16	M16×1.5
3 1/4	UCS317-304D1	3.2500									
3 5/16	UCS317-305D1	3.3125	7.0866	3.7795	1.8504	0.118	0.098	1.575	2.205	0.630	5/8-18UNF
3 7/16	UCS317-307D1	3.4375									
90	UCS318D1	90	190	96	49	3	2.5	40	56	16	M16×1.5
3 7/16	UCS318-307D1	3.4375	7.4803	3.7795	1.9291	0.118	0.098	1.575	2.205	0.630	5/8-18UNF
3 1/2	UCS318-308D1	3.5000									

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

Nominal dimensions mm inch		Basic load ratings		Mass
<i>d</i> ₄	<i>F</i>	N lbf	static	kg lb
		dynamic <i>C</i> _r	<i>C</i> _{or}	
82.7	6.7	82 000	52 000	2.70
				6.27
3.2559	0.264	18 400	11 700	6.10
				5.89
				5.72
88.2	7.5	92 500	60 000	3.37
				7.63
3.4724	0.295	20 800	13 400	7.41
94.8	7.5	104 000	68 000	4.03
				9.37
3.7323	0.295	23 400	15 300	9.13
				8.91
101.3	7.7	113 000	77 000	4.88
				11.4
3.9882	0.303	25 500	17 400	11.1
				10.9
				10.6
107.9	7.8	123 000	86 500	5.74
				13.0
4.2480	0.307	27 600	19 500	12.7
				12.5
114.4	8.2	133 000	97 000	6.88
				15.7
4.5039	0.323	29 800	21 800	15.4
				14.7
120.9	8.5	143 000	107 000	7.80
				17.8
4.7598	0.335	32 000	24 100	17.4

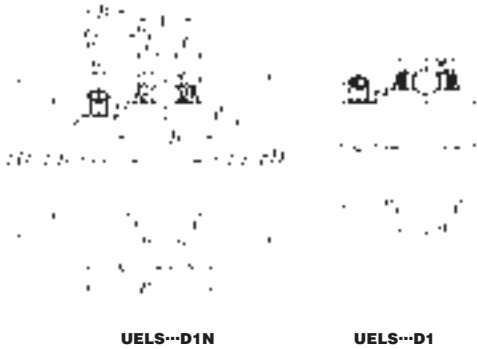
Ball bearings
Set screw type



Shaft dia. mm inch	Bearing number	Nominal dimensions										
		d	D	B	C	r min.	r_1 min.	S	S_1	G	d_s	d_4
12 $\frac{1}{2}$	ASS201N ASS201-008N	12 0.5000	40 1.5748	22 0.8661	12 0.4724	0.6 0.024	0.6 0.024	6 0.236	16 0.630	4.2 0.165	M5×0.8 No.10-32UNF	24.3 0.957
15 $\frac{9}{16}$ $\frac{5}{8}$	ASS202N ASS202-009N ASS202-010N	15 0.5625 0.6250	40 1.5748	22 0.8661	12 0.4724	0.6 0.024	0.6 0.024	6 0.236	16 0.630	4.2 0.165	M5×0.8 No.10-32UNF	24.3 0.957
17 $\frac{11}{16}$	ASS203N ASS203-011N	17 0.6875	40 1.5748	22 0.8661	12 0.4724	0.6 0.024	0.6 0.024	6 0.236	16 0.630	4.2 0.165	M5×0.8 No.10-32UNF	24.3 0.957
20 $\frac{3}{4}$	ASS204N ASS204-012N	20 0.7500	47 1.8504	25 0.9843	14 0.5512	1 0.039	0.6 0.024	7 0.276	18 0.709	4.2 0.165	M5×0.8 No.10-32UNF	29.6 1.165
25 $\frac{13}{16}$ $\frac{7}{8}$ $\frac{15}{16}$ 1	ASS205N ASS205-013N ASS205-014N ASS205-015N ASS205-100N	25 0.8125 0.8750 0.9375 1.0000	52 2.0472	27 1.0630	15 0.5906	1 0.039	0.6 0.024	7.5 0.295	19.5 0.768	5 0.197	M5×0.8 No.10-32UNF	33.9 1.335
30 $1\frac{1}{16}$ $1\frac{1}{8}$ $1\frac{3}{16}$ $1\frac{1}{4}$	ASS206N ASS206-101N ASS206-102N ASS206-103N ASS206-104N	30 1.0625 1.1250 1.1875 1.2500	62 2.4409	29 1.1417	16 0.6299	1 0.039	0.6 0.024	8 0.315	21 0.827	5 0.197	M6×0.75 $\frac{1}{4}$ -28UNF	40.8 1.606
35 $1\frac{1}{4}$ $1\frac{5}{16}$ $1\frac{3}{8}$ $1\frac{7}{16}$	ASS207N ASS207-104N ASS207-105N ASS207-106N ASS207-107N	35 1.2500 1.3125 1.3750 1.4375	72 2.8346	34 1.3386	17 0.6693	1.5 0.059	0.6 0.024	8.5 0.335	25.5 1.004	6 0.236	M6×0.75 $\frac{1}{4}$ -28UNF	46.8 1.843
40 $1\frac{1}{2}$ $1\frac{9}{16}$	ASS208N ASS208-108N ASS208-109N	40 1.5000 1.5625	80 3.1496	38 1.4961	18 0.7087	1.5 0.059	0.6 0.024	9 0.354	29 1.142	8 0.315	M8×1 $\frac{5}{16}$ -24UNF	53 2.087

Nominal dimensions			Basic load ratings		Mass
mm inch			N lbf		kg lb
D_1	a	b	dynamic C_r	static C_{or}	
38.1 1.500	1.98 0.078	1.5 0.059	9 600 2 160	4 600 1 030	0.12 0.24
38.1 1.500	1.98 0.078	1.5 0.059	9 600 2 160	4 600 1 030	0.11 0.23 0.22
38.1 1.500	1.98 0.078	1.5 0.059	9 600 2 160	4 600 1 030	0.10 0.20
44.6 1.756	2.38 0.094	1.5 0.059	12 800 2 890	6 650 1 500	0.17 0.33
49.73 1.958	2.38 0.094	1.5 0.059	14 000 3 150	7 850 1 770	0.20 0.46 0.44 0.42 0.39
59.61 2.347	3.18 0.125	2.05 0.081	19 500 4 400	11 300 2 540	0.31 0.67 0.65 0.63 0.61
68.81 2.709	3.18 0.125	2.05 0.081	25 700 5 750	15 300 3 450	0.49 1.18 1.05 0.93 0.81
76.81 3.024	3.18 0.125	2.05 0.081	29 100 6 550	17 800 4 000	0.50 1.15 1.06

Ball bearings
Eccentric locking collar type



Shaft dia. mm inch	Bearing (°) number	Nominal dimensions									
		<i>d</i>	<i>D</i>	<i>B</i> ₁	<i>B</i>	<i>C</i> mm inch	<i>r</i> min.	<i>r</i> ₁ min.	<i>S</i>	<i>S</i> ₁	<i>G</i>
20 3/4	UELS204LD1NW3 UELS204-012LD1NW3	20 0.7500	47 1.8504	43.7 1.720	34.2 1.3465	17 0.6693	1 0.039	0.6 0.024	17.1 0.673	26.6 1.047	4.8 0.189
25 13/16 7/8 15/16 1	UELS205LD1NW3 UELS205-013LD1NW3 UELS205-014LD1NW3 UELS205-015LD1NW3 UELS205-100LD1NW3	25 0.8125 0.8750 0.9375 1.0000	52 2.0472	44.4 1.748	34.9 1.3740	17 0.6693	1 0.039	0.6 0.024	17.45 0.687	26.9 1.059	4.8 0.189
30 1 1/16 1 1/8 1 3/16 1 1/4	UELS206LD1NW3 UELS206-101LD1NW3 UELS206-102LD1NW3 UELS206-103LD1NW3 UELS206-104LD1NW3	30 1.0625 1.1250 1.1875 1.2500	62 2.4409	48.4 1.906	36.5 1.4370	19 0.7480	1 0.039	1 0.039	18.25 0.719	30.1 1.185	6 0.236
35 1 1/4 1 5/16 1 3/8 1 7/16	UELS207LD1NW3 UELS207-104LD1NW3 UELS207-105LD1NW3 UELS207-106LD1NW3 UELS207-107LD1NW3	35 1.2500 1.3125 1.3750 1.4375	72 2.8346	51.1 2.012	37.6 1.4803	20 0.7874	1.5 0.059	1.5 0.059	18.8 0.740	32.3 1.272	6.8 0.268
40 1 1/2 1 9/16	UELS208LD1NW3 UELS208-108LD1NW3 UELS208-109LD1NW3	40 1.5000 1.5625	80 3.1496	56.3 2.217	42.8 1.6850	21 0.8268	1.5 0.059	1.5 0.059	21.4 0.843	34.9 1.374	6.8 0.268
45 1 5/8 1 11/16 1 3/4	UELS209LD1NW3 UELS209-110LD1NW3 UELS209-111LD1NW3 UELS209-112LD1NW3	45 1.6250 1.6875 1.7500	85 3.3465	56.3 2.217	42.8 1.6850	22 0.8661	1.5 0.059	1.5 0.059	21.4 0.843	34.9 1.374	6.8 0.268
50 1 13/16 1 7/8 1 15/16 2	UCS210LD1NW3 UCS210-113LD1NW3 UCS210-114LD1NW3 UCS210-115LD1NW3 UCS210-200LD1NW3	50 1.8125 1.8750 1.9375 2.0000	90 3.5433	62.7 2.469	49.2 1.9370	24 0.9449	1.5 0.059	1.5 0.059	24.6 0.969	38.1 1.500	6.8 0.268

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

Nominal dimensions							Basic load ratings		Mass
<i>d</i> _s	<i>d</i> ₃	<i>B</i> ₅	<i>D</i> ₁	<i>a</i>	<i>b</i>	<i>F</i>	N lbf dynamic <i>C</i> _r	static <i>C</i> _{or}	kg lb
M6×0.75 1/4-28UNF	33 1.299	13.5 0.531	44.6 1.756	3.1 0.122	1.5 0.059	4 0.157	12 800 2 890	6 650 1 500	0.23 0.45
M6×0.75 1/4-28UNF	38 1.496	13.5 0.531	49.73 1.958	3.2 0.126	1.5 0.059	4.1 0.161	14 000 3 150	7 850 1 770	0.27 0.61 0.58 0.55 0.51
M8×1 5/16-24UNF	44.5 1.752	15.9 0.626	59.61 2.347	3.2 0.126	2.05 0.081	4.2 0.165	19 500 4 400	11 300 2 540	0.41 0.94 0.89 0.84 0.80
M10×1.25 3/8-24UNF	55.5 2.185	17.5 0.689	68.81 2.709	3.3 0.130	2.05 0.081	5 0.197	25 700 5 750	15 300 3 450	0.60 1.45 1.40 1.35 1.28
M10×1.25 3/8-24UNF	60 2.362	18.3 0.720	76.81 3.024	3.4 0.134	2.05 0.081	5 0.197	29 100 6 550	17 800 4 000	0.79 1.90 1.82
M10×1.25 3/8-24UNF	63.5 2.500	18.3 0.720	81.81 3.221	3.5 0.138	2.05 0.081	5.1 0.201	32 500 7 350	20 400 4 600	0.85 2.05 1.97 1.88
M10×1.25 3/8-24UNF	69.5 2.736	18.3 0.720	86.79 3.417	3.7 0.146	2.85 0.112	5.6 0.220	35 000 7 900	23 200 5 200	0.98 2.46 2.36 2.25 2.09

Ball bearings
Eccentric locking collar type



		UELS...D1N						UELS...D1				
Shaft dia. mm inch	Bearing (1) number	Nominal dimensions										
		<i>d</i>	<i>D</i>	<i>B</i> ₁	<i>B</i>	mm inch		<i>r</i> min.	<i>r</i> ₁ min.	<i>S</i>	<i>S</i> ₁	<i>G</i>
						<i>C</i>	<i>r</i>					
55	UELS211LD1NW3	55	100	71.4	55.5	25	2	2	27.75	43.6	8	
2	UELS211-200LD1NW3	2.0000										
2 1/16	UELS211-201LD1NW3	2.0625	3.9370	2.811	2.1850	0.9843	0.079	0.079	1.093	1.717	0.315	
2 1/8	UELS211-202LD1NW3	2.1250										
2 3/16	UELS211-203LD1NW3	2.1875										
60	UELS212LD1NW3	60	110	77.8	61.9	27	2	2	30.95	46.8	8	
2 1/4	UELS212-204LD1W3	2.2500										
2 5/16	UELS212-205LD1W3	2.3125	4.3307	3.063	2.4370	1.0630	0.079	0.079	1.219	1.843	0.315	
2 3/8	UELS212-206LD1W3	2.3750										
2 7/16	UELS212-207LD1W3	2.4375										

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

Nominal dimensions								Basic load ratings		Mass
mm inch								N lbf		kg lb
<i>d</i> _s	<i>d</i> ₃	<i>B</i> ₅	<i>D</i> ₁	<i>a</i>	<i>b</i>	<i>F</i>		dynamic <i>C</i> _r	static <i>C</i> _{or}	
M10×1.25	76	20.7	96.80	4.4	2.85	5.9		43 500	29 200	1.32
										3.28
3/8"-24UNF	2.992	0.815	3.811	0.173	0.112	0.232		9 750	6 550	3.12
										3.02
										2.90
M10×1.25	84	22.3	106.81	4.4	2.85	6		52 500	36 000	1.93
										4.50
3/8"-24UNF	3.307	0.878	4.205	0.173	0.112	0.236		11 800	8 150	4.34
										4.17
										4.00

Ball bearings
Eccentric locking collar type



Shaft dia. mm inch	Bearing (°) number	Nominal dimensions											
		<i>d</i>	<i>D</i>	<i>B</i> ₁	<i>B</i>	<i>C</i>	<i>r</i>	<i>r</i> ₁	<i>S</i>	<i>S</i> ₁	<i>G</i>	<i>d</i> _s	
							mm min.	inch min.					
25	UELS305D1W3	25	62	46.8	34.9	20	1.5	0.6	16.7	30.1	6	M8×1	
	UELS305-013D1W3	0.8125											
	UELS305-014D1W3	0.8750											
	UELS305-015D1W3	0.9375	2.4409	1.843	1.3740	0.7874	0.059	0.024	0.657	1.185	0.236	5/16"-24UNF	
1	UELS305-100D1W3	1.0000											
30	UELS306D1W3	30	72	50	36.5	23	1.5	1	17.5	32.5	6.7	M8×1	
	UELS306-101D1W3	1.0625											
	UELS306-102D1W3	1.1250	2.8346	1.969	1.4370	0.9055	0.059	0.039	0.689	1.280	0.264	5/16"-24UNF	
	UELS306-103D1W3	1.1875											
35	UELS307D1W3	35	80	51.6	38.1	25	2	1	18.3	33.3	6.7	M8×1	
	UELS307-104D1W3	1.2500											
	UELS307-105D1W3	1.3125											
	UELS307-106D1W3	1.3750	3.1496	2.031	1.5000	0.9843	0.079	0.039	0.720	1.311	0.264	5/16"-24UNF	
	UELS307-107D1W3	1.4375											
40	UELS308D1W3	40	90	57.1	41.3	27	2	1	19.8	37.3	8	M10×1.25	
	UELS308-108D1W3	1.5000											
	UELS308-109D1W3	1.5625	3.5433	2.248	1.6260	1.0630	0.079	0.039	0.780	1.469	0.315	3/8"-24UNF	
45	UELS309D1W3	45	100	58.7	42.9	29	2	1	19.8	38.9	8	M10×1.25	
	UELS309-110D1W3	1.6250											
	UELS309-111D1W3	1.6875	3.9370	2.311	1.6890	1.1417	0.079	0.039	0.780	1.531	0.315	3/8"-24UNF	
	UELS309-112D1W3	1.7500											
50	UCS210D1W3	50	110	66.6	49.2	32	2.5	1.5	24.6	42	8.7	M10×1.25	
	UCS210-113D1W3	1.8125											
	UCS210-114D1W3	1.8750	4.3307	2.622	1.9370	1.2598	0.098	0.059	0.969	1.654	0.343	3/8"-24UNF	
	UCS210-115D1W3	1.9375											
55	UELS311D1W3	55	120	73	55.6	34	2.5	1.5	27.8	45.2	8.7	M10×1.25	
	UELS311-200D1W3	2.0000											
	UELS311-201D1W3	2.0625											
	UELS311-202D1W3	2.1250	4.7244	2.874	2.1890	1.3386	0.098	0.059	1.094	1.780	0.343	3/8"-24UNF	
	UELS311-203D1W3	2.1875											

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

Nominal dimensions			Basic load ratings		Mass
<i>d</i> ₃	<i>B</i> ₅	<i>F</i>	N lbf dynamic <i>C</i> _r	static <i>C</i> _{or}	kg lb
42.8	15.9	4.3	21 200	10 900	0.45 1.13
1.685	0.626	0.169	4 750	2 460	1.09 1.05 1.00
50	17.5	5.1	26 700	15 000	0.71 1.62
1.969	0.689	0.201	6 000	3 400	1.56 1.50
55	17.5	5.3	33 500	19 100	0.83 1.99
2.165	0.689	0.209	7 500	4 300	1.91 1.84 1.76
63.5	20.6	5.6	40 500	24 000	1.12 2.67
2.500	0.811	0.220	9 150	5 400	2.58
70	20.6	5.8	53 000	32 000	1.50 3.26
2.756	0.811	0.228	11 900	7 200	3.37 3.26
76.2	22.2	6.3	62 000	38 500	1.93 4.55
3.000	0.874	0.248	13 900	8 600	4.44 4.30
83	22.2	6.5	71 500	45 000	2.42 5.76
3.268	0.874	0.256	16 100	10 100	5.57 5.43 5.26

Ball bearings
Eccentric locking collar type

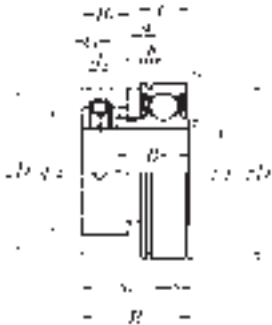


Shaft dia.	Bearing (°) number	Nominal dimensions											
		<i>d</i>	<i>D</i>	<i>B</i> ₁	<i>B</i>	<i>C</i>	<i>r</i>	<i>r</i> ₁	<i>S</i>	<i>S</i> ₁	<i>G</i>	<i>d</i> _s	
		mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	inch
60	UELS312D1W3	60	130	79.4	61.9	36	2.5	1.5	30.95	48.45	8.7	M10×1.25	
2 1/4	UELS312-204D1W3	2.2500											
2 5/16	UELS312-205D1W3	2.3125											
2 3/8	UELS312-206D1W3	2.3750	5.1181	3.126	2.4370	1.4173	0.098	0.059	1.219	1.907	0.343	3/8-24UNF	
2 7/16	UELS312-207D1W3	2.4375											
65	UELS313D1W3	65	140	85.7	65.1	39	2.5	2	32.55	53.15	10.3	M12×1.5	
2 1/2	UELS313-208D1W3	2.5000											
2 9/16	UELS313-209D1W3	2.5625	5.5118	3.374	2.5630	1.5354	0.098	0.079	1.281	2.093	0.406	1/2-20UNF	
70	UELS314D1W3	70	150	92.1	68.3	41	2.5	2	34.15	57.95	10.3	M12×1.5	
2 5/8	UELS314-210D1W3	2.6250											
2 11/16	UELS314-211D1W3	2.6875	5.9055	3.626	2.6890	1.6142	0.098	0.079	1.344	2.281	0.406	1/2-20UNF	
2 3/4	UELS314-212D1W3	2.7500											
75	UELS315D1W3	75	160	100	74.6	43	2.5	2	37.3	62.7	12.7	M16×1.5	
2 13/16	UELS315-213D1W3	2.8125											
2 7/8	UELS315-214D1W3	2.8750											
2 15/16	UELS315-215D1W3	2.9375	6.2992	3.937	2.9370	1.6929	0.098	0.079	1.469	2.469	0.500	5/8-18UNF	
3	UELS315-300D1W3	3.0000											
80	UELS316D1W3	80	170	106.4	81	45	2.5	2	40.5	65.9	12.7	M16×1.5	
3 1/16	UELS316-301D1W3	3.0625											
3 1/8	UELS316-302D1W3	3.1250	6.6929	4.189	3.1890	1.7717	0.098	0.079	1.594	2.594	0.500	5/8-18UNF	
3 3/16	UELS316-303D1W3	3.1875											
85	UELS317D1W3	85	180	109.5	84.1	47	3	2.5	42.05	67.45	12.7	M16×1.5	
3 1/4	UELS317-304D1W3	3.2500											
3 5/16	UELS317-305D1W3	3.3125	7.0866	4.311	3.3110	1.8504	0.118	0.098	1.656	2.656	0.500	5/8-18UNF	
3 7/16	UELS317-307D1W3	3.4375											
90	UELS318D1W3	90	190	115.9	87.3	49	3	2.5	43.65	72.25	14.3	M20×1.5	
3 7/16	UELS318-307D1W3	3.4375											
3 1/2	UELS318-308D1W3	3.5000	7.4803	4.563	3.4370	1.9291	0.118	0.098	1.719	2.844	0.563	3/4-16UNF	

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

Nominal dimensions			Basic load ratings		Mass
<i>d</i> ₃	<i>B</i> ₅	<i>F</i>	N lbf dynamic <i>C</i> _r	static <i>C</i> _{or}	kg lb
89	23.9	6.7	82 000	52 000	3.04
					7.01
3.504	0.941	0.264	18 400	11 700	6.86
					6.69
					6.40
97	27	7.5	92 500	60 000	3.79
3.819	1.063	0.295	20 800	13 400	8.76
					8.55
102	30.2	7.5	104 000	68 000	4.54
					10.7
4.016	1.189	0.295	23 400	15 300	10.5
					10.2
113	31.8	7.7	113 000	77 000	5.50
					13.5
4.449	1.252	0.303	25 500	17 400	13.2
					13.0
					12.9
119	31.8	7.8	123 000	86 500	6.89
					15.3
4.685	1.252	0.307	27 600	19 500	15.0
					15.3
127	31.8	8.2	133 000	97 000	8.21
					18.2
5.000	1.252	0.323	29 800	21 800	17.9
					17.2
133	36.5	8.5	143 000	107 000	9.34
					21.2
5.236	1.437	0.335	32 000	24 100	20.7

Ball bearings
Eccentric locking collar type



Shaft dia. mm inch	Bearing number	Nominal dimensions										
		<i>d</i>	<i>D</i>	<i>B</i> ₁	<i>B</i>	<i>C</i>	<i>r</i>	<i>r</i> ₁	<i>S</i>	<i>S</i> ₁	<i>G</i>	<i>d</i> _s
							mm min.	inch min.				
12 1/2	AELS201NW3 AELS201-008NW3	12 0.5000	40 1.5748	28.6 1.126	19 0.7480	12 0.4724	0.6 0.024	0.6 0.024	6.5 0.256	22.1 0.870	4.8 0.189	M6×0.75 1/4"-28UNF
15 9/16 5/8	AELS202NW3 AELS202-009NW3 AELS202-010NW3	15 0.5625 0.6250	40 1.5748	28.6 1.126	19 0.7480	12 0.4724	0.6 0.024	0.6 0.024	6.5 0.256	22.1 0.870	4.8 0.189	M6×0.75 1/4"-28UNF
17 11/16	AELS203NW3 AELS203-011NW3	17 0.6875	40 1.5748	28.6 1.126	19 0.7480	12 0.4724	0.6 0.024	0.6 0.024	6.5 0.256	22.1 0.870	4.8 0.189	M6×0.75 1/4"-28UNF
20 3/4	AELS204NW3 AELS204-012NW3	20 0.7500	47 1.8504	31 1.220	21.5 0.8465	14 0.5512	1 0.039	0.6 0.024	7.5 0.295	23.5 0.925	4.8 0.189	M6×0.75 1/4"-28UNF
25 13/16 7/8 15/16 1	AELS205NW3 AELS205-013NW3 AELS205-014NW3 AELS205-015NW3 AELS205-100NW3	25 0.8125 0.8750 0.9375 1.0000	52 2.0472	31 1.220	21.5 0.8465	15 0.5906	1 0.039	0.6 0.024	7.5 0.295	23.5 0.925	4.8 0.189	M6×0.75 1/4"-28UNF
30 1 1/16 1 1/8 1 3/16 1 1/4	AELS206NW3 AELS206-101NW3 AELS206-102NW3 AELS206-103NW3 AELS206-104NW3	30 1.0625 1.1250 1.1875 1.2500	62 2.4409	35.7 1.406	23.8 0.9370	16 0.6299	1 0.039	0.6 0.024	9 0.354	26.7 1.051	6 0.236	M8×1 5/16"-24UNF
35 1 1/4 1 5/16 1 3/8 1 7/16	AELS207NW3 AELS207-104NW3 AELS207-105NW3 AELS207-106NW3 AELS207-107NW3	35 1.2500 1.3125 1.3750 1.4375	72 2.8346	38.9 1.531	25.4 1.0000	17 0.6693	1.5 0.059	0.6 0.024	9.5 0.374	29.4 1.157	6.8 0.268	M10×1.25 3/8"-24UNF
40 1 1/2 1 9/16	AELS208NW3 AELS208-108NW3 AELS208-109NW3	40 1.5000 1.5625	80 3.1496	43.7 1.720	30.2 1.1890	18 0.7087	1.5 0.059	0.6 0.024	11 0.433	32.7 1.287	6.8 0.268	M10×1.25 3/8"-24UNF

Nominal dimensions					Basic load ratings		Mass
<i>d</i> ₃	<i>D</i> ₁	<i>a</i>	<i>b</i>	<i>B</i> ₅	N lbf dynamic <i>C</i> _r	static <i>C</i> _{or}	kg lb
mm inch							
29 1.142	38.1 1.500	1.98 0.078	1.5 0.059	13.6 0.535	9 600 2 160	4 600 1 030	0.12 0.26
29 1.142	38.1 1.500	1.98 0.078	1.5 0.059	13.6 0.535	9 600 2 160	4 600 1 030	0.11 0.26 0.24
29 1.142	38.1 1.500	1.98 0.078	1.5 0.059	13.6 0.535	9 600 2 160	4 600 1 030	0.10 0.23
33 1.299	44.6 1.756	2.38 0.094	1.5 0.059	13.5 0.531	12 800 2 890	6 650 1 500	0.17 0.35
38 1.496	49.73 1.958	2.38 0.094	1.5 0.059	13.5 0.531	14 000 3 150	7 850 1 770	0.20 0.51 0.48 0.45 0.42
44.5 1.752	59.61 2.347	3.18 0.125	2.05 0.081	15.9 0.626	19 500 4 400	11 300 2 540	0.31 0.74 0.73 0.66 0.61
55.5 2.185	68.81 2.709	3.18 0.125	2.05 0.081	17.5 0.689	25 700 5 750	15 300 3 450	0.49 1.15 1.10 1.04 0.98
60 2.362	76.81 3.024	3.18 0.125	2.05 0.081	18.3 0.720	29 100 6 550	17 800 4 000	0.66 1.41 1.34

Ball bearings
Eccentric locking collar type



Shaft dia. mm inch	Bearing number	Nominal dimensions										
		<i>d</i>	<i>D</i>	<i>B</i> ₁	<i>B</i>	<i>C</i>	mm inch		<i>S</i>	<i>S</i> ₁	<i>G</i>	<i>d</i> _s
							<i>r</i> min.	<i>r</i> ₁ min.				
12 1/2	JELS201W3 JELS201-008W3	12 0.5000	40 1.5748	28.6 1.126	19 0.7480	13 0.5118	0.6 0.024	0.4 0.016	6.5 0.256	22.1 0.870	4.8 0.189	M6×0.75 1/4"-28UNF
15 9/16 5/8	JELS202W3 JELS202-009W3 JELS202-010W3	15 0.5625 0.6250	40 1.5748	28.6 1.126	19 0.7480	13 0.5118	0.6 0.024	0.4 0.016	6.5 0.256	22.1 0.870	4.8 0.189	M6×0.75 1/4"-28UNF
17 11/16	JELS203W3 JELS203-011W3	17 0.6875	40 1.5748	28.6 1.126	19 0.7480	13 0.5118	0.6 0.024	0.4 0.016	6.5 0.256	22.1 0.870	4.8 0.189	M6×0.75 1/4"-28UNF
20 3/4	JELS204W3 JELS204-012W3	20 0.7500	47 1.8504	31 1.220	21.5 0.8465	15 0.5906	1 0.039	0.6 0.024	7.5 0.295	23.5 0.925	4.8 0.189	M6×0.75 1/4"-28UNF
25 13/16 7/8 15/16 1	JELS205W3 JELS205-013W3 JELS205-014W3 JELS205-015W3 JELS205-100W3	25 0.8125 0.8750 0.9375 1.0000	52 2.0472	31 1.220	21.5 0.8465	15 0.5906	1 0.039	0.6 0.024	7.5 0.295	23.5 0.925	4.8 0.189	M6×0.75 1/4"-28UNF
30 1 1/16 1 1/8 1 3/16 1 1/4	JELS206W3 JELS206-101W3 JELS206-102W3 JELS206-103W3 JELS206-104W3	30 1.0625 1.1250 1.1875 1.2500	62 2.4409	35.7 1.406	23.8 0.9370	18 0.7087	1 0.039	1 0.039	9 0.354	26.7 1.051	6 0.236	M8×1 5/16"-24UNF
35 1 1/4 1 5/16 1 3/8 1 7/16	JELS207W3 JELS207-104W3 JELS207-105W3 JELS207-106W3 JELS207-107W3	35 1.2500 1.3125 1.3750 1.4375	72 2.8346	38.9 1.531	25.4 1.0000	19 0.7480	1.5 0.059	1.5 0.059	9.5 0.374	29.4 1.157	6.8 0.268	M10×1.25 3/8"-24UNF
40 1 1/2 1 9/16	JELS208W3 JELS208-108W3 JELS208-109W3	40 1.5000 1.5625	80 3.1496	43.7 1.720	30.2 1.1890	22 0.8661	1.5 0.059	1.5 0.059	11 0.433	32.7 1.287	6.8 0.268	M10×1.25 3/8"-24UNF

Nominal dimensions mm inch		Basic load ratings		Mass
<i>d</i> ₃	<i>B</i> ₅	N lbf dynamic <i>C</i> _r	static <i>C</i> _{or}	kg lb
29 1.142	13.6 0.535	9 600 2 160	4 600 1 030	0.13 0.26
29 1.142	13.6 0.535	9 600 2 160	4 600 1 030	0.13 0.26 0.24
29 1.142	13.6 0.535	9 600 2 160	4 600 1 030	0.10 0.22
33 1.299	13.5 0.531	12 800 2 890	6 650 1 500	0.18 0.42
38 1.496	13.5 0.531	14 000 3 150	7 850 1 770	0.20 0.54 0.51 0.48 0.44
44.5 1.752	15.9 0.626	19 500 4 400	11 300 2 540	0.34 0.84 0.79 0.75 0.70
55.5 2.185	17.5 0.689	25 700 5 750	15 300 3 450	0.53 1.29 1.24 1.18 1.12
60 2.362	18.3 0.720	29 100 6 550	17 800 4 000	0.71 1.64 1.57

Ball bearings



Shaft dia. mm	Bearing number	Nominal dimensions				Basic load ratings		Mass kg lb
		<i>d</i>	<i>D</i> mm inch	<i>B</i> ₄	<i>r</i> min.	dynamic <i>C</i> _r N lbf	static <i>C</i> _{or}	
10	CS200LLU	10 0.3937	30 1.1811	9 0.3543	0.6 0.024	5 100 1 150	2 390 540	0.03 0.07
12	CS201LLU	12 0.4724	32 1.2598	10 0.3937	0.6 0.024	6 100 1 370	2 750 615	0.04 0.09
15	CS202LLU	15 0.5906	35 1.3780	11 0.4331	0.6 0.024	7 750 1 740	3 600 805	0.04 0.09
17	CS203LLU	17 0.6693	40 1.5748	12 0.4724	0.6 0.024	9 600 2 160	4 600 1 030	0.06 0.13
20	CS204LLU	20 0.7874	47 1.8504	14 0.5512	1 0.039	12 800 2 890	6 650 1 500	0.10 0.22
25	CS205LLU	25 0.9843	52 2.0472	15 0.5906	1 0.039	14 000 3 150	7 850 1 770	0.13 0.29
30	CS206LLU	30 1.1811	62 2.4409	16 0.6299	1 0.039	19 500 4 400	11 300 2 540	0.20 0.44
35	CS207LLU	35 1.3780	72 2.8346	17 0.6693	1.5 0.059	25 700 5 750	15 300 3 450	0.29 0.64
40	CS208LLU	40 1.5748	80 3.1496	18 0.7087	1.5 0.059	29 100 6 550	17 800 4 000	0.37 0.82

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