

















NTN®






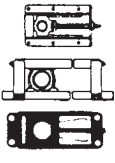
Bearing Units



CAT. NO. 2400-XI/E

Dimension Table

HOUSING			Page		Page		Page		Page		Page		Page		
BEARING															
Set screw type		UC2 F-UC2	414 430	UCP2 UCPL2 UCPG2 F-UCPM2 F-UCPR2 UCIP2 UCIPG2 UCPE2	62 80 84 88 90 92 98 110	UCHP2	100			UCF2	120	UCFC2	150	UCFL2 UCFLG2 F-UCFM2 F-UCFLR2 UCFE2	164 178 182 184 198
		UC3	420	UCP3 UCPG3 UCIP3 UCIPG3	68 86 94 98					UCF3 UCFG3 UCFS3 UCFSG3	126 140 142 148			UCFL3 UCFLG3	170 180
		UCX	426	UCPX	74					UCFX	132	UCFCX	156	UCFLX	176
		AS2	432	ASPL2 ASPB2	112 108		ASPP2 ASRPP2	116 118						ASFB2 ASFD2	194 196
Eccentric locking collar type		UEL2	440	UEL2 UELPL2	242 252	UELHP2 UELUP2	256 258			UELFU2 UELF2	274 278	UELFC2	294	UELFLU2 UELFL2	298 302
		UEL3	444	UEL3	246					UELF3 UELFS3	282 288			UELFL3	306
		AEL2 JEL2	450 454	AELPL2 JELPL2 AELPB2	260 264 268		AELPP2 AELRPP2	270 272						AELFD2 AELFB2 JELFD2	314 312 315
		UK2	462	UKP2	346					UKF2	358	UKFC2	374	UKFL2	382
Adapter type		UK3	466	UKP3	350					UKF3 UKFS3	362 370			UKFL3	386
		UKX	470	UKPX	354					UKFX	366	UKFCX	378	UKFLX	390
	Other bearings				AR2	436	REL2	458	UCS2	474	UCS3	478	ASS2	484	

	Page		Page		Page		Page		Page		Page
UCFA2	186			UCHB2	208	UCT2	212	UCC2	234	UCT2	408
UCFH2	190					UCTG2	230			UCL2	410
						UCT3	218			UCM2	411
						UCTG3	232			UCM3	412
						UCTX	224	UCCX	239		
		ASPF2	200							ASPT2	241
		ASRPF2	202								
		ASPFL2	204								
		ASRPFL2	206								
						UELT2	328	UELC2	338		
						UELT3	332	UELC3	340		
		AELPF2	316							AELPT2	344
		AELRPF2	320								
		AELPFL2	322								
		AELRPFL2	324								
		JELPF2	318							JELPT2	345
		JELPFL2	326								
						UKT2	392	UKC2	404		
						UKT3	396	UKC3	405		
						UKTX	400	UKCX	407		
UELS2	488	UELS3	492	AELS2	498	JELS2	502	CS2	506	Farm implement bearings	508
								CS3	507		

Technical
Data

Set screw type


























Eccentric locking
collar type

Adapter type

Ball bearings










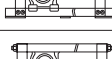

Set screw type (1)

Page

Pillow blocks	Pillow blocks cast housing		UCP2 62 UCP3 68 UCPX 74	
	Pillow blocks cast housing low center height		UCPL2 80 ASPL2 112	
	Pillow blocks (Steel series)		UCPG2 84 UCPG3 86	
	Pillow blocks (Stainless series)		F-UCPM2 88	
	Pillow blocks (Plastic housing series)		F-UCPR2 90	
	Thick pillow blocks cast housing		UCIP2 92 UCIP3 94	
	Thick pillow blocks (Steel series)		UCIPG2, 3 98	
	Pillow blocks cast housing high center height		UCHP2 100	
	Narrow pillow blocks cast housing		UCUP2 104	
	Light pillow blocks cast housing		ASPB2 108	
	Pillow blocks ductile cast housing		UCPE2 110	
	Pillow blocks pressed steel housing		ASPP2 116 ASRPP2 118	
	Flanged units	Square flanged units cast housing		UCF2 120 UCF3 126 UCFX 132
		Square flanged units (Steel series)		UCFG2 138 UCFG3 140
		Square flanged units cast housing w/ spigot joint		UCFS3 142
Square flanged units w/ spigot joint (Steel series)			UCFSG3 148	
Round flanged units cast housing w/ spigot joint			UCFC2 150 UCFCX 156	
Round flanged units w/ spigot joint (Steel series)			UCFCG2 162	
Rhombus flanged units cast housing			UCFL2 164 UCFL3 170 UCFLX 176	
Rhombus flanged units (Steel series)			UCFLG2 178 UCFLG3 180	
Rhombus flanged units (Stainless series)			F-UCFM2 182	
Rhombus flanged units (Plastic housing series)			F-UCFLR2 184	
Modified rhombus flanged units cast housing			UCFA2 186	
Modified flanged units cast housing			UCFH2 190	
Light rhombus flanged units cast housing			ASFB2 194 ASFD2 196	












Set screw type (2)

Page

Flanged units	Rhombus flanged units ductile cast housing		UCFE2 198
	Round flanged units pressed steel housing		ASPF2 200 ASRPF2 202
	Rhombus flanged units pressed steel housing		ASPF2 204 ASRPF2 206
Hanger units	Hanger units cast housing		UCHB2 208
Take-up units	Take-up units cast housing		UCT2 212 UCT3 218 UCTX 224
	Take-up units (Steel series)		UCTG2 230 UCTG3 232
Cartridge units	Cartridge units cast housing		UCC2 234 UCC3 236 UCCX 239
Stretcher units	Mini stretcher units		ASPT2 241
	Take-up stretcher units		UCT2 408
	Type L stretcher units		UCL2 410
	Type M stretcher units		UCM2 411 UCM3 412






Eccentric locking collar type (1)

Page

Pillow blocks	Pillow blocks cast housing		UELPP2 242 UELPP3 246	
	Pillow blocks cast housing low center height		UELPL2 252 AELPL2 260 JELPL2 264	
	Pillow blocks cast housing high center height		UELHP2 256	
	Narrow pillow blocks cast housing		UELUP2 258	
	Light pillow blocks cast housing		AELPB2 268	
	Pillow blocks pressed steel housing		AELPP2 270 AELRPP2 272	
	Flanged units	Square flanged units cast housing		UELFU2 274 UELF2 278 UELF3 282
		Square flanged units cast housing w/ spigot joint		UELFS3 288
Round flanged units cast housing w/ spigot joint			UELFC2 294	
Rhombus flanged units cast housing			UELFU2 298 UELFL2 302 UELFL3 306	
Light rhombus flanged units cast housing			AELFB2 312 AELFD2 314 JELFD2 315	








Eccentric locking collar type (2)

Page

Flanged units	Round flanged units pressed steel housing		AELPF2 316 JELPF2 318 AELRPF2 320
	Rhombus flanged units pressed steel housing		AELPFL2 322 AELRPFL2 324 JELPFL2 326
	Take-up units	Take-up units cast housing	
Cartridge units	Cartridge units cast housing		UEL2 338 UEL3 340
Stretcher units	Mini stretcher units		AELPT2 344 JELPT2 345






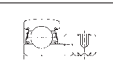
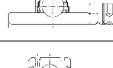
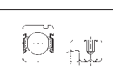


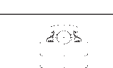
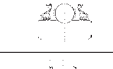





Adapter type

Page

Pillow blocks	Pillow blocks cast housing		UKP2 346 UKP3 350 UKPX 354
Flanged units	Square flanged units cast housing		UKF2 358 UKF3 362 UKFX 366
	Square flanged units cast housing w/ spigot joint		UKFS3 370
	Round flanged units cast housing w/ spigot joint		UKFC2 374 UKFCX 378
	Rhombus flanged units cast housing		UKFL2 382 UKFL3 386 UKFLX 390
	Take-up units	Take-up units cast housing	
Cartridge units	Cartridge units cast housing		UKC2 404 UKC3 405 UKCX 407

Ball bearings

Page

Set screw type		UC2 414 UC3 420 UCX 426 F-UC2 430
		AS2 432
		AR2 436
		UCS2 474 UCS3 478
		ASS2 484
Eccentric locking collar type		UEL2 440 UEL3 444
		AEL2 450
		JEL2 454
		REL2 458
		UELS2 488 UELS3 492
		AELS2 498
		JELS2 502
Adapter type		UK2 462 UK3 466 UKX 470
Tight fit type		CS2 506 CS3 507
Farm implement bearings		AS (Square bore) 508
		AC (Round bore) 516
		AH (Hex-bore) 522

Bearings with solid grease

(For food machinery)



Overview

“Solid grease” is a lubricant essentially composed of lubricating grease and ultra-high polymer polyethylene. Solid grease has the same viscosity as ordinary grease at normal temperature, but as a result of a special heat treatment process, this grease solidifies retaining a large proportion of the lubricant in it. Thanks to this solidification, the grease does not easily leak from the bearing, even when the bearing is subjected to strong vibrations or centrifugal force, helping to extend bearing life.

Table 1 Major components in solid greases

Solid grease (code)	Resin	Lubricant	Operating temperature range (°C)
General-purpose solid grease (LP03)	Ultra-high polymer polyethylene ①	Li-mineral oil grease	-20 ~ +80 (Constant use:+60 and less)
Food-grade solid grease (LP09)	Ultra-high polymer polyethylene ①	Ultra-high polymer polyethylene ②	-10 ~ +100 (Constant use:+80 and less)

① Conforms to FDA standard.

② Conforms to H-1 standard of NSF.

Features

1. Reduced lubricant leakage

Because the base oil is retained in a solid mixture, it is less likely to leak out of the bearing. During operation, temperature rise and/or centrifugal force will cause a gradual release of the base oil into the raceway groove. Eliminating grease leakage from the bearing ensures a consistent supply of lubricant and prevents contamination of the surrounding environment.

2. Superior lubrication

Bearings with solid grease resist grease leakage prolonging bearing life in applications where high centrifugal force or vibration are present. The solid lubricant does not emulsify when exposed to water also extending both grease and bearing life.

3. Low torque characteristics

The running torque of spot-pack bearings with solid grease is lower than that of bearings using standard lubricants. With conventional greases, a shearing resistance is created as the grease is channeled out of the raceway groove. Spot-pack bearings with solid grease do not experience shear resistance resulting in a lower running torque.

4. Sealing effect

Though solid grease protects a bearing against ingress of foreign matters (water, dust, etc.), it is not a sufficient means as a sealing device. Therefore, for applications that need reliable sealing performance, we recommend the use of contact type rubber seals (deep groove ball bearings, bearing units) or other seals (other bearing types).



Bearings with solid grease for food machinery

Bearing units stainless series

(Stainless bearings + Stainless steel housing)



Guards against corrosion

NTN bearing units in the stainless series feature ball bearings inserted into housings made of stainless that provide superior resistance to corrosion as compared to standard series cast iron units. This series is especially useful in a wide variety of applications because of the rust free properties of the housing.

Please refer to **Table 2** for materials of stainless series.

Maintains a clean operating environment

The solid grease lubricant in the ball bearing, solely developed by NTN, reduces leakage from the bearing, significantly reducing environmental pollution.

Also this grease will not homogenize when water penetrates into the bearing raceway.

Note) It is not the bearing for clean room

Table 2 Materials

Parts		Materials
Bearing	Raceways	Martensite stainless steel (equivalent to SUS440C)
	Rolling element	Martensite stainless steel (SUS440C)
	Slinger, Retainer	Austenite stainless steel (SUS304)
	Rubber seal	Nitril rubber
	Set screw (W shape screw head)	Martensite stainless steel (SUS410)
Bearing housing		Austenite stainless steel casting (SCS13)
Cover		Austenite stainless steel (SUS304)

Note) Please refer to P14~P15 for the physical property for each material

Bearings with food solid grease for food machinery

The bearings with solid grease type P-09 boasts a high degree of safety because its heat-solidifying grease for food machinery is composed of food-grade lubricating grease that complies with the NSF's H-1 standard (permitting accidental contact with food) and super molecular weight polyethylene approved according to an FDA (US Food and Drug Administration) standard.

Interchangeability

The basic dimensions are the same as current NTN units and are also compatible with units from other manufacturers ISO standard.

The dimension tables for this series are shown on following pages. Pillow types are shown on page 88-89, Rhombus flange types are shown on page 182-183, The bearings are shown on page 430-431. There are specifications of the grease for food machinery and for heat-resistance in the stainless series bearing unit. Please consult NTN about the details.

Bearing units plastic housing series

(Stainless bearings + Glass fiber reinforced plastic housing)



Guards against corrosion

NTN bearing units in the plastic series feature ball bearings inserted into housings made of plastics that provide superior resistance to corrosion as compared to standard series cast iron units. This series is especially useful in a wide variety of applications because of the nonmagnetic and rust free properties of the housing.

Please refer to **Table 3** for materials of plastic series.

Maintains a clean operating environment

The solid grease lubricant in the ball bearing, solely developed by NTN, reduces leakage from the bearing, significantly reducing environmental pollution. Also, the housing will not stain, nor is there paint to peel and contaminate the environment.

Note) It is not the bearing for clean room

Table 3 Materials

Parts		Materials
Bearing	Raceways	Martensite stainless steel (equivalent to SUS440C)
	Rolling element	Martensite stainless steel (SUS440C)
	Slinger, Retainer	Austenite stainless steel (SUS304)
	Rubber seal	Nitryl rubber
	Set screw (W shape screw head)	Martensite stainless steel (SUS410)
Bearing housing	Housing	Glass reinforced Polyester
	Sleeve for set bolt	Austenite stainless steel (SUS 304)
	Nut for grease fitting	Austenite stainless steel (SUS 304)
Cover		Polypropylene
Plug		Polyethylene

Note) Please refer to P14~P15 for the physical property for each material

Light weight

Weight is reduced more than 30% to 60% over standard series units.

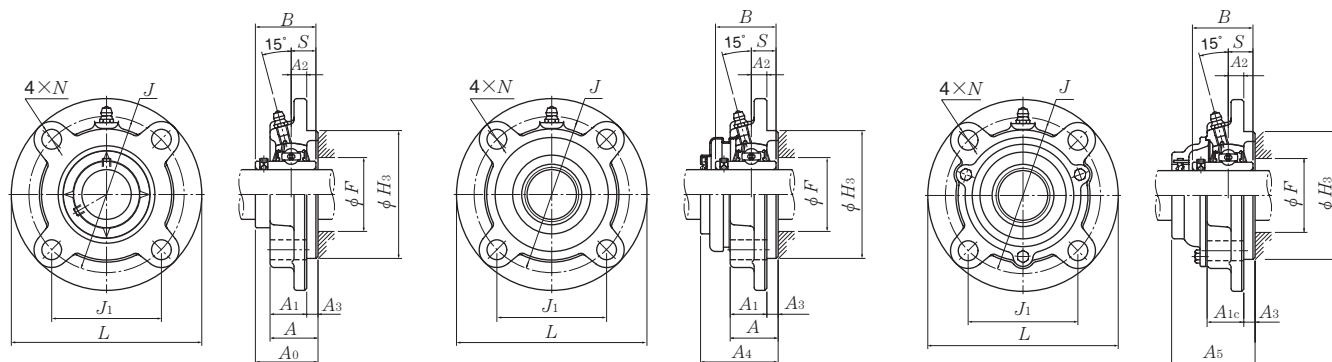
Water resistant

The glass filled polyester housing not only reduces corrosion but offers better water resistance.

The dimension tables for this series are shown on following pages. Pillow types are shown on page 90-91. Rhombus flange types are shown on page 184-185. The bearings are shown on page 430-431. There are specifications of the grease for food machinery and for heat-resistance in the stainless series bearing unit. Please consult NTN about the details.

Note) Over tightening the setting bolt may deform the plastic housing. Use the tightening torque guideline listed in **Table 11.1(2)** (P51).

Round flanged units cast housing w/ spigot joint
Set screw type

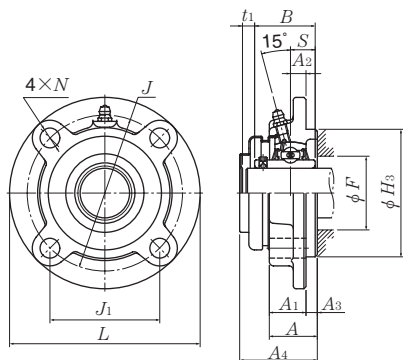


Press steel dust cover type (Open end)
S-UCFC...D1

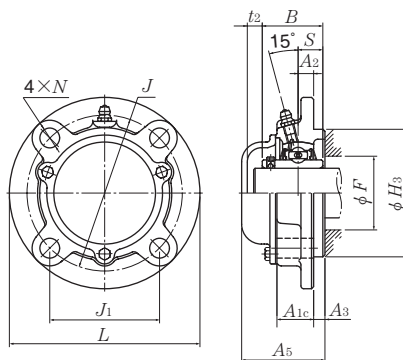
Cast dust cover type (Open end)
C-UCFC...D1

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 _{1C}	A	H ₃	A ₀	B	S	F min	
12 1/2	UCFC201D1	100	78	55.2	10	12	5	20.5	20.5	25.5	62	33.3	31	12.7	—	M10
	UCFC201-008D1	3 ¹⁵ / ₁₆	3 ⁵ / ₆₄	2 ¹¹ / ₆₄	25 ⁵ / ₆₄	15 ¹ / ₃₂	13 ¹ / ₆₄	13 ¹ / ₁₆	13 ¹ / ₁₆	1	2.4409	1 ¹⁵ / ₁₆	1.2205	0.500	—	3/8
15 9/16 5/8	UCFC202D1	100	78	55.2	10	12	5	20.5	20.5	25.5	62	33.3	31	12.7	—	M10
	UCFC202-009D1	3 ¹⁵ / ₁₆	3 ⁵ / ₆₄	2 ¹¹ / ₆₄	25 ⁵ / ₆₄	15 ¹ / ₃₂	13 ¹ / ₆₄	13 ¹ / ₁₆	13 ¹ / ₁₆	1	2.4409	1 ⁵ / ₁₆	1.2205	0.500	—	3/8
	UCFC202-010D1	3 ¹⁵ / ₁₆	3 ⁵ / ₆₄	2 ¹¹ / ₆₄	25 ⁵ / ₆₄	15 ¹ / ₃₂	13 ¹ / ₆₄	13 ¹ / ₁₆	13 ¹ / ₁₆	1	2.4409	1 ⁵ / ₁₆	1.2205	0.500	—	3/8
17 1 1/16	UCFC203D1	100	78	55.2	10	12	5	20.5	20.5	25.5	62	33.3	31	12.7	—	M10
	UCFC203-011D1	3 ¹⁵ / ₁₆	3 ⁵ / ₆₄	2 ¹¹ / ₆₄	25 ⁵ / ₆₄	15 ¹ / ₃₂	13 ¹ / ₆₄	13 ¹ / ₁₆	13 ¹ / ₁₆	1	2.4409	1 ⁵ / ₁₆	1.2205	0.500	—	3/8
20 3/4	UCFC204D1	100	78	55.2	10	12	5	20.5	20.5	25.5	62	33.3	31	12.7	—	M10
	UCFC204-012D1	3 ¹⁵ / ₁₆	3 ⁵ / ₆₄	2 ¹¹ / ₆₄	25 ⁵ / ₆₄	15 ¹ / ₃₂	13 ¹ / ₆₄	13 ¹ / ₁₆	13 ¹ / ₁₆	1	2.4409	1 ⁵ / ₁₆	1.2205	0.500	—	3/8
25 13/16 7/8 15/16 1	UCFC205D1	115	90	63.6	10	12	6	21	22	27	70	35.8	34.1	14.3	—	M10
	UCFC205-013D1															
	UCFC205-014D1	4 ¹⁷ / ₃₂	3 ³⁵ / ₆₄	2 ¹ / ₂	25 ⁵ / ₆₄	15 ¹ / ₃₂	15 ¹ / ₆₄	13 ¹ / ₁₆	7/8	1 ¹ / ₁₆	2.7559	1 ¹³ / ₃₂	1.3425	0.563	—	3/8
	UCFC205-015D1															
30 1 1/16 1 1/8 1 3/16 1 1/4	UCFC206D1	125	100	70.7	10	12	8	23	24.5	31	80	40.2	38.1	15.9	—	M10
	UCFC206-101D1															
	UCFC206-102D1	4 ²⁹ / ₃₂	3 ¹⁵ / ₁₆	2 ²⁵ / ₃₂	25 ⁵ / ₆₄	15 ¹ / ₃₂	5/16	29 ¹ / ₃₂	3 ¹ / ₃₂	1 ⁷ / ₃₂	3.1496	1 ³⁷ / ₆₄	1.5000	0.629	—	3/8
	UCFC206-103D1															
35 1 1/4 1 5/16 1 3/8 1 7/16	UCFC207D1	135	110	77.8	11	14	8	26	26	34	90	44.4	42.9	17.5	—	M12
	UCFC207-104D1															
	UCFC207-105D1	5 ⁵ / ₁₆	4 ²¹ / ₆₄	3 ¹ / ₁₆	7/16	35 ⁵ / ₆₄	5/16	1 ¹ / ₃₂	1 ¹ / ₃₂	1 ¹¹ / ₃₂	3.5433	1 ³ / ₄	1.6890	0.689	—	7/16
	UCFC207-106D1															
40 1 1/2 1 9/16	UCFC208D1	145	120	84.9	11	14	10	26	27.5	36	100	51.2	49.2	19	—	M12
	UCFC208-108D1	5 ²³ / ₃₂	4 ²³ / ₃₂	3 ¹¹ / ₃₂	7/16	35 ⁵ / ₆₄	25 ⁵ / ₆₄	1 ¹ / ₃₂	1 ⁵ / ₆₄	1 ²⁷ / ₆₄	3.9370	2 ¹ / ₆₄	1.9370	0.748	—	7/16
	UCFC208-109D1															
45 1 5/8 1 11/16 1 3/4	UCFC209D1	160	132	93.3	10	16	12	26	28	38	105	52.2	49.2	19	—	M14
	UCFC209-110D1															
	UCFC209-111D1	6 ⁵ / ₁₆	5 ¹³ / ₆₄	3 ⁴³ / ₆₄	25 ⁵ / ₆₄	5/8	15 ¹ / ₃₂	1 ¹ / ₃₂	1 ⁷ / ₆₄	1 ¹ / ₂	4.1339	2 ³ / ₆₄	1.9370	0.748	—	1/2
UCFC209-112D1																

Remarks: 1) These numbers indicate relubricatable type. If maintenance free type is needed, please order without suffix "D1".
Note: Please refer to page 44 for size of grease fitting.



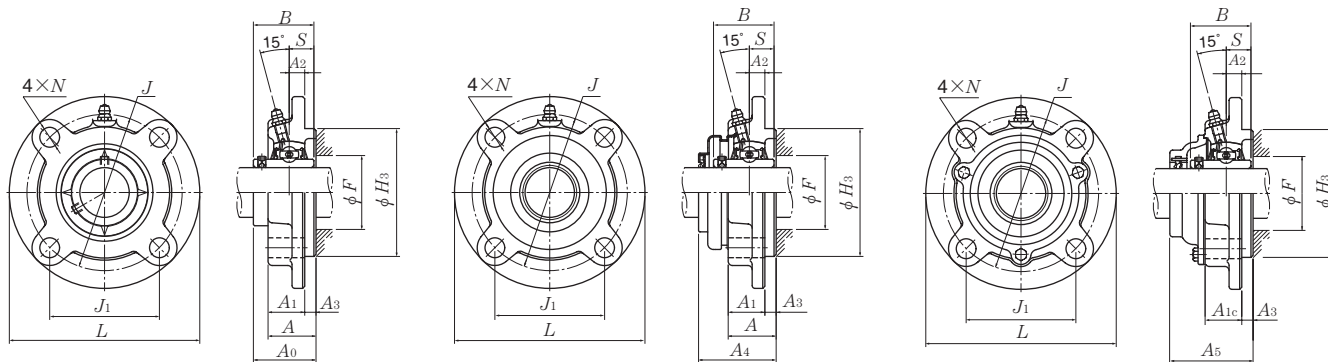
Press steel dust cover type (Close end)
SM-UCFC...D1



Cast dust cover type (Close end)
CM-UCFC...D1

Bearing number	Housing number ¹⁾	Unit number pressed ¹⁾ steel dust cover type	Unit number ¹⁾ cast dust cover type	Nominal dimensions				Mass (approx.)		
				mm		inch		kg		
				t ₁	t ₂	A ₄	A ₅	UCFC	S(SM)	C(CM)
UC201D1	FC204D1	S(SM)-UCFC201D1	C(CM)-UCFC201D1	5	8	40.5	46	0.8	0.8	0.9
UC201-008D1	FC204D1	S(SM)-UCFC201-008D1	S(SM)-UCFC201-008D1	13/64	5/16	1 19/32	1 13/16	1.8	1.8	2.0
UC202D1	FC204D1	S(SM)-UCFC202D1	C(CM)-UCFC202D1	5	8	40.5	46	0.8	0.8	0.9
UC202-009D1	FC204D1	S(SM)-UCFC202-009D1	C(CM)-UCFC202-009D1	13/64	5/16	1 19/32	1 13/16	1.8	1.8	2.0
UC202-010D1	FC204D1	S(SM)-UCFC202-010D1	C(CM)-UCFC202-010D1	13/64	5/16	1 19/32	1 13/16	1.8	1.8	2.0
UC203D1	FC204D1	S(SM)-UCFC203D1	C(CM)-UCFC203D1	5	8	40.5	46	0.8	0.8	0.9
UC203-011D1	FC204D1	S(SM)-UCFC203-011D1	C(CM)-UCFC203-011D1	13/64	5/16	1 19/32	1 13/16	1.8	1.8	2.0
UC204D1	FC204D1	S(SM)-UCFC204D1	C(CM)-UCFC204D1	5	8	40.5	46	0.7	0.7	0.9
UC204-012D1	FC204D1	S(SM)-UCFC204-012D1	C(CM)-UCFC204-012D1	13/64	5/16	1 19/32	1 13/16	1.5	1.5	2.0
UC205D1	FC205D1	S(SM)-UCFC205D1	C(CM)-UCFC205D1	7	11	44.5	51	1.0	1.0	1.2
UC205-013D1	FC205D1	S(SM)-UCFC205-013D1	C(CM)-UCFC205-013D1	9/32	7/16	1 3/4	2	2.2	2.2	2.7
UC205-014D1	FC205D1	S(SM)-UCFC205-014D1	C(CM)-UCFC205-014D1	9/32	7/16	1 3/4	2	2.2	2.2	2.7
UC205-015D1	FC205D1	S(SM)-UCFC205-015D1	C(CM)-UCFC205-015D1	9/32	7/16	1 3/4	2	2.2	2.2	2.7
UC205-100D1	FC205D1	S(SM)-UCFC205-100D1	C(CM)-UCFC205-100D1	9/32	7/16	1 3/4	2	2.2	2.2	2.7
UC206D1	FC206D1	S(SM)-UCFC206D1	C(CM)-UCFC206D1	7	11	49	56	1.3	1.4	1.6
UC206-101D1	FC206D1	S(SM)-UCFC206-101D1	C(CM)-UCFC206-101D1	9/32	7/16	1 59/64	2 13/64	2.9	3.1	3.5
UC206-102D1	FC206D1	S(SM)-UCFC206-102D1	C(CM)-UCFC206-102D1	9/32	7/16	1 59/64	2 13/64	2.9	3.1	3.5
UC206-103D1	FC206D1	S(SM)-UCFC206-103D1	C(CM)-UCFC206-103D1	9/32	7/16	1 59/64	2 13/64	2.9	3.1	3.5
UC206-104D1	FC206D1	S(SM)-UCFC206-104D1	C(CM)-UCFC206-104D1	9/32	7/16	1 59/64	2 13/64	2.9	3.1	3.5
UC207D1	FC207D1	S(SM)-UCFC207D1	C(CM)-UCFC207D1	8	10	55	59	1.6	1.7	1.9
UC207-104D1	FC207D1	S(SM)-UCFC207-104D1	C(CM)-UCFC207-104D1	5/16	25/64	2 11/64	2 21/64	3.5	3.7	4.2
UC207-105D1	FC207D1	S(SM)-UCFC207-105D1	C(CM)-UCFC207-105D1	5/16	25/64	2 11/64	2 21/64	3.5	3.7	4.2
UC207-106D1	FC207D1	S(SM)-UCFC207-106D1	C(CM)-UCFC207-106D1	5/16	25/64	2 11/64	2 21/64	3.5	3.7	4.2
UC207-107D1	FC207D1	S(SM)-UCFC207-107D1	C(CM)-UCFC207-107D1	5/16	25/64	2 11/64	2 21/64	3.5	3.7	4.2
UC208D1	FC208D1	S(SM)-UCFC208D1	C(CM)-UCFC208D1	8	9	62	66	2.0	2.1	2.4
UC208-108D1	FC208D1	S(SM)-UCFC208-108D1	C(CM)-UCFC208-108D1	5/16	23/64	2 7/16	2 19/32	4.4	4.6	5.3
UC208-109D1	FC208D1	S(SM)-UCFC208-109D1	C(CM)-UCFC208-109D1	5/16	23/64	2 7/16	2 19/32	4.4	4.6	5.3
UC209D1	FC209D1	S(SM)-UCFC209D1	C(CM)-UCFC209D1	8	12	63	70	2.7	2.7	3.2
UC209-110D1	FC209D1	S(SM)-UCFC209-110D1	C(CM)-UCFC209-110D1	5/16	15/32	2 31/64	2 3/4	6.0	6.0	7.1
UC209-111D1	FC209D1	S(SM)-UCFC209-111D1	C(CM)-UCFC209-111D1	5/16	15/32	2 31/64	2 3/4	6.0	6.0	7.1
UC209-112D1	FC209D1	S(SM)-UCFC209-112D1	C(CM)-UCFC209-112D1	5/16	15/32	2 31/64	2 3/4	6.0	6.0	7.1

Round flanged units cast housing w/ spigot joint
Set screw type

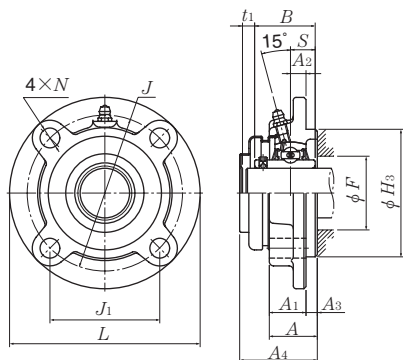


Press steel dust cover type (Open end)
S-UCFC...D1

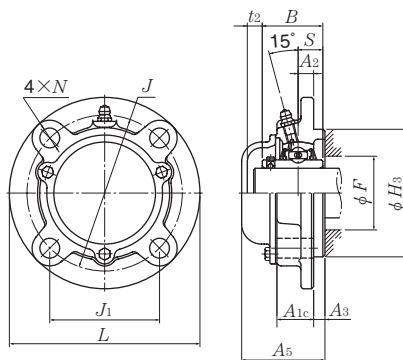
Cast dust cover type (Open end)
C-UCFC...D1

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 _{1c}	A	H ₃	A ₀	B	S	F min	
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	29	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	32.5	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	38	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	38	50	145	69.7	65.1	25.4	—	M16
70 2 5/8 2 11/16 2 3/4	UCFC214D1 UCFC214-210D1 UCFC214-211D1 UCFC214-212D1	215	177	125.2	17	19	14	40	39.5	54	150	75.4	74.6	30.2	94	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	43	56	160	78.5	77.8	33.3	100	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	43	58	170	83.3	82.6	33.3	105	M20

Remarks: 1) These numbers indicate relubricatable type. If maintenance free type is needed, please order without suffix "D1".
Note: Please refer to page 44 for size of grease fitting.



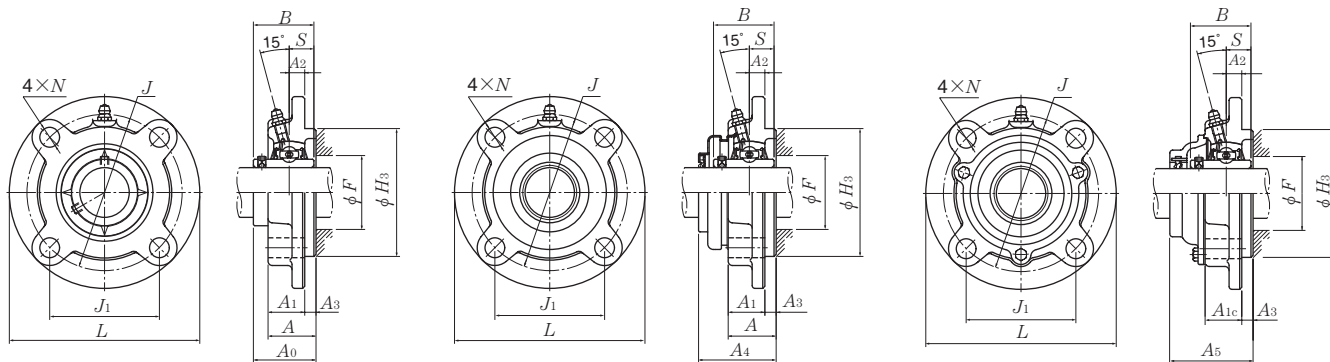
Press steel dust cover type (Close end)
SM-UCFC...D1



Cast dust cover type (Close end)
CM-UCFC...D1

Bearing number	Housing number ¹⁾	Unit number pressed ¹⁾ steel dust cover type	Unit number ¹⁾ cast dust cover type	Nominal dimensions				Mass (approx.)			
				mm		inch		kg			lb
				t ₁	t ₂	A ₄	A ₅	UCFC	S(SM)	C(CM)	
UC210D1	FC210D1	S(SM)-UCFC210D1	C(CM)-UCFC210D1	8	12	65.5	72	3.0	3.1	3.6	
UC210-113D1	FC210D1	S(SM)-UCFC210-113D1	C(CM)-UCFC210-113D1								
UC210-114D1	FC210D1	S(SM)-UCFC210-114D1	C(CM)-UCFC210-114D1	5/16	15/32	2 ³⁷ / ₆₄	2 ⁵³ / ₆₄	6.6	6.8	7.9	
UC210-115D1	FC210D1	S(SM)-UCFC210-115D1	C(CM)-UCFC210-115D1								
UC210-200D1	FC210D1	S(SM)-UCFC210-200D1	C(CM)-UCFC210-200D1								
UC211D1	FC211D1	S(SM)-UCFC211D1	C(CM)-UCFC211D1	10	11	71	75	4.1	4.2	4.8	
UC211-200D1	FC211D1	S(SM)-UCFC211-200D1	C(CM)-UCFC211-200D1								
UC211-201D1	FC211D1	S(SM)-UCFC211-201D1	C(CM)-UCFC211-201D1	2 ⁵ / ₆₄	7/16	2 ⁵¹ / ₆₄	2 ⁶¹ / ₆₄	9.0	9.3	11	
UC211-202D1	FC211D1	S(SM)-UCFC211-202D1	C(CM)-UCFC211-202D1								
UC211-203D1	FC211D1	S(SM)-UCFC211-203D1	C(CM)-UCFC211-203D1								
UC212D1	FC212D1	S(SM)-UCFC212D1	C(CM)-UCFC212D1	8	12	80	86	4.9	5.1	5.9	
UC212-204D1	FC212D1	S(SM)-UCFC212-204D1	C(CM)-UCFC212-204D1								
UC212-205D1	FC212D1	S(SM)-UCFC212-205D1	C(CM)-UCFC212-205D1	5/16	15/32	3 ⁵ / ₃₂	3 ²⁵ / ₆₄	11	11	13	
UC212-206D1	FC212D1	S(SM)-UCFC212-206D1	C(CM)-UCFC212-206D1								
UC212-207D1	FC212D1	S(SM)-UCFC212-207D1	C(CM)-UCFC212-207D1								
UC213D1	FC213D1	S(SM)-UCFC213D1	C(CM)-UCFC213D1	11	14	83.5	89.5	5.8	6.0	6.8	
UC213-208D1	FC213D1	S(SM)-UCFC213-208D1	C(CM)-UCFC213-208D1								
UC213-209D1	FC213D1	S(SM)-UCFC213-209D1	C(CM)-UCFC213-209D1	7/16	3 ⁵ / ₆₄	3 ⁹ / ₃₂	3 ¹⁷ / ₃₂	13	14	17	
UC214D1	FC214D1	—	C(CM)-UCFC214D1	—	16	—	98	7.0	—	8.0	
UC214-210D1	FC214D1	—	C(CM)-UCFC214-210D1	—	5/8	—	3 ⁵⁵ / ₆₄	15	—	18	
UC214-211D1	FC214D1	—	C(CM)-UCFC214-211D1	—	5/8	—	3 ⁵⁵ / ₆₄	15	—	18	
UC214-212D1	FC214D1	—	C(CM)-UCFC214-212D1	—	5/8	—	3 ⁵⁵ / ₆₄	15	—	18	
UC215D1	FC215D1	—	C(CM)-UCFC215D1	—	17	—	102	7.4	—	8.8	
UC215-213D1	FC215D1	—	C(CM)-UCFC215-213D1	—	17	—	102	7.4	—	8.8	
UC215-214D1	FC215D1	—	C(CM)-UCFC215-214D1	—	2 ¹ / ₃₂	—	4 ¹ / ₆₄	16	—	19	
UC215-215D1	FC215D1	—	C(CM)-UCFC215-215D1	—	2 ¹ / ₃₂	—	4 ¹ / ₆₄	16	—	19	
UC215-300D1	FC215D1	—	C(CM)-UCFC215-300D1	—	2 ¹ / ₃₂	—	4 ¹ / ₆₄	16	—	19	
UC216D1	FC216D1	—	C(CM)-UCFC216D1	—	16	—	106	9.1	—	10	
UC216-301D1	FC216D1	—	C(CM)-UCFC216-301D1	—	16	—	106	9.1	—	10	
UC216-302D1	FC216D1	—	C(CM)-UCFC216-302D1	—	5/8	—	4 ¹¹ / ₆₄	20	—	22	
UC216-303D1	FC216D1	—	C(CM)-UCFC216-303D1	—	5/8	—	4 ¹¹ / ₆₄	20	—	22	

Round flanged units cast housing w/ spigot joint
Set screw type

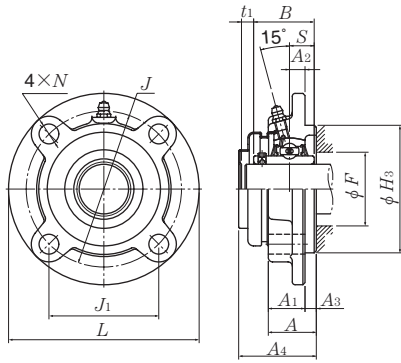


Press steel dust cover type (Open end)
S-UCFC...D1

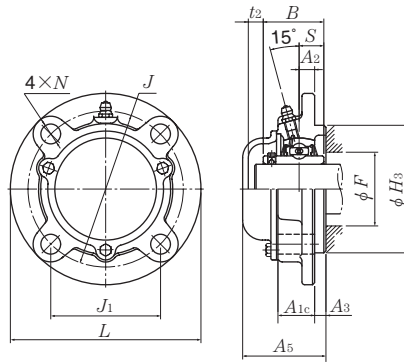
Cast dust cover type (Open end)
C-UCFC...D1

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 _{1C}	A	H ₃	A ₀	B	S	F min	
85 3 1/4	UCFC217D1	250	208	147.1	18	23	18	45	45.5	63	180	87.6	85.7	34.1	113	M20
3 5/16	UCFC217-304D1	9 27/32	8 3/16	5 51/64	45/64	29/32	45/64	1 25/32	1 51/64	2 31/64	7.0866	3 29/64	3.3740	1.343	4 7/16	3/4
3 7/16	UCFC217-305D1															
	UCFC217-307D1															
90 3 1/2	UCFC218D1	265	220	155.6	22	23	18	50	50	68	190	96.3	96	39.7	119	M20
	UCFC218-308D1	10 7/16	8 21/32	6 1/8	55/64	29/32	45/64	1 31/32	1 31/32	2 43/64	7.4803	3 51/64	3.7795	1.563	4 11/16	3/4

Remarks: 1) These numbers indicate relubricatable type. If maintenance free type is needed, please order without suffix "D1".
Note: Please refer to page 44 for size of grease fitting.



Press steel dust cover type (Close end)
SM-UCFC...D1



Cast dust cover type (Close end)
CM-UCFC...D1

Bearing number	Housing number ¹⁾	Unit number pressed ¹⁾ steel dust cover type	Unit number ¹⁾ cast dust cover type	Nominal dimensions				Mass (approx.)		
				mm		inch		kg		lb
				t ₁	t ₂	A ₄	A ₅	UCFC	S(SM)	C(CM)
UC217D1	FC217D1	—	C(CM)-UCFC217D1	—	20	—	114	11	—	12
UC217-304D1	FC217D1	—	C(CM)-UCFC217-304D1	—	25/32	—	4 31/64	24	—	26
UC217-305D1	FC217D1		C(CM)-UCFC217-305D1							
UC217-307D1	FC217D1		C(CM)-UCFC217-307D1							
UC218D1	FC218D1	—	C(CM)-UCFC218D1	—	19	—	122	13	—	15
UC218-308D1	FC218D1	—	C(CM)-UCFC218-308D1	—	3/4	—	4 51/64	29	—	33