

9. Compatibility table for part numbers of different manufacturers

9.1 Bearing unit

Type	Manufacturer	NTN	ASAHI·NACHI	NSK	FYH·KOYO
Pillow block type	Steel plate covered type	S-UCP2···D1	UCP2···C	ZUCP2···P	UCP2···C
		SM-UCP2···D1	UCP2···E	ZUCP2···PE	UCP2···CD
		S-UKP2···D1	UKP2···C	ZUKP2···P	UKP2···C
		SM-UKP2···D1	UKP2···E	ZUKP2···PE	UKP2···CD
	Cast iron covered type	C-UCP2···D1	CUCP2···C	CUCP2···C	UCP2···FC
		CM-UCP2···D1	CUCP2···CE	CUCP2···CE	UCP2···FCD
		C-UCP3···D1	CUCP3···C	CUCP3···C	UCP3···C
		CM-UCP3···D1	CUCP3···CE	CUCP3···CE	UCP3···CD
		C-UKP2···D1	CUKP2···C	CUKP2···C	UKP2···FC
		CM-UKP2···D1	CUKP2···CE	CUKP2···CE	UKP2···FCD
		C-UKP3···D1	CUKP3···C	CUKP3···C	UKP3···C
		CM-UKP3···D1	CUKP3···CE	CUKP3···CE	UKP3···CD
	High center type	UCHP2···D1	UCPH2	UCPH2	UCPH2
	Narrow type	UCUP2···D1	UCPA2	UCPA2	UCPA2
	Eccentric collar type	UELP2···D1	UGP2※	EWP2	NAP2
	Light cast iron type	ASPB2	BLLP	UBLP2	BLP2
		AELPB2		ENLP2	ALP2
		CSPB2			
	Steel plate type	ASPP2	BPP	UBPP2	SBPP2
		AELPP2		ENPP2	SAPP2
Steel plate type w/rubber	ASRPP2	BPR	UBPPR2		
	AELRPP2				

Item marked ※ differ from similar products in total ball bearing width.

Item marked ※ differ from similar covered bearing unit in total ball bearing width.

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Type	Manufacturer	NTN	ASAHI·NACHI	NSK	FYH·KOYO
Flange type	Square flange steel plate covered type	S-UCF2...D1	UCF2...C	ZUCF2...P	UCF2...C
		SM-UCF2...D1	UCF2...E	ZUCF2...PE	UCF2...D
		S-UKF2...D1	UKF2...C	ZUKF2...P	UKF2...C
		SM-UKF2...D1	UKF2...E	ZUKF2...PE	UKF2...D
	Square flange cast iron covered type	C-UCF2...D1	CUCF2...C	CUCF2...C	UCF2...FC
		CM-UCF2...D1	CUCF2...CE	CUCF2...CE	UCF2...FD
		C-UCF3...D1	CUCF3...C	CUCF3...C	UCF3...C
		CM-UCF3...D1	CUCF3...CE	CUCF3...CE	UCF3...D
		C-UKF2...D1	CUKF2...C	CUKF2...C	UKF2...FC
		CM-UKF2...D1	CUKF2...CE	CUKF2...CE	UKF2...FD
		C-UKF3...D1	CUKF3...C	CUKF3...C	UKF3...C
		CM-UKF3...D1	CUKF3...CE	CUKF3...CE	UKF3...D
	Square flange cast iron cover w/spigot joint type	C-UCFS3...D1	CUCFS3...C	CUCFS3...C	UCFS3...C
		CM-UCFS3...D1	CUCFS3...CE	CUCFS3...CE	UCFS3...D
		C-UKFS3...D1	CUKFS3...C	CUKFS3...C	UKFS3...C
		CM-UKFS3...D1	CUKFS3...CE	CUKFS3...CE	UKFS3...D
	Round flange steel plate w/spigot joint type	S-UCFC2...D1	UCFC2...C	ZUCFC2...P	UCFC2...C
		SM-UCFC2...D1	UCFC2...E	ZUCFC2...PE	UCFC2...D
		S-UKFC2...D1	UKFC2...C	ZUKFC2...P	UKFC2...C
		SM-UKFC2...D1	UKFC2...E	ZUKFC2...PE	UKFC2...D
Round flange cast iron cover w/spigot joint type	C-UCFC2...D1	CUCFC2...C	CUCFC2...C	UCFC2...FC	
	CM-UCFC2...D1	CUCFC2...CE	CUCFC2...CE	UCFC2...FD	
	C-UKFC2...D1	CUKFC2...C	CUKFC2...C	UKFC2...FC	
	CM-UKFC2...D1	CUKFC2...CE	CUKFC2...CE	UKFC2...FD	

Item marked ※ differ from similar covered bearing unit in total ball bearing width.

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Type	Manufacturer	NTN	ASAHI·NACHI	NSK	FYH·KOYO	
Flange type	Rhombus flange steel plate covered type	S-UCFL2...D1	UCFL2...C	ZUCFL2...P	UCFL2...C	
		SM-UCFL2...D1	UCFL2...E	ZUCFL2...PE	UCFL2...D	
		S-UKFL2...D1	UKFL2...C	ZUKFL2...P	UKFL2...C	
		SM-UKFL2...D1	UKFL2...E	ZUKFL2...PE	UKFL2...D	
	Rhombus flange cast iron covered type	C-UCFL2...D1	CUCFL2...C	CUCFL2...C	UCFL2...FC	
		CM-UCFL2...D1	CUCFL2...CE	CUCFL2...CE	UCFL2...FD	
		C-UCFL3...D1	CUCFL3...C	CUCFL3...C	UCFL3...C	
		CM-UCFL3...D1	CUCFL3...CE	CUCFL3...CE	UCFL3...D	
		C-UKFL2...D1	CUKFL2...C	CUKFL2...C	UKFL2...FC	
		CM-UKFL2...D1	CUKFL2...CE	CUKFL2...CE	UKFL2...FD	
		C-UKFL3...D1	CUKFL3...C	CUKFL3...C	UKFL3...C	
		CM-UKFL3...D1	CUKFL3...CE	CUKFL3...CE	UKFL3...D	
	Modified rhombus flange type	UCFA2...D1	UCFA2	UCFA2	UCFA2	
		UCFH2...D1	UCFK2	UCFK2	UCFB2	
	Modified flange type	Eccentric collar type	UELFB2...D1	UGF2 [※]	EWFB2	NAFB2
			UELFC2...D1		EWFC2	NAFC2
			UELFL2...D1	UGFL2 [※]	EWFL2	NAFL2
			UELFU2			NANF2
			UELFLU2			NANFL2
	Light cast iron type	ASFB2	BLFL	UBLF2	BLF2	
AELFB2			ENLF2	ALF2		
CSFB2						
Steel plate type	ASPF2	BPF	UBPF2	SBPF2		
	ASPFL2	BPFL	UBPFL2	SBPFL2		

Total width of ball bearings for bearing units marked ※ differs from that of similar NTN products.

Item marked ※ differ from similar covered bearing unit in total ball bearing width.

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Type		NTN	ASAHI·NACHI	NSK	FYH·KOYO	
Flange type	Steel plate type	AELPF2		ENPF2	SAPF2	
		AELPFL2		ENPFL2	SAPFL2	
Take-up type	Steel plate covered type	S-UCT2···D1	UCT2···C	ZUCT2···P	UCT2···C	
		SM-UCT2···D1	UCT2···E	ZUCT2···PE	UCT2···CD	
		S-UKT2···D1	UKT2···C	ZUKT2···P	UCT2···C	
		SM-UKT2···D1	UKT2···E	ZUKT2···PE	UKT2···CD	
	Cast iron covered type	C-UCT2···D1	CUCT2···C	CUCT2···C	UCT2···FC	
		CM-UCT2···D1	CUCT2···CE	CUCT2···CE	UCT2···FCD	
		C-UCT3···D1	CUCT3···C	CUCT3···C	UCT3···C	
		CM-UCT3···D1	CUCT3···CE	CUCT3···CE	UCT3···CD	
		C-UKT2···D1	CUKT2···C	CUKT2···C	UKT2···FC	
		CM-UKT2···D1	CUKT2···CE	CUKT2···CE	UKT2···FCD	
		C-UKT3···D1	CUKT3···C	CUKT3···C	UKT3···C	
		CM-UKT3···D1	CUKT3···CE	CUKT3···CE	UKT3···CD	
		Hanger type	UCHB2···D1	UCECH2	UCEH2	UCHA2
		Stretcher	w/steel frame	UCL2···D1	UCL2+WL	UCL2+WLA
UCM2···D1	UCTU2+WU			UCTU2+WUA	UCTU2	
UCM3···D1	UCTU3+WU			UCTU3+WUA	UCTU3	
UCT2···D1	UCT2+WB			UCT2+WB	UCTH2	
Steel plate mini type	ASPT2			UBTPU2	SBPTH2	
	AELPT2					

Item marked ※ differ from similar covered bearing unit in total ball bearing width.

9.2 Stainless Series bearing unit

NTN	FYH	ASAHI
F-UCPM204/LP03	UCP204HIS6	MUCP204
F-UCPM205/LP03	UCP205HIS6	MUCP205
F-UCPM206/LP03	UCP206HIS6	MUCP206
F-UCPM207/LP03	UCP207HIS6	MUCP207
F-UCPM208/LP03	UCP208HIS6	MUCP208
F-UCPM209/LP03	UCP209HIS6	MUCP209
F-UCPM210/LP03	UCP210HIS6	MUCP210
F-UCFM204/LP03	UCFL204HIS6	MUCFL204
F-UCFM205/LP03	UCFL205HIS6	MUCFL205
F-UCFM206/LP03	UCFL206HIS6	MUCFL206
F-UCFM207/LP03	UCFL207HIS6	MUCFL207
F-UCFM208/LP03	UCFL208HIS6	MUCFL208
F-UCFM209/LP03	UCFL209HIS6	MUCFL209
F-UCFM210/LP03	UCFL210HIS6	MUCFL210

Notes 1: Although NTN's Stainless Series bearing units are oilless type, lubricated bearing units are also available.

2: When considering use of food grade grease, add "/L596" suffix instead of "/LP03".

(Example: F-UCPM204/L596)

3: Bearing units from FYH and ASAHI are lubricated as standard.

9.3 Plastic Series bearing unit

NTN	FYH	ASAHI
F-UCPR204/LP03	UCVP204S6	No similar unit
F-UCPR205/LP03	UCVP205S6	//
F-UCPR206/LP03	UCVP206S6	//
F-UCPR207/LP03	UCVP207S6	//
F-UCPR208/LP03	UCVP208S6	//
F-UCFLR204/LP03	UCVFL204S6	No similar unit
F-UCFLR205/LP03	UCVFL205S6	//
F-UCFLR206/LP03	UCVFL206S6	//
F-UCFLR207/LP03	UCVFL207S6	//
F-UCFLR208/LP03	UCVFL208S6	//

Notes 1: Although NTN's standard Plastic Series bearings are oilless type, lubricated bearing units are also available. (Standard bearing housings are lubricated type.)

2: When considering use of food grade grease, add "/L596" suffix instead of "/LP03".

(Example: F-UCPM204/L596)

3: Bearing units from FYH are lubricated as standard.

9.4 Ball bearing

Type	Manufacturer	NTN	ASAHI·NACHI	NSK	FYH·KOYO
Spherical outer face		UC2···D1	UC2	UC2	UC2
		UK2···D1	UK2	UK2	UK2
		UEL2···D1	UG2··· +ER ^{※1}	EW2	NA2
		AS2	B	UB2	SB2
		AEL2		EN2	SA2
		CS2		CS2	SC2
Cylindrical outer face		UCS···D1	UR2 ^{※2}	UR2 ^{※2}	RB2 ^{※2} ^{※3}
		UKS2			
		UELS2			
		ASS2			
		AELS2			

Items marked ※1 differ from similar products in total width of ball bearing.

Items marked ※2 differ from similar products in the width of outer ring.

Items marked ※3 have no oil inlet.

9.5 Codes for special specifications, etc.

	NTN		ASAHI·NACHI		FYH·KOYO		NSK	
Bearing housing	N	Cast steel ※1 (production discontinued)	K		SC		K	
	N1	Ductile			H4			
	G	Gas cut SS400	MP		H5			
	E	Light ductile						
Seal	LLJ	Triple seal on both sides (low torque type)			L III	Triple seal		
	LLS	Triple seal on both sides (high torque type)						
Grease	Standard	Alvania Grease 3	D1	Alvania Grease3	D1	Gold No.3		
	Semi-heat resistant		HR4	Superlube No.3	D3K2	Superlube No.2		
	HT2	Toray Silicone SH44M	HR5	Superlube No.3	D1K2	Toray Silicone SH41	T3	
	CT1	Toray Silicone SH33L	CR2A	AeroShell Grease 7	D2K2	Toray Silicone SH33M	T1	
Lubrication type	D1	Lubricated type						
		Dry type	G00		E4		GOO	

※1 Steel Series products are available to supersede Cast Steel Series products.

9.6 Table of NTN and other manufacturers' similar bore code numbers of inch size bearings

Nominal shaft dia. inch	Bore dia. mm	Bore code No.		
		NTN	FYH · ASAHl	NSK
$\frac{1}{2}$	12.7	01-008	01- 8	01- 8S
$\frac{9}{16}$	14.288	02-009	—	02- 9S
$\frac{5}{8}$	15.875	02-010	02-10	02-10S
$\frac{11}{16}$	17.462	03-011	—	03-11S
$\frac{3}{4}$	19.05	04-012	04-12	04-12S
$\frac{13}{16}$	20.638	05-013	—	05-13S
$\frac{7}{8}$	22.225	05-014 ¹⁾	05-14 ¹⁾	05-14S ¹⁾
$\frac{15}{16}$	23.812	05-015	—	05-15S
1	25.4	05-100	05-16	05-16S
$1\frac{1}{16}$	26.988	06-101	—	06-17S
$1\frac{1}{8}$	28.575	06-102	06-18	06-18S
$1\frac{3}{16}$	30.162	06-103	—	06-19S
$1\frac{1}{4}$	31.75	06-104	—	06-20S
$1\frac{1}{4}$	31.75	07-104	07-20	07-20S
$1\frac{5}{16}$	33.338	07-105	—	07-21S
$1\frac{3}{8}$	34.925	07-106	07-22	07-22S
$1\frac{7}{16}$	36.512	07-107	—	07-23S
$1\frac{1}{2}$	38.1	08-108	08-24	08-24S
$1\frac{9}{16}$	39.688	08-109	—	08-25S
$1\frac{5}{8}$	41.275	09-110	09-26	09-26S
$1\frac{11}{16}$	42.862	09-111	—	09-27S
$1\frac{3}{4}$	44.45	09-112	09-28	09-28S
$1\frac{13}{16}$	46.038	10-113	—	10-29S
$1\frac{7}{8}$	47.625	10-114	10-30	10-30S
$1\frac{15}{16}$	49.212	10-115	—	10-31S
2	50.8	10-200	10-32	10-32S
2	50.8	11-200	—	11-32S
$2\frac{1}{16}$	52.388	11-201	—	11-33S
$2\frac{1}{8}$	53.975	11-202	11-34	11-34S
$2\frac{3}{16}$	55.562	11-203	—	11-35S

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Nominal shaft dia. inch	Bore dia. mm	Bore code No.		
		NTN	FYH · ASAHI	NSK
2 $\frac{1}{4}$	57.15	12-204	12-36	12-36S
2 $\frac{3}{8}$	60.325	12-206	12-38	12-38S
2 $\frac{7}{16}$	61.912	12-207	—	—
2 $\frac{1}{2}$	63.5	13-208	13-40	13-40S
2 $\frac{11}{16}$	68.262	14-211	—	14-43S
2 $\frac{3}{4}$	69.85	14-212	14-44	14-44S
2 $\frac{15}{16}$	74.612	15-215	—	15-47S
3	76.2	15-300	15-48	15-48S
3 $\frac{1}{8}$	79.375	16-302	16-50 ²⁾	16-50S
3 $\frac{1}{4}$	82.55	17-304	17-52	17-52S
3 $\frac{7}{16}$	87.312	18-307	—	18-55S
3 $\frac{1}{2}$	88.9	18-308	18-56	18-56S
3 $\frac{3}{4}$	95.25	19-312	19-60 ²⁾	19-60S
3 $\frac{15}{16}$	100.012	20-315	—	20-63S
4	101.6	20-400	20-64	20-64S

Note 1: Bore code No. above are applicable to the series 2, 3, and X of UC type bearings.

Example When bore code No. is 05-014, the part No. of bearings are as follows.

	NTN	FYH · ASAHI	NSK
Series 2	UC205-014D1	UC205-14	UC205-14S
Series 3	UC305-014D1	UC305-14	UC305-14S
Series X	UCX05-014D1	UCX05-14	—

2: The bore code No. marked with 2) are of ASAHI products.

3: The inch size bore bearings of AS, AEL, and UEL types are also available. Consult NTN.