

# SPACEA™

## STAINLESS STEEL BALL BEARING UNITS WITH MOLDED-OIL™ FOR SPECIAL ENVIRONMENTS



### FEATURES DETAILS

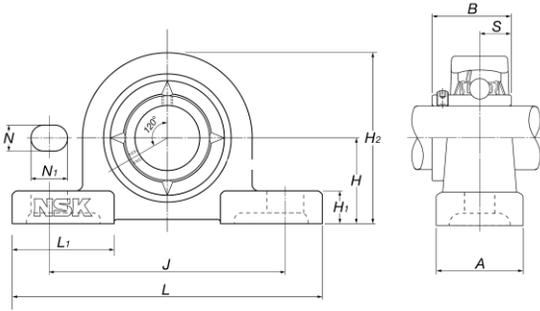
› Excellent corrosion resistance	Ball bearing units with stainless housings provide superior resistance to corrosion as compared to conventional cast iron units.
› Longer lubricant life	Lubricated with oil-impregnated material (solid lube) consisting of lubrication oil and polyolefin resin. Oil slowly seeping from this material provides ample lubrication to the bearing for extended periods.
› Clean operating environment	Operating environments are kept free of oil leakage since only minute quantities of oil seep from the Molded-Oil material, which also provides sufficient lubrication to the bearing and eliminates the need for troublesome grease replenishment.
› Interchangeable	This series of ball bearing units is dimensionally interchangeable with ball bearing units from other manufacturers.

### BEARING SPECIFICATIONS

Parts		Materials
Bearings	Raceways	Martensite stainless steel (equivalent to SUS440C)
	Rolling elements	Martensite stainless steel (SUS440C)
	Slinger Cage	Austenite stainless steel (SUS304)
	Rubber seals	Nitrile rubber
	Setscrew with cup-point and Allen-type (socket) head	Martensite stainless steel (SUS410)
	Lubrication	Molded-Oil™
Bearing housing		Austenite stainless steel casting (SCS13)

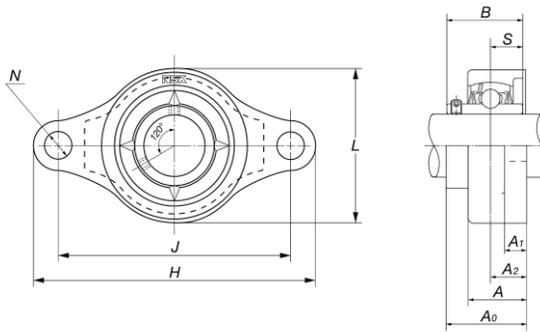
# STAINLESS STEEL BALL BEARING UNITS WITH MOLDED-OIL™

## PILLOW BLOCK BALL BEARING UNIT: F-UCPM2 series (cylindrical bore; setscrew type)



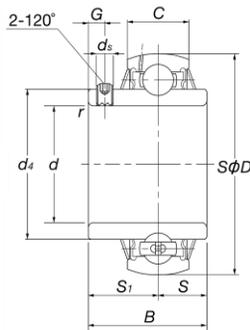
Shaft dia. (mm)	Unit number	Normal dimensions (mm)											Bolt size
		H	L	J	A	N	N <sub>i</sub>	H <sub>1</sub>	H <sub>2</sub>	L <sub>1</sub>	B	S	
20	F-UCPM204D0/LP99	33.3	120	95	30	12	14	11	64	42	31	12.7	M10
25	F-UCPM205D0/LP99	36.5	130	105				12	70		34.1	14.3	
30	F-UCPM206D0/LP99	42.9	155	121	36	17	20	13	82	54	38.1	15.9	M14
35	F-UCPM207D0/LP99	47.6	161	127	38			92	42.9		17.5		
40	F-UCPM208D0/LP99	49.2	171	137	40			98	52	60	49.2	19	
45	F-UCPM209D0/LP99	54	180	146				105	60				

## RHOMBUS FLANGE-TYPE BALL BEARING UNIT: F-UCFM2 series (cylindrical bore; setscrew type)



Shaft dia. (mm)	Unit number	Normal dimensions (mm)											Bolt size
		H	J	A <sub>2</sub>	A <sub>1</sub>	A	N	L	A <sub>0</sub>	B	S		
20	F-UCFM204D0/LP99	112	90	15	10	25.5	12	60	33.3	31	12.7	M10	
25	F-UCFM205D0/LP99	127	99	16		26.5	68	35.8	34.1	14.3			
30	F-UCFM206D0/LP99	145	117	18	12	30	16	80	40.2	38.1	15.9	M14	
35	F-UCFM207D0/LP99	158	130	19		32		90	44.4	42.9	17.5		
40	F-UCFM208D0/LP99	172	144	21	13	35		100	51.2	49.2	19		
45	F-UCFM209D0/LP99	180	148	22		36		108	52.2				

## STAINLESS STEEL BALL BEARING INSERT: F-UC2 series (cylindrical bore; setscrew type)



Shaft dia. (mm)	Unit number	Normal dimensions (mm)										
		d	D	B	C	r <sub>s</sub> *	S	S <sub>1</sub>	G	d <sub>s</sub>	d <sub>4</sub>	
20	F-UC204D0/LP99	20	47	31	17	1	12.7	18.3	4.5	M5 X 0.8	29.6	
25	F-UC205D0/LP99	25	52	34.1			14.3	19.8	5		33.9	
30	F-UC206D0/LP99	30	62	38.1	19	1.5	15.9	22.2	6	M6 X 0.75	40.8	
35	F-UC207D0/LP99	35	72	42.9	20		17.5	25.4			46.8	
40	F-UC208D0/LP99	40	80	49.2	21	19	30.2	8	M8 X 1	53		
45	F-UC209D0/LP99	45	85		22					57.5		

\*Chamfer dimension r<sub>s</sub> is the minimum permissible chamfer dimension.

For enquiries, please contact your local sales.

NSK Ltd is a leading supplier of bearings, precision machinery parts, automotive components and conditioning monitoring systems. Founded in 1916 and headquartered in Tokyo, the group operates 106 sales sites and 67 production sites in 31 countries, employing over 24,057 (as of March 31, 2025) people worldwide.