

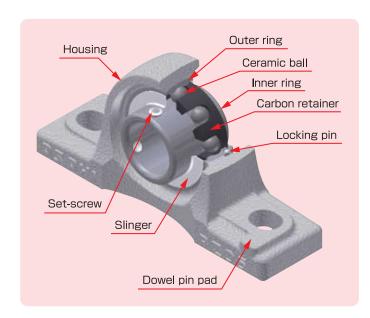
HT400 Series INSERT BEARING UNITS

•FEATURES

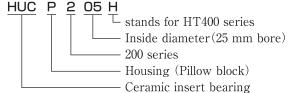
- OBearing rings: stainless steel coated with solid lubricant with special technique, preventing them from being oxidized and allowing stable bearing hardness
- OBalls: ceramics (Si3N4) also coated with solid lubricant with special technique
- ORetainer: self-lubricating carbon endurable even for high-temp application
- OHousing: gray cast iron with special heat resistant paint

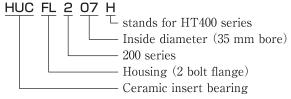
These special materials with superior features enable excellent performance of the bearing unit even under high-temp operation and provide satisfactory service life.

In order to maximize the life expectancy, please consult with us for the operating conditions, such as ambient temperature, rotation speed, load, etc.

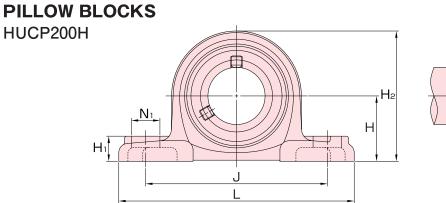


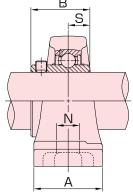
NOMENCLATUREPart number explanation





DIMENSIONS



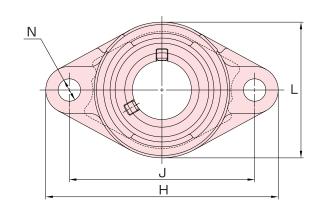


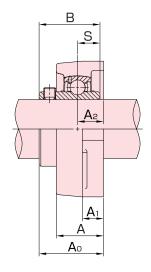
Shaft Dia.	Unit No.	Dimensions (mm)								Bolt	Bearing	Housing	Weight		
(mm)		Н	L	Α	J	N	Nı	Нı	H ₂	В	S	Size	No.	No.	(kg)
20	HUCP204H	33.3	127	38	95	13	19	15	65	31	12.7	M10	HUC204H	P204G00-IZS	0.65
25	HUCP205H	36.5	140	38	105	13	16	16	70	34.1	14.3	M10	HUC205H	P205G00-IZS	0.79
30	HUCP206H	42.9	165	48	121	17	21	18	83	38.1	15.9	M14	HUC206H	P206G00-IZS	1.26
35	HUCP207H	47.6	167	48	127	17	21	19	94	42.9	17.5	M14	HUC207H	P207G00-IZS	1.59
40	HUCP208H	49.2	184	54	137	17	25	19	100	49.2	19	M14	HUC208H	P208G00-IZS	1.92
45	HUCP209H	54	190	54	146	17	22	20	108	49.2	19	M14	HUC209H	P209G00-IZS	2.19
50	HUCP210H	57.2	206	60	159	20	25	22	114	51.6	19	M16	HUC210H	P210G00-IZS	2.59



TWO-BOLT FLANGE UNITS

HUCFL200H

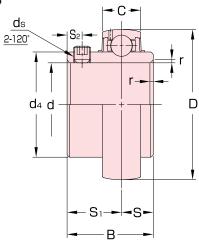




Shaft Dia.	Unit No.	Dimensions (mm)									Bolt	Bearing	Housing	Weight	
(mm)		Н	L	Α	J	Ν	Αı	A2	Αo	В	S	Size	No.	No.	(kg)
20	HUCFL204H	113	60	25.5	90	12	12	15	33.3	31	12.7	M10	HUC204H	FL204G00-IZS	0.42
25	HUCFL205H	130	68	27	99	16	14	16	35.8	34.1	14.3	M14	HUC205H	FL205G00-IZS	0.59
30	HUCFL206H	148	80	31	117	16	14	18	40.2	38.1	15.9	M14	HUC206H	FL206G00-IZS	0.9
35	HUCFL207H	161	90	34	130	16	16	19	44.4	42.9	17.5	M14	HUC207H	FL207G00-IZS	1.2
40	HUCFL208H	175	100	36	144	16	16	21	51.2	49.2	19	M14	HUC208H	FL208G00-IZS	1.51
45	HUCFL209H	188	108	38	148	19	18	22	52.2	49.2	19	M16	HUC209H	FL209G00-IZS	1.9
50	HUCFL210H	197	115	40	157	19	18	22	54.6	51.6	19	M16	HUC210H	FL210G00-IZS	2.2

INSERT BALL BEARINGS

HUC200H



Shaft Dia.	ia. No.									Weight (kg)		
(mm)	110.	d	D	В	С	l 'smin	S	Sı	S2	d s	d4	\g/
20	HUC204H	20	47	31	17	1	12.7	18.3	4.5	M6×1	29	0.16
25	HUC205H	25	52	34.1	17	1	14.3	19.8	5	M6×1	34	0.19
30	HUC206H	30	62	38.1	19	1	15.9	22.2	5	M6×1	40.5	0.31
35	HUC207H	35	72	42.9	20	1.5	17.5	25.4	6	$M8 \times 1$	48	0.48
40	HUC208H	40	80	49.2	21	1.5	19	30.2	8	M8×1	53	0.62
45	HUC209H	45	85	49.2	22	1.5	19	30.2	8	M8×1	57.3	0.67
50	HUC210H	50	90	51.6	23	1.5	19	32.6	9	M10×1.25	63	0.78

^{1.} I's min is the minimum allowable value for dimension "r".

MATERIAL

	Parts				
	Balls	Ceramic	Si3N4		
	Inner & Outer rings	Stainless steel	SUS440C (equiv.)		
Bearing	Retainer	Self-lubricant	Carbon		
Dearing	Slinger	Ct-iul-us starl	CHCCC4		
	Set-screw	Stainless steel	SUS304		
	Lubricant	Solid Lubricant	_		
	Housing	Gray cast iron	FC200 (with heat resistant paint)		

SET-SCREW TIGHTENING TORQUE

Bearing No. HUC	Spanner No.	Tightening Torque (N-m)		
204~206	3	3.9		
207~209	4	8.3		
210	5	16.2		

OTOLERANCE

Unit	:	μm	

	Bea	ring inner ring		Housing				
Shaft Dia.	Deviation of mean bore diameter in plane of inner ring	Variation of bore diameter in plane of inner ring Vdsp	Deviation of inner ring width Bs(Ref.)	Radial runout of inner ring Kia (Ref.)	Housing No. P-G00-IZS FL-G00-IZS	Pillow block Two-bo Deviation of distance between mounting base and spherical-seat center		Positional tolerance of fixing bolt hole
Over Incl.	High Low		High Low	Max.		⊿Hs	⊿A2s	×
18 30 30 50	+ 18 0 + 21 0	12 14	0 -120 0 -120	18 20	204~210	± 150	± 500	700

●MAXIMUM OPERATING TEMPERATURE UP TO 400°C

OTYPICAL APPLICATION

○INDUSTRIAL FURNACE ○DRYING FURNACE ○DAMPER

REMARKS

- OPlease contact us for other types of housing.
- OPlease contact us in advance for detail of operating conditions.
- OSpecifications are subject to change without prior notice.

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