

ASAHI

ACCU-LOC *CONCENTRIC LOCKING DEVICE*

UEP 200P TYPE
UEFL 200P TYPE



JP-1973



ISO 9002
JQA-1973



*For quieter, smoother, more efficient running bearings under higher radial loads and a true center line... there's only one choice... **ACCU-LOC.***

ASAHI SEIKO CO., LTD.

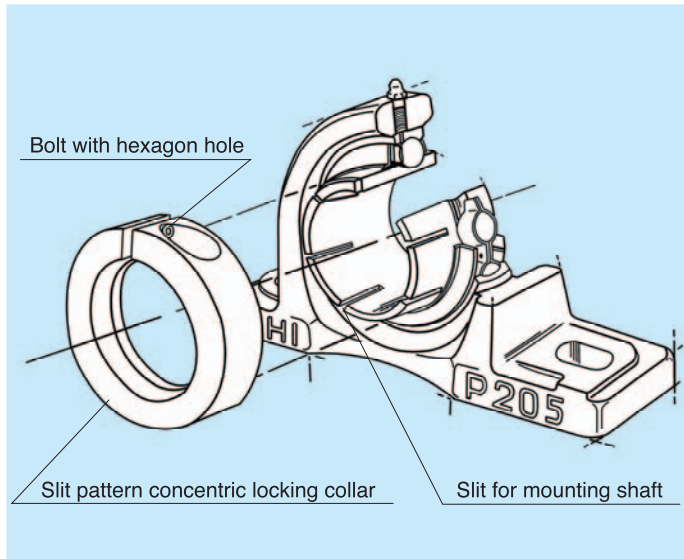
ACCU-LOC Series

1. INTRODUCTION

ACCU-LOC locking device obtains ideal and accurate grip concentrically on a shaft, by slit pattern of locking collar and inner ring.

This helps guarantee TRUE CENTER LINE and SHAFT PROTECTION.

2. CONSTRUCTION AND FEATURES



■ Concentric locking

The uniform grip of the inner race to the shaft results in lower noise and vibration levels at high speeds.

■ Shaft protection

The concentric locking force significantly reduces the chance of marring or damaging the shaft.

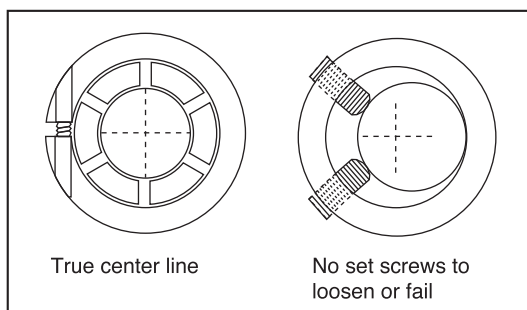
■ Quick easy installation

One step installation - only one cap screw to tighten down - in one position.

■ True centerline

The inner race closes down on the shaft from all sides creating a true centerline resulting in even balance.

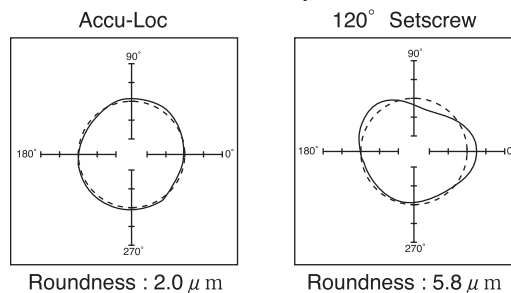
Approximately 360° of gripping power for uniform center line positioning!



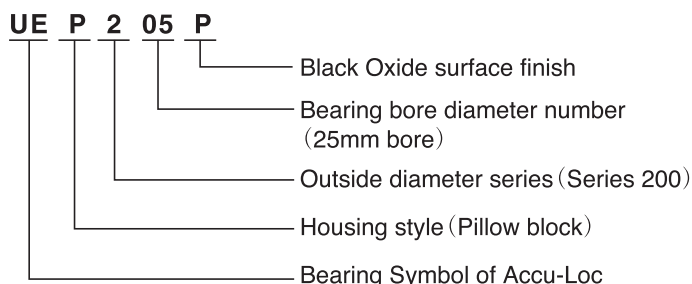
Industrial Property approved

ACCU-LOC maintains roundness and near perfect concentricity when compared to setscrew methods.

(Test example)



3. NUMBERING SYSTEM



4. Recommended tightening torque

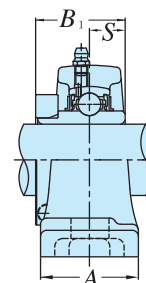
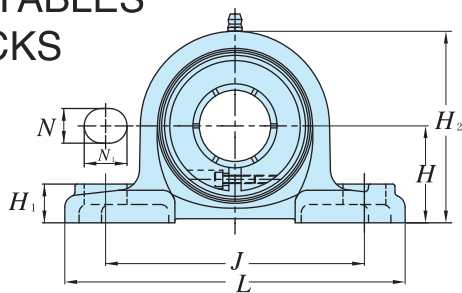
Bearing Nos. UE	Hexagon key No.	Tightening torque (N · m)
204 ~ 206	M3	3.9
207 ~ 209	M4	8.3
210 ~ 211	M5	16.2
212	M6	27.9

Housing style	Bearing	Housing	Unit No.
Pillow block	UE200P	P200	UEP200P
2-bolt flange		FL200	UEFL200P

Available in any standard duty housing style.

5. DIMENSION TABLES PILLOW BLOCKS

UEP200P

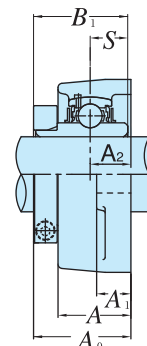
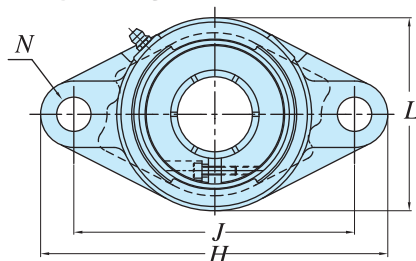


Shaft Dia. (mm)	Unit No.	Dimensions (mm)										Bolt Size	Bearing		Housing No.	Weight (kg)	
		H	L	A	J	N	N ₁	H ₁	H ₂	B ₁	S		Bearing No.	Basic Load Rating (kN) Cr Cor			
20	UEP204P	33.3	127	38	95	13	19	15	65	33	12.7	M10	UE204P	12.8	6.6	P204	0.72
25	UEP205P	36.5	140	38	105	13	16	16	70	35.4	14.3	M10	UE205P	14	7.9	P205	0.88
30	UEP206P	42.9	165	48	121	17	21	18	83	39.8	15.9	M14	UE206P	19.6	11.3	P206	1.4
35	UEP207P	47.6	167	48	127	17	21	19	94	43.9	17.5	M14	UE207P	25.9	15.4	P207	1.75
40	UEP208P	49.2	184	54	137	17	25	19	100	50.2	19	M14	UE208P	29.3	17.9	P208	2.15
45	UEP209P	54	190	54	146	17	22	20	108	50.2	19	M14	UE209P	33	20.5	P209	2.48
50	UEP210P	57.2	206	60	159	20	25	22	114	52.6	19	M16	UE210P	35.5	23.2	P210	2.98
55	UEP211P	63.5	219	60	171	20	25	22	126	52.6	22.2	M16	UE211P	43	29.4	P211	3.67
60	UEP212P	69.8	241	70	184	20	25	25	138	66.6	25.4	M16	UE212P	52.5	36.1	P212	5.31

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2-BOLT FLANGE UNITS

UEFL200P



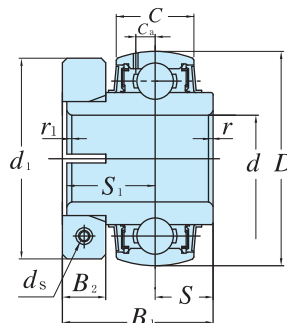
Shaft Dia. (mm)	Unit No.	Dimensions (mm)										Bolt Size	Bearing		Housing No.	Weight (kg)	
		H	L	A	J	N	A ₁	A ₂	A ₀	B ₁	S		Bearing No.	Basic Load Rating (kN) Cr Cor			
20	UEFL204P	113	60	25.5	90	12	12	15	35.3	33	12.7	M10	UE204P	12.8	6.6	FL204	0.52
25	UEFL205P	130	68	27	99	16	14	16	37.1	35.4	14.3	M14	UE205P	14	7.9	FL205	0.72
30	UEFL206P	148	80	31	117	16	14	18	41.9	39.8	15.9	M14	UE206P	19.6	11.3	FL206	1.06
35	UEFL207P	161	90	34	130	16	16	19	45.4	43.9	17.5	M14	UE207P	25.9	15.4	FL207	1.35
40	UEFL208P	175	100	36	144	16	16	21	52.2	50.2	19	M14	UE208P	29.3	17.9	FL208	1.75
45	UEFL209P	188	108	38	148	19	18	22	53.2	50.2	19	M16	UE209P	33	20.5	FL209	2.08
50	UEFL210P	197	115	40	157	19	18	22	55.6	52.6	19	M16	UE210P	35.5	23.2	FL210	2.48
55	UEFL211P	224	130	43	184	19	20	25	59.4	56.6	22.2	M16	UE211P	43	29.4	FL211	3.57
60	UEFL212P	250	140	48	202	23	20	29	70.2	66.6	25.4	M20	UE212P	52.5	36.1	FL212	4.71

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BALL BEARINGS

UE200P

Note ; (※) Also available ; Bearings with inch sized bores.
Please consult us.



Shaft Dia. (mm)	Bearing No.	Dimensions (mm)										Bolt Size ds	Basic load rating		Weight (kg)	
		d	D	B ₁	C	r	r ₁	C _a	S	S ₁	d ₁		B ₂	Cr		Cor
20	UE204P	20	47	33	17	1.5	1	4.5	12.7	18.3	44	9.5	M4×16	12.8	6.6	0.23
25	UE205P	25	52	35.4	17	1.5	1	4.5	14.3	19.8	49	9.5	M4×16	14	7.9	0.28
30	UE206P	30	62	39.8	19	1.5	1	5.1	15.9	22.2	59	9.5	M4×16	19.6	11.3	0.41
35	UE207P	35	72	43.9	20	2	1	5.8	17.5	25.4	64	11	M5×20	25.9	15.4	0.63
40	UE208P	40	80	50.2	21	2	1	6.2	19	30.2	69	11	M5×20	29.3	17.9	0.77
45	UE209P	45	85	50.2	22	2	1	6.5	19	30.2	74	11	M5×20	33	20.5	0.85
50	UE210P	50	90	52.6	23	2	1	6.5	19	32.6	84	14.5	M6×25	35.5	23.2	1.06
55	UE211P	55	100	56.6	24	2.5	1	7.3	22.2	33.4	94	14.5	M6×25	43	29.4	1.4
60	UE212P	60	110	66.6	26	2.5	1	7.7	25.4	39.7	108	17	M8×30	52.5	36.1	2.06

6. TOLERANCE

Unit : μm

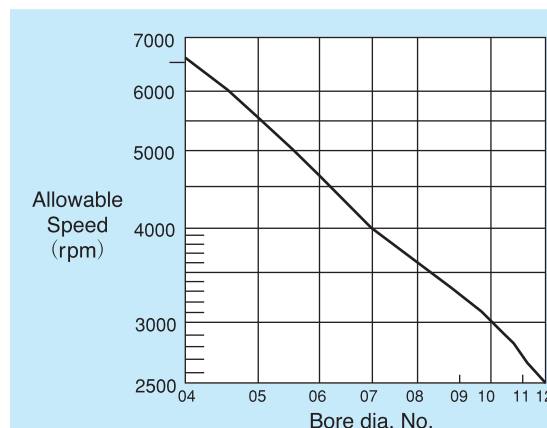
Inner ring							Housing				
Inner dia. (mm)	Mean bore diameter in a radial plane Δdmp		Bore diameter deviation in a radial plane Vdp	Width deviation ΔBs (reference)		Radial run-out Kia (reference)	Housing No. P F L	Base-to-center-height deviation		Tolerance for the distance between mounting-bolt-hole centers	
	Over	Incl.		High	Low			High	Low		Pillow block type ΔHs
18	30		+18	0	12	0 - 120	18	204~210	± 150	± 500	± 700
30	50		+21	0	14	0 - 120	20	211~212	± 200	± 800	± 1000
50	80		+24	0	16	0 - 150	25				

7. STATIC BREAKING STRENGTH OF HOUSINGS

Unit : kN

Housing	W _U	W _S	W _T	Housing	W _D	W _T
P204	34	50	10	FL204	32	22.5
P205	40	55	11.5	FL205	44	25
P206	44	60	12.5	FL206	55	28
P207	50	70	15	FL207	66.5	32
P208	56	80	16	FL208	79	36.2
P209	64	96	20	FL209	91	41.2
P210	74	110	22	FL210	103	47
P211	82	120	25	FL211	115	53
P212	95	140	27.5	FL212	130	60

8. ALLOWABLE SPEED



9. TYPICAL APPLICATIONS

High-speed and vibratory applications, such as blower, high-speed spindle, grinder, crusher.

10. SHAFT SELECTION

Unit : μm

Dia. (mm)	js7	h7
Over 18, incl. 30	± 10.5	0 ~ -21
Over 30, incl. 50	± 12.5	0 ~ -25
Over 50, incl. 80	± 15	0 ~ -30

Tight fit is recommendable on high-speed and/or vibratory applications.

— Specifications are subject to change without prior notice —

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