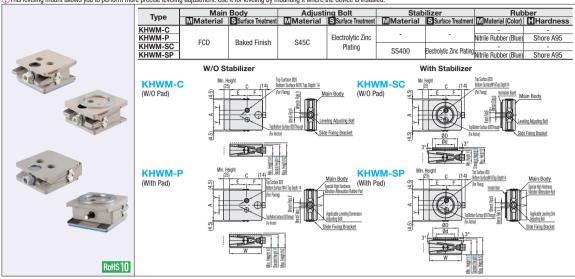
# **Leveling Mounts**

This leveling mount allows you to perform more precise leveling adjustment. Use it for leveling by mounting it where the device is installed.



		Part Numb	er	_	С	н	h1	h2	v	Е	Е	Adjusting Bo	It Dimension	Stab	ilizer	Pa	ad	Allowable Vertical Load	Height Adjustment	Leveling Accuracy	Incline	Mass	Unit F	
		Type	Н	A	-	п	1111	112	T	=	-	В	b	D	d	W	٧	(kN)	(mm)	(mm/rev.)	Adjustment Angle	(kg)	1 ~ 4 pc (s).	5 ~ 10 pcs.
W/O Stabilizer	W/O	KHWM-C 4	47	110	115	47	41	53		64	51	22 12					50				3.3			
	Pad		51	130	140	51	45	57	20	74	66		10	12 -		-	7	70	±6 0.24		5.4			
	With	KHWM-P 52	52	110	115	52	46	58	20	64	51		12		-	111	106	16		0.24	-	3.4		
	Pad		56	130	140	56	50	62		74	66					136	126	25				5.5		
With Stabilizer	W/O		56	110	115	56	50	62		64	51	66		2 108		78	50	±6	0.24		3.6			
	Pad		62	130	140	62	56	68	20	74 66	66				70		.   . [	70			±3°	6.0		
	With	KHWM-SP	61	110	115	61	55	67	20	64 51 74 66		22			10		106	16		±0 [	3.7			
	Pad	KHWWIVI-SP	67	130	140	67	61	73			66					136	126	25				6.1		



### ■Features

This leveling mount allows for installation of devices and apparatuses and to adjust the heights by the effect of integrated special springs.

Because the adjusting bolt head will not move back and forth during leveling

adjustment, this will improve your work efficiency.

Low particle generation fluorinated grease is applied to Standard Type, which is suitable for clean environments. (Clean Room Class is not guaranteed.)

With Pad Type has an attenuation effect for self-induced vibration. Also excels in oil resistance and non-migration property (color transfer to the

With Stabilizer Type is applicable to the floor inclination  $(\pm 3^{\circ})$  to keep the device horizontal, which ensures stable work environments.

### ■Rubber Pad Characteristics

Hardness	Shore A	95
Specific Gravity	-	1.25
Tensile Strength	MPa	6.5
Elongation	%	100
Max. Operating Temperature	°C	80
Continuous Use Temperature	°C	70
Cold Resistance	°C	0

- (*	) lests	01	tensile	strength	and	elongation are	
	condi	icti	nd hace	d on the	IIS St	andarde K6251	

Grease Characteristics					
Name	Item	Contained Amount	Unit	Measurement Method	Condition
Fluorinated Resin	Thickener	-	-	-	-
Per-Fluoro Polyether Oil	Base Oil	-	-	-	-
Dropping Poil	None	-	JIS K-2220 5, 4	-	
Evaporation Am	ount	≤0.2	mass%	Proprietary scheme	
Oil Separatio	n	≤10	mass% mass% mass%	Proprietary scheme	200°C, 24h

Features: Achieves good lubricating performance in wide range of temperature from low to high.

# <Bottom Pad>

# <Example of Stabilizer>

## Major Application

- FPD Manufacturing Processor
- Semiconductor Manufacturing Processor Precision Metal Processor
- Large Precision Measuring Instrument
- Other Devices and Apparatuses

# 10 The flange, frame and the floor of the device on which leveling mounts are to be mounted require adequate rigidity. 2 Place a device gently onto the leveling mount.

Critical a device genity onto the levening indunt.

When mounting a leveling mount on the device with bolts, align the mounting holes of the device and the tap position of the leveling mounts. Next, insert a hex bott, a hex nut and a plain washer into a mounting hole of the device and screw them in the tap Tighten the hex nuts and plain washers after the leveling adjustment of step ⑤. Please note that if the support load is extremely light, the leveling mount may slant due to the over-tightening of nuts

Turn the has head (hole) on the front side of the leveling mount by a tool and adjust the level of the device. Turn clockwise to increase the level and counterclockwise to decrease. Calgiust each leveling mount gradually to avoid load concentration on the leveling mount gradually to avoid load concentration on the leveling mount.

# <Mounting Example> mag

### ■Bolt, Nut and Washer Selection Example

		M	Selected Bolt				
Part Number	How to Mount	Screw-In	D	Nut	Washer	Selected Bolt	
Part Number		Depth	Base Thickness	LBNR16-	FWS16-	RCB16-	
		(Overall Depth)	HILICKHESS	P.240	P.115	P.190	
KHWM-P52		53	Arbitrary	13	2.5	RCB16- L Dimension	
KHWM-P56	Device Mounting	57					
KHWM-SP61		62					
KHWM-SP67		68					
KHWM-C47		53					
KHWM-C51		57					
KHWM-SC56		62					
KHWM-SC62		68					
~							

About Anchor Bolts

AnchorPlease prepare the size M16 (coarse) mounting bolts on your side.

Length of anchor bolts ≥ device flange/frame thickness + depth of screwed-in leveling mount (total depth) +

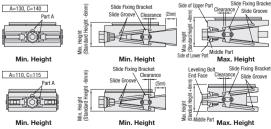
hex nut and plain washer thickness Anchor bolt mounting holes can be ignored when not necessary.

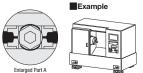
### Leveling Adjustment Range

Make sure to keep the leveling adjustment range within the operating range (±6mm) as shown in the above table. Verify that the approximately 1mm of clearance is provided at the part A shown below for the minimum height. This clearance is to avoid

interference between the slide groove and the slide fixing bracket.

Note that if the level is lower, the casted main body will be in contact and the slide fixing bracket will come off from the slide groove, hich will cause damage or breakage. For the maximum height, the tip of the middle part slides to the side edge of the upper/lower part for A130 and C140, while it slides to the edge of the leveling bolt for A110 and C115. Do not increase the height further.





Other Cautions Jack up the device at a certain height previously, install the leveling mounts and make a final adjustment using the leveling mounts. The middle part (wedge shape) moves back and forth during leveling adjustment. Keep the clearance of at least 30mm on the back of the

ase pay close attention to safety measures