


Leveling Mounts

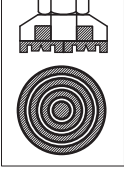
Vibration Damping Mounts

Leveling Mounts – Vibration Damping Mount

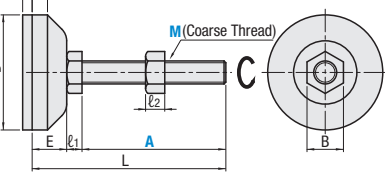


RoHS10

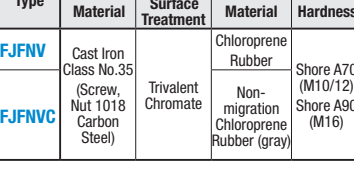
FJFNV



FJFNC



Non-Migration Rubber Type



Type	(1) Main Body		(2) Rubber Part	
	Material	Surface Treatment	Material	Hardness
FJFNV	Cast Iron Class No.35	Trivalent Chromate	Chloroprene Rubber	Shore A70 (M10/12)
FJFNC	(Screw, Nut 1018 Carbon Steel)		Non-migration Chloroprene Rubber (gray)	Shore A90 (M16)

Part Number		L	ℓ_1	ℓ_2	E	B	Vertical Load Range (kN)	Mass (g)	
Type	M-A								
FJFNV FJFNC	10-75	100	7	8	18	17	2.0-7.0	322	
	10-100	125						333	
	12-75	101						342	
	12-100	126						360	
	12-125	151						379	
	12-150	176	8	10		19	3.0-10.0	395	
	16-75	103						438	
	16-100	128						449	
	16-130	158						508	
	16-150	178						536	
	16-180	208	10	13		24	3.5-12.0	574	

Part Number Example

Part Number

FJFNV16-75

Antivibration Effect

This product's antivibration effects (vibration transmissibility) heavily depends on applied loads and frequency of supported objects (natural frequency). The graph on the right shows anticipated antivibration effects of this product calculated from frequencies of supported objects.

How to Select

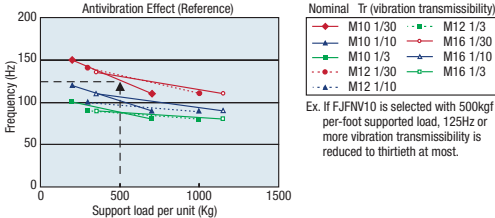
(1) Calculations of Applied Load per Unit

Ex) When an object of 2,000 kg is supported by 4 points, 2,000/4=500(kgf)


(2) Natural Frequency of the Object is investigated. Frequency = Number of Vibrations per Second

Ex) When motor speed is 7,200 rpm, 7,200(rpm)/60(s)=120(Hz)

With data obtained (1) and (2) plotted on the graph, applicable screw diameter (M) and vibration transmissibility under the condition are found.

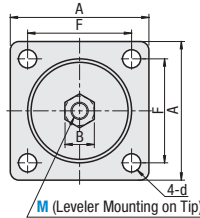


Adjustment Pads – Antivibration Attachment

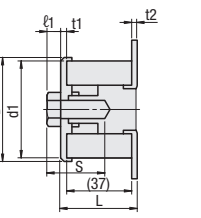


RoHS10

KMBU



KMBS



Part Number	Type	M	Damper Hardness	Main Body					Fixing Plate				Vertical Load (kN)	Mass (g)		
				L	D	d ₁	S	t ₁	B	ℓ ₁	A	F			t ₂	d
KMBU KMBS	N	6	N	42	45	40	28	2.5	10	3.5	80	60	2.3	8.5	1	260
		8		43	55	50	30	3.5	13	5					1.5	340
		10		44	60	55	31		17	6					2	420
		12			72	67	32		19	7					2.5	630
		*16		44.5	88	83	33	4	24	10	115	90	4	12.5	3	1000
		*20		45	103	98	34		30	12					3.5	1220

*M16 and 20 are available for KMBU only.

Part Number Example

Part Number

Damper Hardness

KMBU10

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N

Features

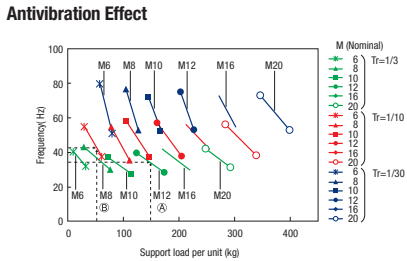
- Suitable for vibration countermeasures for vibratory equipment and machinery.
- Can be used as general leveling mounts up to 5° inclination.
- Damper will not stain floor since not in contact with the floor.

How to Select

Antivibration effects of vibration material (vibration transmissibility) heavily depend on applied loads and frequency of supported objects (natural frequency). The graph on the right shows anticipated antivibration effects of products calculated from frequencies of supported objects.

- (1) Calculations of Applied Load per Attachment
- Ex) When an object of 600 kg is supported by four attachments 600/4=150 (kgf)
- (2) Natural Frequency of the Object is evaluated.
- Frequency=Number of Vibrations per Second
- Ex) When the motor speed is 1,800 rpm 1,800 (rpm)/60 (s)=30 (Hz)

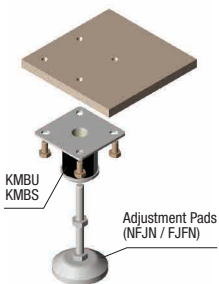
With data obtained (1) and (2) plotted on the graph, appropriate type of the attachment and vibration transmissibility under above condition are found.



All values are based only on calculations and are not guaranteed.

Application Example


Equipment vibrations are suppressed by the damper effect.



Leveling Mounts

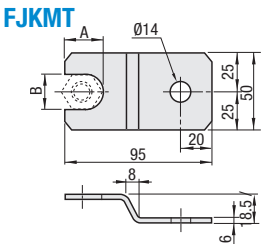
Mounting Plates / Mounting Nuts / Protection Caps

Leveling Mounts – Economy Mounting Plate



RoHS10


FJKMT



Material: 1018 Carbon Steel or Equivalent

Surface Treatment: Bright Chromate Plating

Leveling Mounts – Thick Mounting Plate



RoHS10

Steel

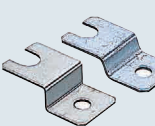
AJPNF
AJKNF

Stainless Steel

AJPNFS
AJKNFS

Type	Material	Surface Treatment
AJPNF / AJKNF	1018 Carbon Steel or Equivalent	Trivalent Chromate
AJPNFS / AJKNFS	304 Stainless Steel	—

Leveling Mounts – Mounting Plate



RoHS10

Steel


FJKPF
FJKPN
FJKPG

Stainless Steel

FJKPFS
FJKPNS
FJKPGS

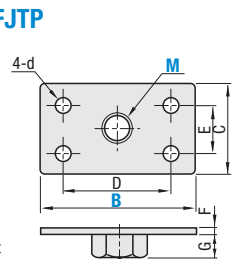
Type	Material	Surface Treatment
FJKP_	1018 Carbon Steel or Equivalent	Trivalent Chromate
FJKP_S	304 Stainless Steel	—

Leveling Mounts – Mounting Nut



RoHS10


FJTP



Material: 1018 Carbon Steel or Equivalent

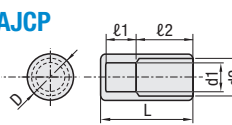
Surface Treatment: Trivalent Chromate

Leveling Mounts – Protection Caps



RoHS10

AJCP



20 pcs. per package

Material: EPDM Synthetic Rubber

Part Number		A	B	L
Type	No.			
FJKMT	12	22.5	19.3	95
	16	25	24.5	
	20	28	31.0	

Part Number Example

Part Number

FJKMT12

Part Number	Type	No.	t Plate Thickness	D	A	B	K	C	L	L ₁	Applicable Leveling Mount
AJPNF Steel	AJPNFS Stainless Steel	16	4.5	29	37.5	17	50	28.5	115	72	NFJN16, P.3166
AJPNF Steel		20	6	36	45.5	21	60	28.5	125	77.5	NFJN20, P.3166
AJPNF Steel		20	6	36	45.5	21	60	28.5	125	77.5	FJFN20, P.3169

Plate thickness may vary up to -10%.

Part Number Example

Part Number

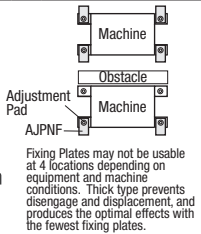
t

AJPNF20

-

4.5

Application Example



Part Number	Type	No.	t Thickness	FJKP_	FJKP_S	A	B	C	L	L ₁	Applicable Adjustment Pads
FJKPF Steel	FJKPFS Stainless Steel	12	2	3.2	2	22.5	19	22	95	65	NFJN12, P.3166
FJKPF Steel		16				25	24	24	130	100	NFJN16, P.3166
FJKPF Steel		20				28	30	24	130	100	NFJN20, P.3166
FJKPN Steel	FJKPNS Stainless Steel	12	2	3.2	2	22.5	19	20	95	65	FJFN12, P.3169
FJKPN Steel		16				25	24	20	130	100	FJFN16, P.3169
FJKPN Steel		20				28	30	20	130	100	FJFN20, P.3169
FJKPG Steel	FJKPGS Stainless Steel	12	2	3.2	2	22.5	19	25	95	65	FJGN12, P.3167
FJKPG Steel		16				25	24	27	130	100	FJGN16, P.3167
FJKPG Steel		20				25	24	27	130	100	FJGN16, P.3167

For FJKPN and FJKPNS, t=2 when t dimension is not specified.

Part Number Example

Part Number

t

FJKPN16

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3.2

Part Number	Type	M (Coarse)	B	C	D	E	F	G	d
FJTP		12	40	40	28	28	2	9	6
		16	50		42	22			
		20	60		46	26			
		12	50	50	36	36	3.2	12	8
		16	60		36	26			
		20	80		36	26			

Part Number Example

Part Number

B

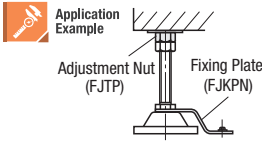
FJTP16

-

80

Features

Hex nuts do not fall off as they are swaged on.



Part Number	Type	No.	Color	D	L	d ₁	d ₂	ℓ ₁	ℓ ₂	Applicable Screw Size (Coarse)
AJCP		8	Black	11	35	5.5	7	10	20	M6 / 8
		12		16.5	35	9.5	11.5			M10 / 12
		20		24.5	35	15.5	19.5			M16 / 20

Part Number Example

Part Number

Color

AJCP12

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B

