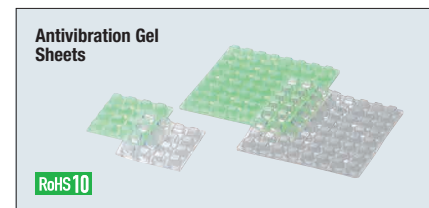


# Washers with Antivibration Gel

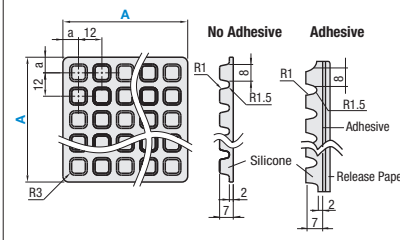
## Sheets / Rubber Covered Type



RoHS 10

Type	Material	Hardness
No Adhesive	No Adhesive	Asker C Penetration
BGEPG	BGEPGA	Silicone
BGEPM	BGEPMA	Silicone

The values of hardness are reference values.

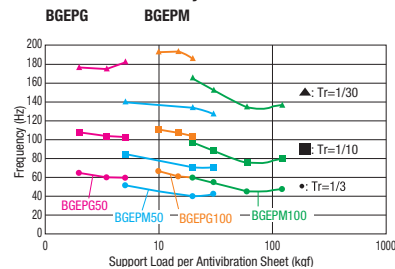


Type	A	a	Proper Load N(kgf)	Deflection Property N/mm (kgf/mm)	Applied Frequency Hz	Protrusions	Color
BGEPG	50	7	19.6-49 (2-5)	22 (2.25)	40~	4 x 4 = 16 Pcs.	Milky White
BGEPM	50	7	49-294 (5-30)	93 (9.5)		4 x 4 = 16 Pcs.	Light Green
BGEPG	100	8	98-196 (10-20)	98 (10)		8 x 8 = 64 Pcs.	Milky White
BGEPM	100	8	196-1225 (10-125)	431 (44)		8 x 8 = 64 Pcs.	Light Green

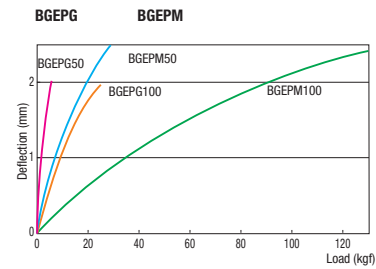
kgf=N×0.101972

- Can be cut with a utility knife between protrusions.
- Adhesive Type has an operating temperature between -40 and 100°C.
- Reference: Adhesive Strength (180° Peeling Strength) 14.5 N/25 mm Width (When affixed to 304 Stainless Steel)
- As pressure sensitive adhesive is used, be sure to apply sufficient pressure so that the joint sections may firmly adhere to each other.
- Adhesive Type uses 75 μm PET film base material.
- Oil may ooze out to the backing paper.

### Vibration Transmissibility Data



### Load Deflection Data

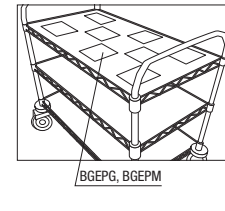
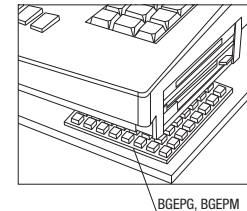
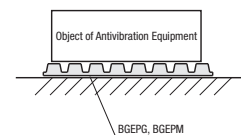


Values in the graph are nominal for each type. The above values are an example of measured values and are not guaranteed.

### Application Example

Prevents Vibration to Measuring Equipment

Avoids Vibration and Buffering of Cart for Precision Parts



### Part Number Example

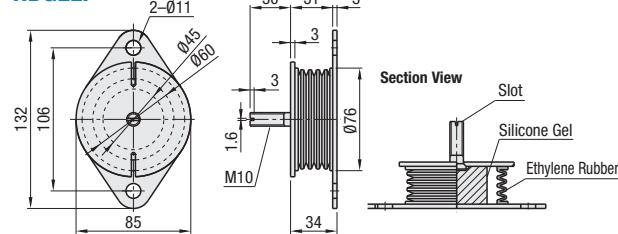
Part Number  
BGEPG50

## Antivibration Gel Rubber Covered Type

RoHS 10



### HBGELP



**Material:**  
Body: Silicone  
Coating: EPDM Synthetic Rubber  
Synthetic Rubber (EPDM Synthetic Rubber)  
Attaching Portion: 304 Stainless Steel Equivalent

**Accessories:**  
Hexagon Nut: 304 Stainless Steel Equivalent  
Spring Washer: 304 Stainless Steel Equivalent  
1 pc. each

kgf=N×0.101972

Part Number	Working Load N(kgf)	Frequency Used Hz
HBGELP	245.1-343.2 (25.0-35.0)	13~

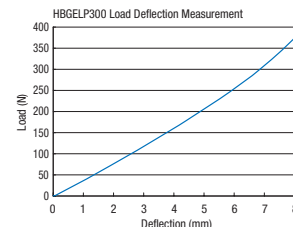
### Part Number Example

Part Number  
HBGELP300

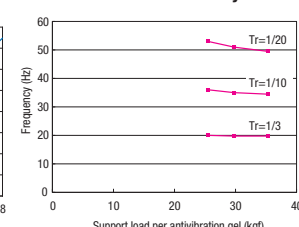
### Features

- Low frequency vibration absorbing gel with working load limit of 25-35 kgf (when 1pc. is used) and lowest usable frequency of 13 Hz.
- The main silicone gel body is ethylene rubber covered, and has good environmental resistance. Outdoor use is possible.

### Load Deflection Data



### Vibration Transmissibility Data

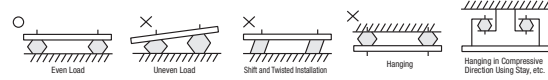


Values in the graph are nominal for each type.

The above values are not guaranteed values but an example of measured values.

### How to Mount

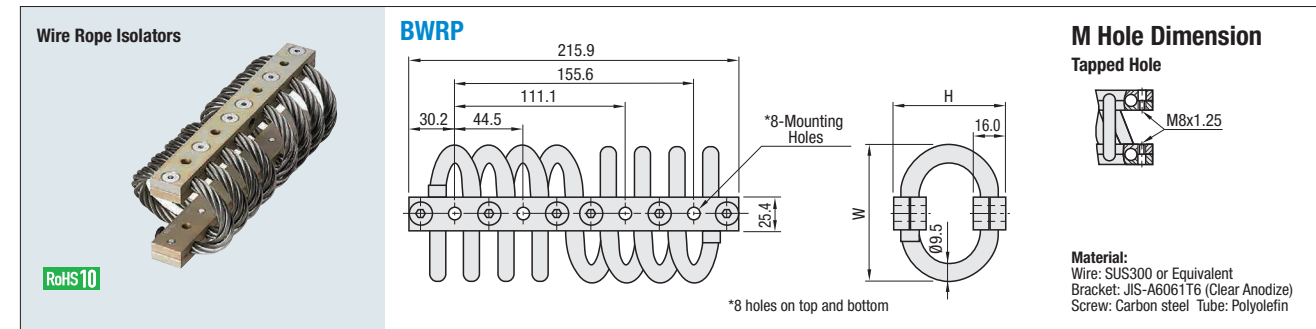
- Attach so that load is applied evenly.
- Antivibration Gels can be used only on perpendicular loads.
- Shifted or twisted installation drastically lowers performance and durability.
- Do not use in tension.



### Cautions

- The height becomes lower due to being compressed when loaded.
- Do not remove the rubber burrs around the studs as the burrs prevent separations of studs and antivibration materials.
- Antivibration Gel/Rubber are designed to be used in compression.

# Wire Rope Isolators



Part Number	No.	H	W	Mass (kg)	Working Load N(kgf)	Spring Constant N/mm(kgf/mm)	Used Frequency Hz
BWRP	1220M	71	84	1.1	800-1500 (81.6-153.1)	222 (22.6)	12~
	1240M	76	105	1.2	500-1000 (51-102)	148 (15.1)	12~
	1260M	89	108	1.3	350-700 (35.7-71.4)	118 (12.0)	12~
	1280M	108	140	1.5	200-400 (20.4-40.8)	56 (5.7)	12~

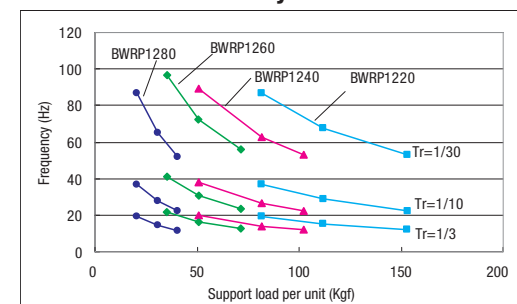
### Part Number Example

Part Number  
BWRP1220M

### Features of Wire Rope Isolators

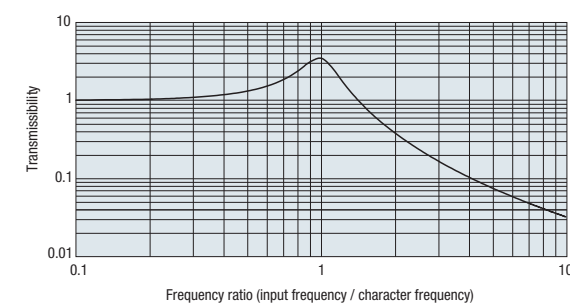
- Vibration/shock absorber that converts vibration into heat energy using friction and deflection of wire ropes.
- Made of all metal components, it is more resistant to corrosion, environment and chemicals than other anti-vibration parts (gel, rubber) and usable in a broader operating temperature (-100-260°C).
- Vibration insulation effect is expected for low frequency as low as 12 Hz, to which it is difficult for rubber to respond to.
- Excellent in vibration reduction, with resonance magnification low at 3.5 (see vibration characteristic chart below).
- Superior in impact resistance, which does not belong to other anti-vibration parts. Best used for protection of transportable equipments (see vibration transmissibility chart).

### Vibration Transmissibility Data



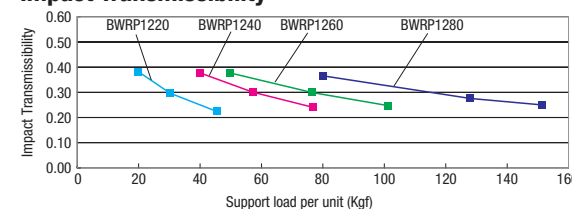
The above values are not guaranteed values but an example of measured values.

### Vibration Characteristics



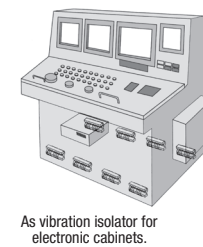
The above values are not guaranteed values but an example of measured values.

### Impact Transmissibility

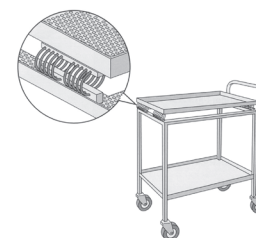


The above values are not guaranteed values but an example of measured values.

### Application Example

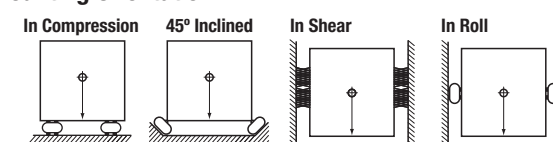


As vibration isolator for electronic cabinets.



Recommended for vibration countermeasures for precision parts hand trucks.

### Mounting Orientation



### Hanging Mount

This product is not suitable for hanging mount. Please mount in compression.

