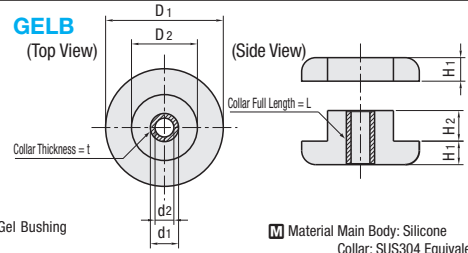




**Antivibration Gel Bushings**

**RoHS 10**

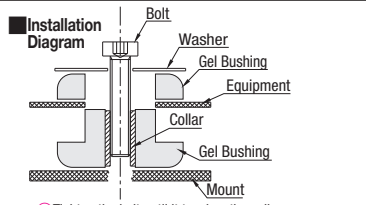
**Features:** The penetrating bolt of Antivibration Gel Bushing can minimize horizontal misalignment.



**GELB**  
(Top View) (Side View)

Collar Full Length = L  
Collar Thickness = t

**M** Material Main Body: Silicone  
Collar: SUS304 Equivalent

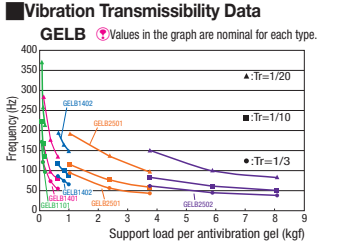


**Installation Diagram**

Tighten the bolt until it touches the collar.  
**A** Accessory: Washer, Low Head Bolt: SUS304 Equivalent  
Hex Nut: SUS304 Equivalent

Part Number Type	No.	D1	D2	d1	d2	H1	H2	L	t	Working Load N (kgf)	Spring Constant N/mm (kgf/mm) ± 20%	Hardness Asker C	Penetration	Frequency Used Hz	Included Washer O.D.	Included Bolt Size	Body Color	Unit Price	
GELB	1101	11	7	4	3	3.5	6	0.5		0.49~1.77 (0.05~0.18)	10.59 (1.08)	-	80	At 0.05kg: 90 At 0.18kg: 60	Ø12	M3x12	Milky White		
	1401	14	9	5	3	4	7	1		1.18~6.08 (0.12~0.62)	26.18 (2.67)	-	50	At 0.12kg: 95 At 0.62kg: 50	Ø15	M3x15	Milky White		
	1402	14	9	5	3	4	7	1		6.08~9.81 (0.62~1.00)	56.68 (5.78)	30	-	At 0.62kg: 70 At 1.00kg: 55	Ø15	M3x15	Light Green		
	2501	25	14	6	4	5	6.5	11	1		9.81~36.77 (1.00~3.75)	86.59 (8.83)	30	-	At 1.00kg: 70 At 3.75kg: 35	Ø25	M4x20	Milky White	
	2502	25	14	6	4	5	6.5	11	1		36.77~78.45 (3.75~8.00)	170.15 (17.35)	50	-	At 3.75kg: 40 At 8.00kg: 25	Ø25	M4x20	Light Green	

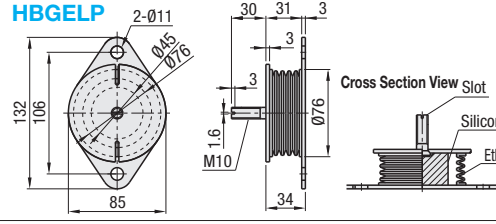
Recommended frequency varies depending on the condition of load. Penetration: JIS K2207, Asker C: JIS S6050 See P391 kgf=Nx0.101972



**Antivibration Gel Rubber Covered Type**

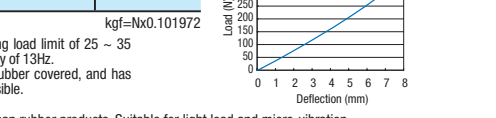
**RoHS 10**

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



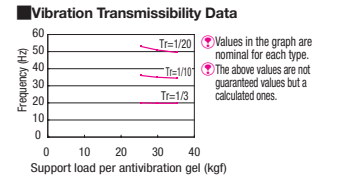
**HBGELP**

**Load Deflection Data** HBGELP300 Load Deflection Measurement

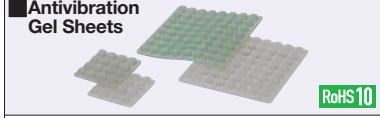


**Vibration Transmissibility Data**

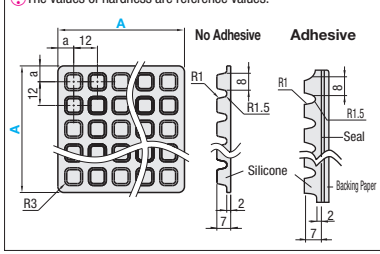
Material Main Body: Silicone  
Coating: EPDM Synthetic Rubber  
Attaching Portion: SUS304 Equivalent  
Accessory: Hex Nut: SUS304 Equivalent  
Spring Washer: SUS304 Equivalent  
1 pc. each



Silicone vibration absorber with longer fatigue life than rubber products. Suitable for light load and micro-vibration.



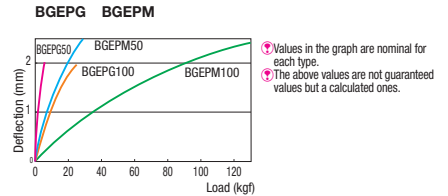
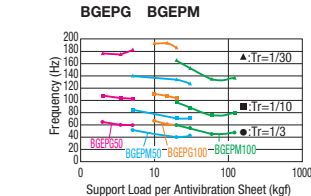
Type	Material	Hardness
No Adhesive	Silicone	Asker C: 30
Adhesive	Silicone	Asker C: 55



Type	A	a	Proper Load N (kgf)	Deflection Characteristic N/mm (kgf/mm)	Frequency Used Hz	Protrusion	Color	Unit Price
No Adhesive	50	7	19.6~49 (2~5)	22 (2.25)	40~	4x4=16 pcs.	Milky White Light Green	No Adhesive
Adhesive	50	7	49~294 (5~30)	93 (9.5)				
No Adhesive	100	8	98~196 (10~20)	98 (10)	40~	8x8=64 pcs.	Milky White Light Green	Adhesive
Adhesive	100	8	196~1225 (20~125)	431 (44)				

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) 14.5N/25mm Width (When affixed to SUS304)  
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 75µm PET film base material. Oil may ooze out to the backing paper.

**Ordering Example** Part Number BGEPS50



**Properties**

Material	Weather Resistance	Water Resistance	Oil Resistance	Ozone Resistance	Operating Temp. Range
Silicone	○	○	△	△	-40 ~ 200°C
Natural Rubber	△	△	×	×	-30 ~ 60°C
Chloroprene Rubber	○	○	○	○	-20 ~ 70°C

○ = Excellent △ = Good × = Poor  
\*Silicone is an artificial compound made from Silicon.

**How to Mount**  
-Attach so that load is applied evenly.  
-Antivibration Gel products are to be used for vertically oriented loads only. Install BGELP and BGELA bushings with the small diameter ends facing up.  
-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 and Rubber are designed to be used in compression.

