



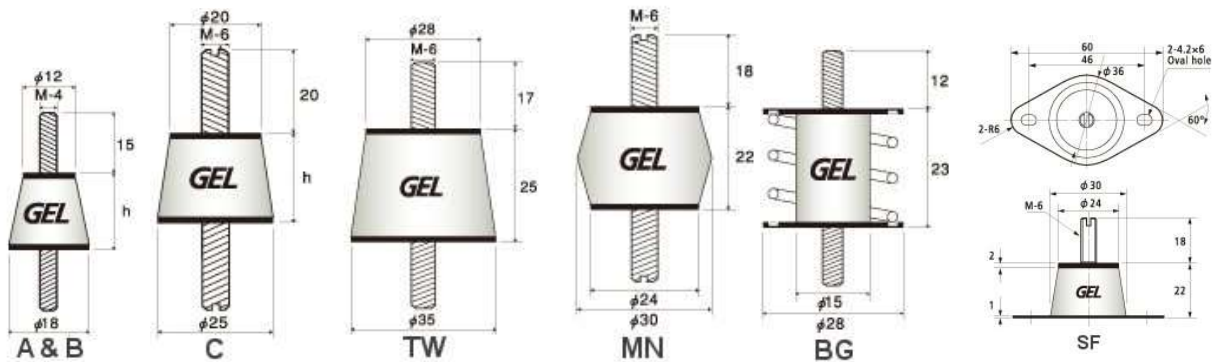
SOFT SILICONE GEL STUD MOUNTS



FEATURES

- Ideal for low frequency and micro vibration.
- Low resonance point.
- Suited for load range 1-100kg (set of four mounts)
- Temperature range: -40°C to +200°C

The simply designed silicone isolators support the product and effectively isolates vibrations. Combining softness and durability, the silicone stud mounts show exceptional damping functionality for low to high frequency vibrations, making them far superior to rubber. They absorb low frequency vibrations where traditional rubber dampers are not effective.



Part No.	Shape	Optimum Load (kg/ 4 legs)	Height	Top Plate Dia	Bottom Plate Dia.	Pin Length	Gel Dia	Screw Thread	Resonance Point (Hz)	Resonance Magnification (db)	Gel Type
THETA - A		2.0 to 3.2	12mm	12mm	18mm	15mm	18mm	M4	16 to 15	12	1
THETA - B		1.6 to 2.4	18mm	12mm	18mm	15mm	18mm	M4	13 to 11	13 to 12	1
THETA - C		3.2 to 8.0	18mm	20mm	25mm	20mm	25mm	M6	14 to 12	13 to 12	1
MN 3		8 to 14	22mm	24mm	24mm	18mm	30mm	M6	12 to 10	12	6
MN 5		14 to 22	22mm	24mm	24mm	18mm	30mm	M6	11 to 10	14 to 13	6
MN 7		22 to 34	22mm	24mm	24mm	18mm	30mm	M6	11 to 10	16 to 15	6
MN 10		34 to 50	22mm	24mm	24mm	18mm	30mm	M6	11 to 10	20 to 18	6
THETA - TW		50 to 100	25mm	28mm	35mm	17mm	35mm	M6	10 to 8	20 to 19	8
BG 7		3.2 to 6.4	23mm	28mm	28mm	12mm	15mm	M3	10 to 8	14 to 14	5
BG 8		6 to 16	23mm	28mm	28mm	12mm	15mm	M6	10 to 8	18 to 16	5
SF 2		5 to 13	22mm	24mm	30mm	18mm	30mm	M6	15 to 10	12 to 13	6
SF 5		13 to 30	22mm	24mm	30mm	18mm	30mm	M6	13 to 9	15 to 16	6
SF 10		30 to 50	22mm	24mm	30mm	18mm	30mm	M6	12 to 9	20 to 21	8

Gelmecc UK

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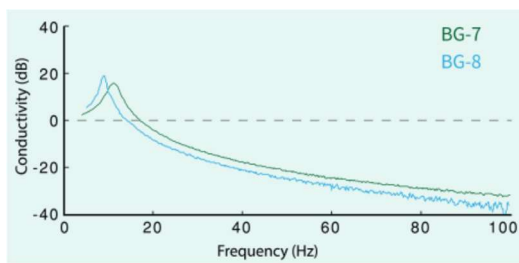
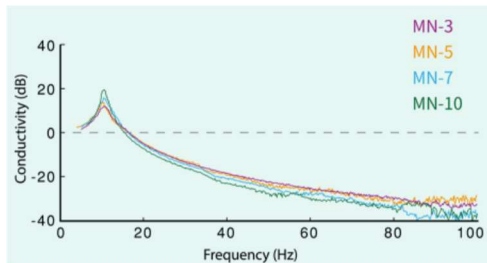
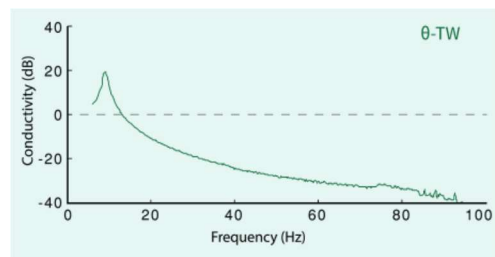
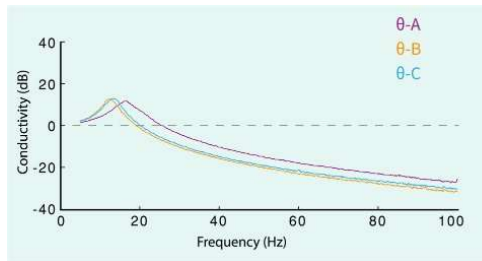
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Material Properties

Gel Type / Unit		1	7	5	6	8	Remark
Appearance		Translucent	Translucent	Translucent	Translucent	Translucent	-
Hardness	Needle Penetration (1/10mm) (1)	-	100	55	-	-	JIS K 2207
	Asker C(2)	6 – 12	-	-	33	52.5	SRIS 0101
Shore A Equivalent (appx)		-	10	14	20	28	-
Specific Gravity		1.00 – 1.06	1.06	1.05	1.06	1.07	-
Tensile Strength		1.0	0.23	1.17	1.58	2.35	JIS K 6251
Elongation %		800	480	710	480	300	JIS K 6251
Young Modulus (kPa)		156.2	37.5	119.5	670.3	1432.6	-
Specific Heat (j/g.K)		1.5	1.51	1.52	1.51	1.52	DSC
Thermal Conductivity (W/m.K)		0.80	0.20	0.20	0.20	0.20	-
Specific Volume Resistance Ratio (Ohms-cm)		5.0 * 10 ¹²	2.9 * 10 ¹⁴	4.0 * 10 ¹⁴	4.0 * 10 ¹⁴	6.6 * 10 ¹⁴	JIS K 6911
Dielectric Breakdown Strength (kV/m)		20.0	16.3	15.1	18.4	18.7	JIS K 2110
Chemical Resistance	Toluene	X	X	X	X	X	JIS K 6258 Room Temp x 168h
	Acetone	X	X	X	X	X	
	Methanol	O	O	O	O	O	
	Distilled H ₂ O	O	O	O	O	O	
	Fuel	X	X	X	X	X	
	Lubricant	X	X	X	X	X	
	NaCl (10%)	O	O	O	O	O	
	HCl (10%)	O	O	O	O	O	
Normal Temperature Range (°C)		-40 to 200	-40 to 200	-40 to 200	-40 to 200	-40 to 200	-



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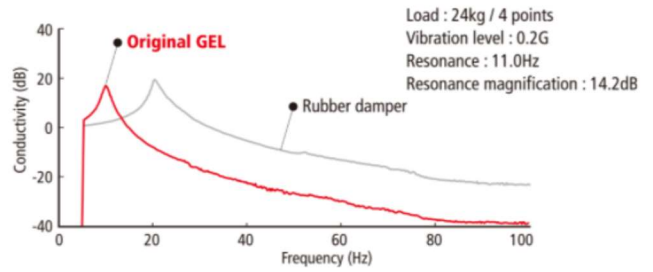
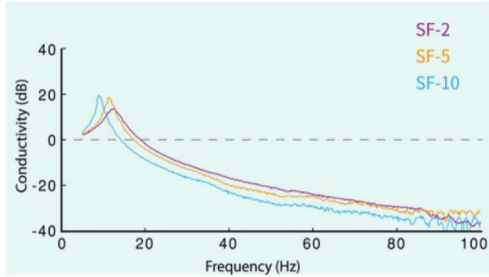
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Part Number	Recommended Frequency (Hz)
Theta-A	23 ~
Theta-B	18 ~
Theta-C	20 ~
Theta-TW	14 ~
MN-3	17 ~
MN-5	16 ~
MN-7	16 ~
MN-10	16 ~
BG-7	14 ~
BG-8	14 ~
SF-2	22 ~
SF-5	19 ~
SF-10	17 ~

NOTES ON USE

- Always use stud mounts in compression and never in shear direction.
- Ensure that load is distributed evenly and bolt holes are not misaligned.
- The height of the stud mount may vary as it is compressed under load.
- The direction of the slot on the head of the stud is not controlled.
- Do not twist.

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