

SHOCKLESS HOLD DOWN RELEASE ACTUATOR

TRL 9

HIGH-PERFORMANCE SMART ACTUATOR
FOR SPACE APPLICATIONS

✔ Auto-resettable

✔ Shockless

✔ Compact

✔ Lightweight

✔ Flat

✔ Reliable

✔ Non explosive



info@nimesis.com

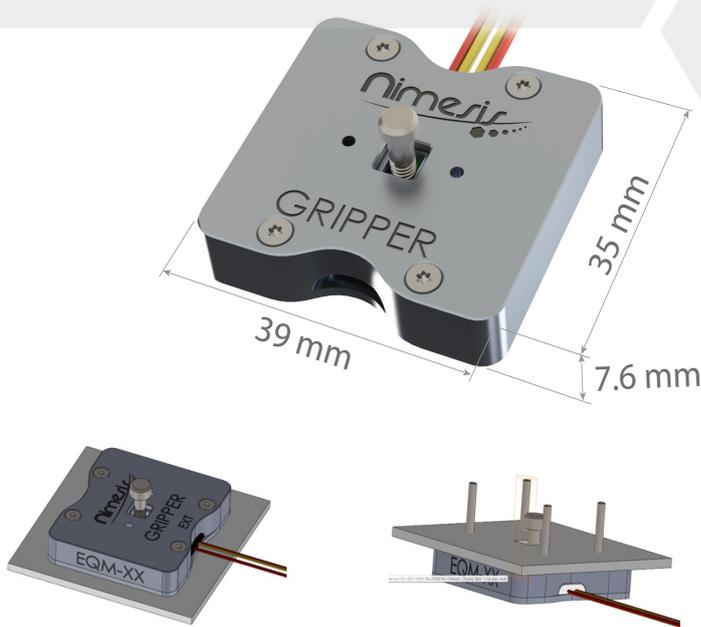


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GRIPPER shockless actuator provides an efficient solution for the locking / unlocking, release of space mechanisms.



OVERVIEW

- Compatible with a wide range of satellites and space systems
- Shockless actuation
- No variation of size between armed and actuated position
- Qualification temperature range : from -120°C to +120°C
- Auto-resettable w/o MGSE

FEATURES

- SMA component (Shape Memory Alloy: CuAlNi)
- Nut M3 compatible with ISO M3 x 0.5 - 6g fastener
- Max length of fastener: 100mm
- Customizable tie rod

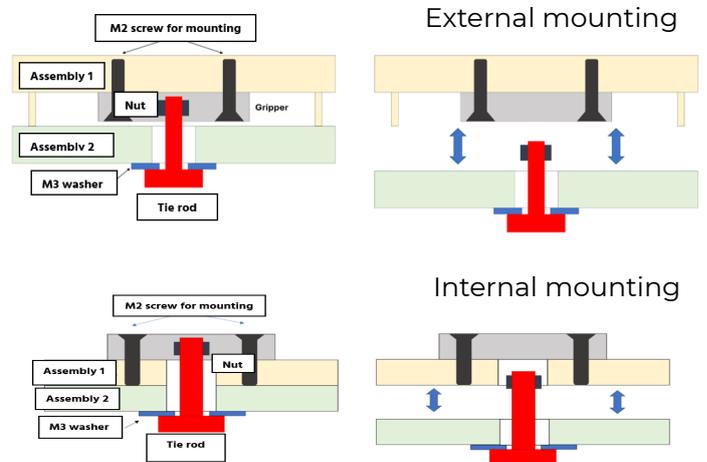
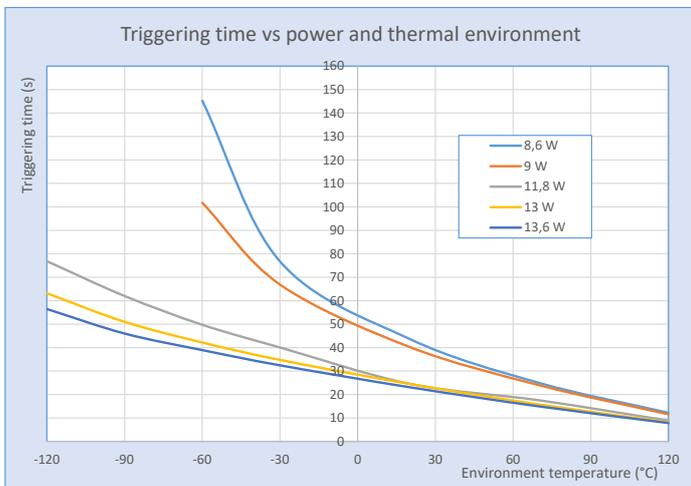
TECHNICAL DATA

Customization on demand



GRIPPER can be mounted on the outside of the satellite (perfectly suited for cubesats)

	GRHT03-0008	GRHT03-0012
Maximal axial preload (N)	1200 (1500 in qualification)	1200 (1500 in qualification)
Mass (g)	< 40	< 40
Resettable In Situ	Up to 10 cycles	Up to 10 cycles
Operational temperature range	[-120°C ; +120°C]	[-120°C ; +120°C]
Actuation time	From 10s to 300s	From 10s to 300s
Voltage range (V)	7 to 8.4V 14 to 16.8V	12V
	Non Regulated Bus	Regulated Bus
Current (A)	1 to 2A 0.5 to 1A	0.5 to 1A
Power (W)	min 7.4W max 16.5W	max 16.5W



Test report on demand

GRIPPER developed with



GRIPPER

