



SHOCKLESS HOLD DOWN RELEASE ACTUATOR

HIGH-PERFORMANCE SMART ACTUATOR
FOR SPACE APPLICATIONS

**TRL 8
Qualified**

✓ **Auto-resettable**

✓ **Shockless**

✓ **Compact**

✓ **Lightweight**

✓ **Flat**

✓ **Reliable**

✓ **Non explosive**



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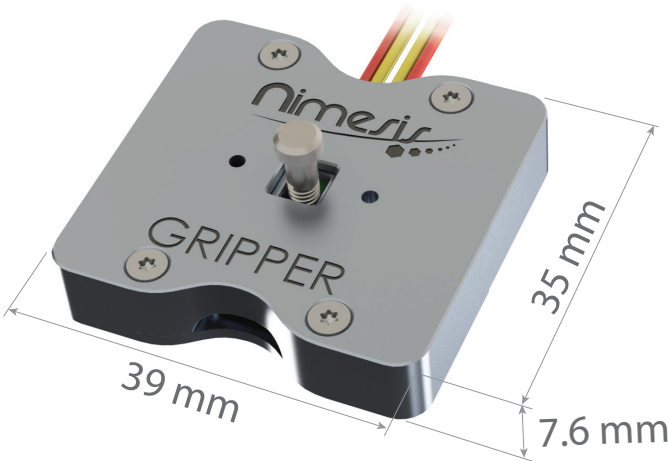


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GRIPPER shockless actuator provides an efficient solution for the locking / unlocking, release of space mechanisms.



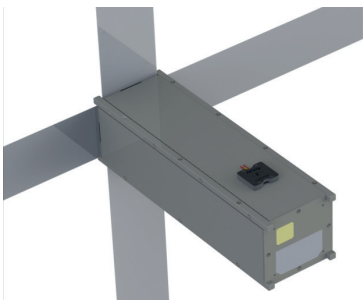
OVERVIEW

- 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

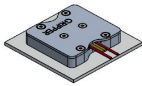
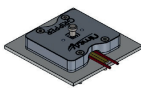
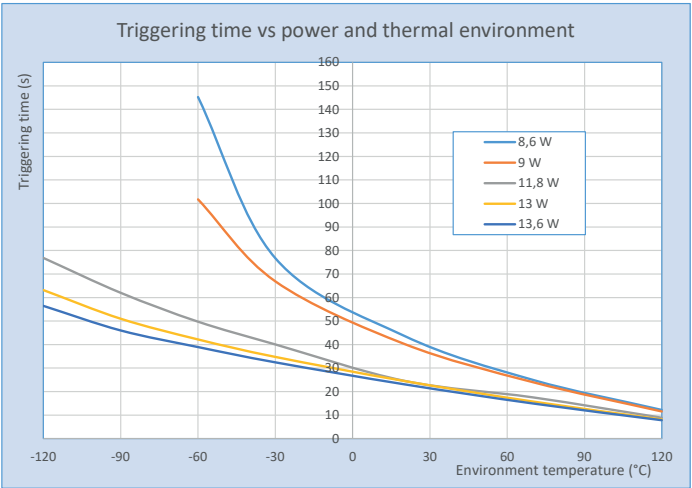
TECHNICAL DATA



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


Customization on demand

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



Several integrations are available

Test report on demand

GRIPPER developed with 

GRIPPER