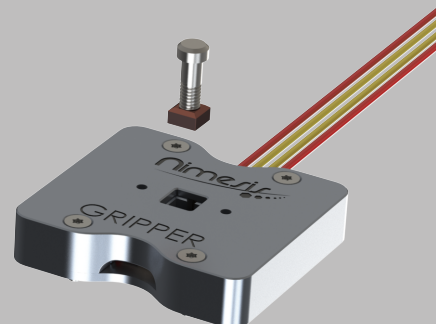
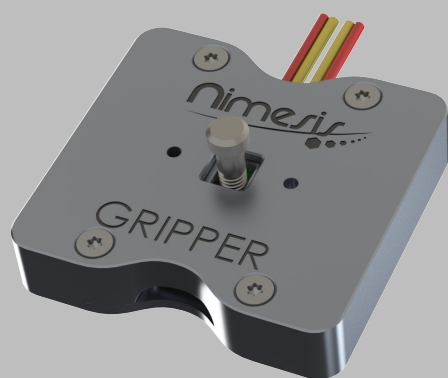




GRIPPER



SHOCKLESS HOLD DOWN RELEASE ACTUATOR

HIGH-PERFORMANCE SMART ACTUATOR
FOR SPACE APPLICATIONS

✔ Resettable In Situ

✔ Shockless

✔ Compact

✔ Lightweight

✔ Flat

✔ Reliable

✔ Non explosive



info@nimesis.com

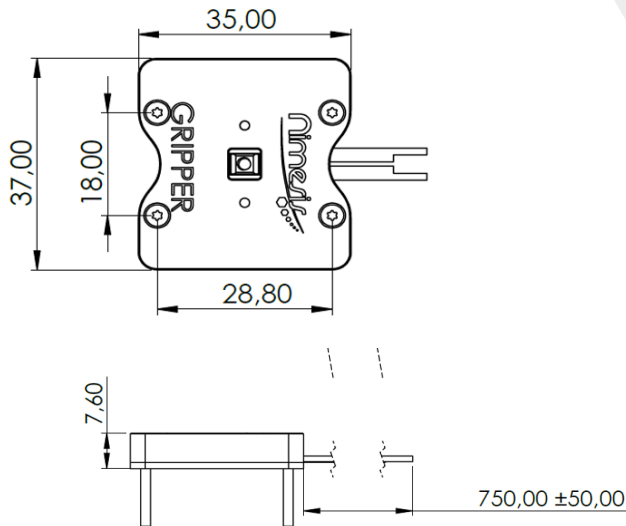


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GRIPPER shockless actuator provides an efficient solution for the locking / unlocking, release of space mechanisms.



OVERVIEW

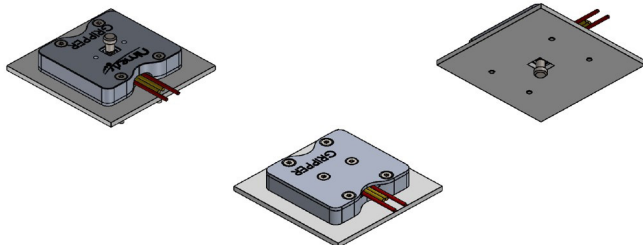
- Compatible with a wide range of satellites and space systems
- Shockless actuation
- No variation of size btw armed and actuated position
- Operational temperature range: from -80°C to +120°C
- Auto-resettable w/o MGSE

FEATURES

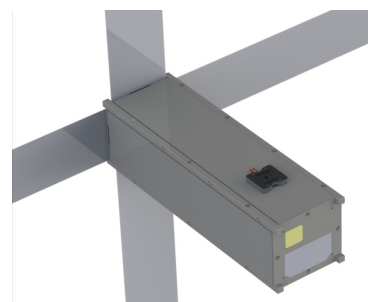
- SMA component (Shape Memory Alloy: CuAlNi)
- Release nut M3
- Max length of fastener: 25mm
- Nut compatible with ISO 261-262-965 M3 x 0,5 - 6g fastener (max length TBD)

TECHNICAL DATA


Maximal axial preload (N)	1100
Mass (g)	< 30
Resettable In Situ	Up to 10 cycles
Operational temperature range	[-80°C ; +120°C]
Actuation time	From 30s to 300s
Voltage (V)	2 configurations: 8V or 32 V
Current (A)	0,8 A to 1,5 A
Power (W)	5,6 W to 12,5 W



several integrations are available



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

GRIPPER developed with 

GRIPPER

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