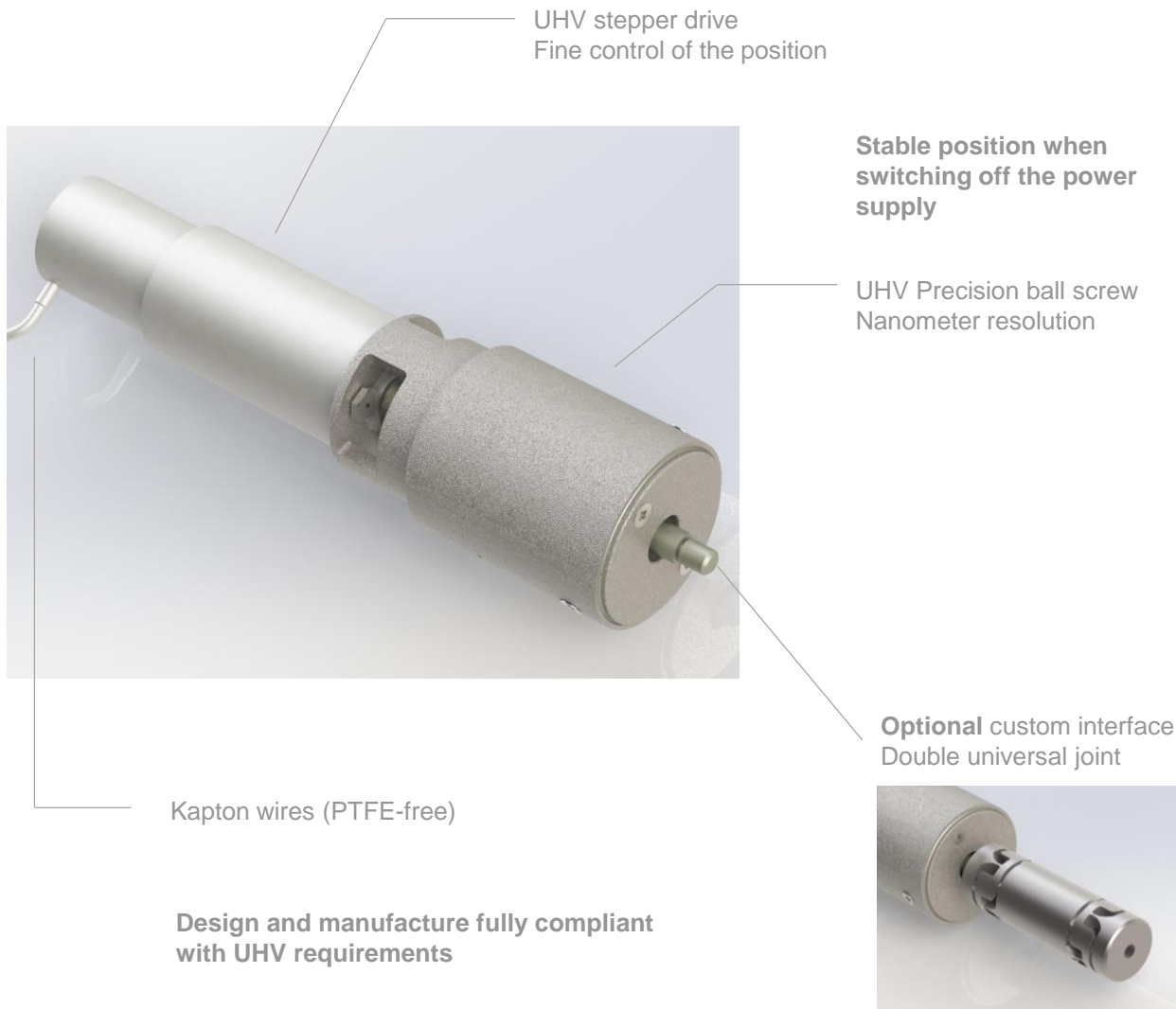


## UHV linear actuators | AC-300 & AC-600

Compact, accurate and high load capacity linear actuators dedicated to UHV and/or radiation environment applications



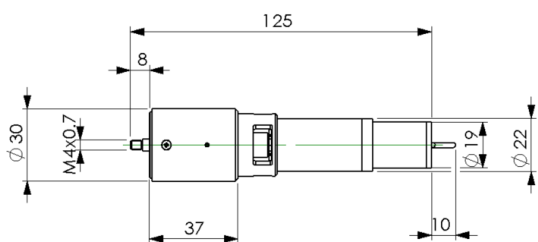
# UHV linear actuators | AC-300 & AC-600

Technical specifications	AC-300	AC-600
Range	± 3 mm	± 10 mm
Max. thrust (push/pull) @ 48VDC and 1000 full steps/s	300 N	600 N
Min. incremental step	20 nm	18 nm
Motor type	2-phase stepper 0.6 A / 2.1 Ω / 0.85 mH per phase	2-phase stepper 1.2 A / 1.25 Ω / 1.2 mH per phase
Hard stop   End travel switch	Yes   Option <sup>(1)</sup>	Yes   Option <sup>(1)</sup>
Weight	470 g	1550 g
Electrical interface	2 m long free ended Kapton wires <sup>(2)</sup> (2 wires per phase + 2 for built-in type K thermocouple)	

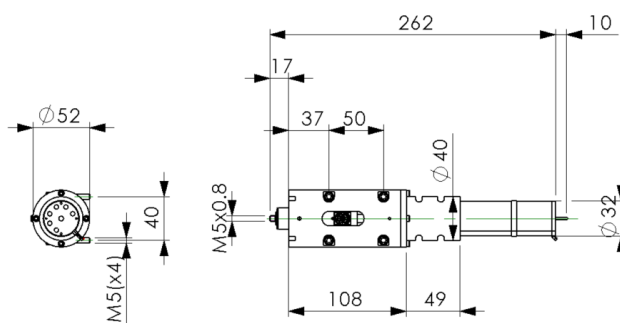
<sup>(1)</sup> contact us for defining the integration of the switches

<sup>(2)</sup> specific cable length and/or connector can be quoted optionally

## Interfaces



AC-300



AC-600

### Notes:

- Radial output for the electrical wires can be proposed alternatively, upon request.
- AC-600 mechanical fixation is done via the 4x M5 screws
- AC-300 mechanical fixation is done by clamping on the Ø30 mm

## Options

- HV ( $10^{-6}$  mbar) or UHV ( $10^{-10}$  mbar) environment
- End travel switches
- Interface with double universal joint for actuating rotation stages (up to ± 30 mrad in two directions) or for managing radial misalignment

