

COMPACT MICRO-POSITIONING STAGE µTMP 16-1560-10

DATASHEET ISP13A666FP0007-A

Update: 25/09/2015



Non contractual photo

μTMP ensure high precision motion of equipment, part or sample....

1 - Description

μTMP 16-1560-10 is equipped with a crossed roller bearings providing, in a minimal footprint, good stiffness and high precision...

The motion is operated by an irreversible screw-nut system with backlash compensation.

An optical sensor (end of travel) enables to recover an absolute position.

A stepper motor enables to combine precision, torque and speed.

The stages are compatible with vacuum use (10⁻⁶ mbar maximum). In this version the stage has an untreated aluminum color (no black anodization)

UHV (10-8mbar max) version is possible as an option. Following grease and materials are adapted to reduce outgassing:

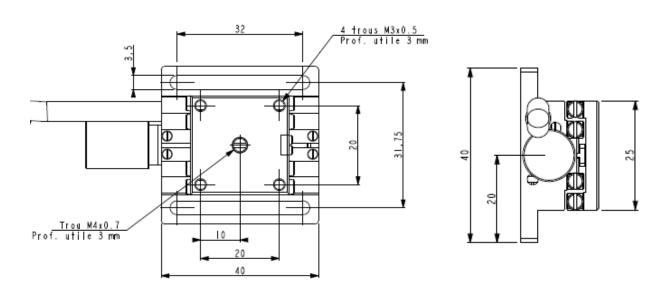
- Lubrication (motor, screw-nut, bearings)
- Epoxy glue
- Cable PTFE
- Screw and bolts steel

2 - Technical Specifications

CHARACTERISTIC (without options)	SPECIFICATIONS
Stroke	16 mm
Resolution	1.56 µm / pas
Repeatability	< 3 µm
Speed	1.5 mm/s
Payload	10 N
Hybrid Stepper motor	
Polarized and irreversible board	
Optical sensor	
Black anodized aluminum finishing	

3 - Dimensions : (drawing)

Grease and materials compatible with vacuum



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