

ESRF Micro-jack

The ESRF fixed-head micro-jack is a compact, high-precision motorised linear actuator. A stepper motor drive and backlash-free multi-stage reduction gear head, associated with a high-quality fine-pitch drive screw, guarantees high-load capacity whilst maintaining excellent resolution and precision.

These characteristics, combined with excellent thermal stability properties and a non-rotating tip, make the ESRF fixed-head micro-jack the ideal choice for use in critical opto-mechanical positioning applications where space is restricted and high load capacity is required.

- ◆ High load capacity
- ◆ Excellent thermal stability
- ◆ Vacuum compatible



Characteristics

Description	Units	Value
Nominal travel range	mm	10
Axial load capacity	N	70
Resolution	nm	70
Precision over travel range	μm	2
Repeatability	nm	150
Backlash	μm	0
Outside diameter	mm	16
Overall length	mm	100