

Piezoelectric · Linear Motion – AutoScrew.LR

Piezoelectric motion@RT solutions – “AutoScrew Series” Optical frame adjuster

Piezo-Linear Stage with compact shape and no compromise on power performance; while guaranteeing a premium price space.

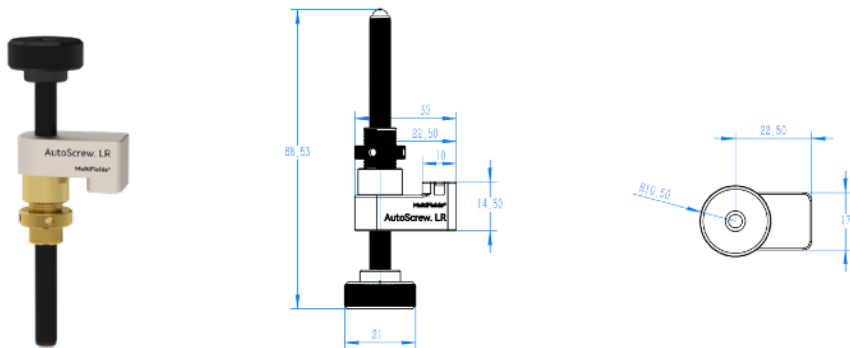


AutoScrew.LR

Product Features

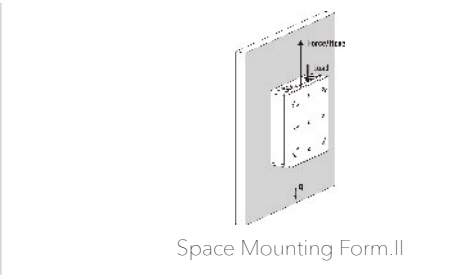
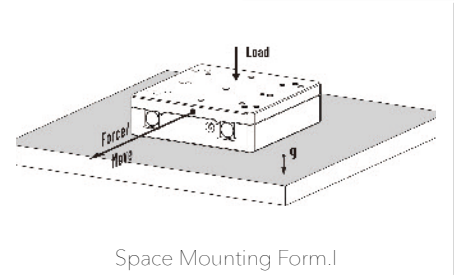
- Holding force 100 N, feeding force 20 N.
- Earliest pace 20 nm
- Max. travel 6 mm
- Self-locking at stop, no heat generation
- Threads compatible with standard frame threads
- Controller compatible with **MultiFields®** Motion Controller - **Newton Series**

2D - Dimensional drawing



AutoScrew.LR Optical frame adjuster – Specification

Optional Versions ⇨		Default	.HV		
.NM version, non-magnetic; .HV version, high vacuum;					
1	Bottom size * height	65 × 65 mm × 12 mm			
2	Main Material	Stainless Steel	Stainless Steel		
3	Cables & Connectors	Standard shielded cable D-Sub 9 Connector	Kapton enameled Wire, PEEK-2mm Pin		
Motion parameters - space recommended mounting form I. (The following properties are measured in the recommended installation form)					
4	Travel	6 mm			
5	MAX. Velocity	0.5mm/min, MAX. 2 mm/s			
6	Max. Step	Typical 10 nm, MAX. 50 nm			
7	Drive Frequency	MAX. 2 kHz, Typical 350 Hz			
8	Active thrust	20 N			
9	Holding Force	100 N			
10	Max. Lateral Force	1 N			
Motion parameters - space recommended installation form II. (The following properties are measured in the recommended installation form)					
11	Maximum Vertical Load	2 N			
12	Holding Force	5 N			
Other					
13	Operating temperature	10 - 40 °C			



Piezoelectric · Linear Motion – AutoScrew.Nano

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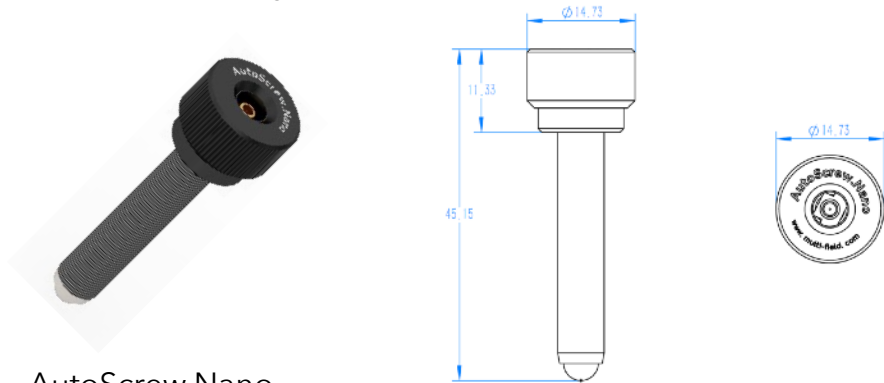


AutoScrew.Nano.Set

Product Features

- Sub-nanometer motion response
- High-speed correspondence 10 kHz
- Maximum travel of 40 um, compatible with **MultiFields®** beam stabilization product BeamStabilizer
- Controller compatible with **MultiFields®** Motion Controller - **Archimedes Series**
- Ultra-high vacuum compatible, non-magnetic field compatible

2D - Dimensional drawing



AutoScrew.Nano