

# MacroMech™ Side Driven Linear Stages

- 50 mm (2 inch) travel side driven stages
- Precision pre-loaded ball bearing slides
- Tracking accuracy 4 μm
- 1/4-20 (M6) hole pattern



## Motorization

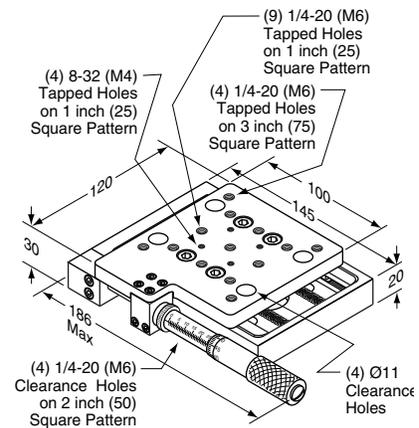
MacroMech side driven stages can be motorized by replacing the micrometer with a MotorDriver or EncoderDriver.

## Specifications

**Range of Travel:** 50 mm (2 inch)  
**Minimum Incremental Motion -**  
 Micrometer Actuator: 1 μm  
 MotorDriver Actuator: 0.1 μm  
 EncoderDriver Actuator: 0.05 μm  
**Tracking Accuracy:** 4 μm  
**Reading Accuracy:** 1 division = 10 μm (on micrometer version)  
**Load Capacity -**  
 Horizontal: 12 kg  
 Vertical: 4 kg

**Weight (with micrometer):** 1 kg (2.2 lb)  
**Hole Pattern:** M6 on 50 mm sq. or 1/4-20 on 2 inch sq.  
**Construction:** One piece aluminum body, steel precision ground slides and stage with aluminum top plates.

MacroMech™ 50 mm Side Driven Linear Stages are supplied with a high quality micrometer which is clearly marked for 0.01 mm accuracy over the full 50 mm of travel (1/2 division is equal to 5 μm). The micrometer drive can be easily removed from the stage by releasing a small allen screw in the base of the stage body. It can then be replaced with either a MotorDriver™ Actuator or EncoderDriver™ Actuator for more accurate motorized positioning control.



**74-3216/61-3216**

MacroMech™ Side Driven Linear Stage, 50 mm Travel

MacroMech side driven linear stages are available with metric or inch hole patterns.

## Side Driven Linear Stages (Metric)

Catalog Number	Description
74-3216	MacroMech Side Driven Linear Stage, 50 mm Travel, Micrometer Drive, Metric Hole Patterns
37-0023	50 mm Travel MotorDriver Actuator

## Side Driven Linear Stages (Inch)

Catalog Number	Description
61-3216	MacroMech Side Driven Linear Stage, 2 inch Travel, Micrometer Drive, Inch Hole Patterns
37-0023	50 mm Travel MotorDriver Actuator

Optics

Lenses

Mirrors & Beamsplitters

Prisms & Polarizers

Filters

Pinholes

Opto-mechanics

Breadboards & Rails

Mounting Hardware

Mirror & Component Mounts

Manual Micro Positioners

Motorized Positioners