

Microslide Series

Newmark's **Microslide** series linear stages offer high performance in a small package.

Microslide stages are designed for space limited applications and can be configured in compact multi-axis assemblies. The **Microslide** linear stages offer very high resolution when driven by the NSC-1S or NSC-M controllers.

All **Microslide** series stages are machined from 6061 aluminum alloy to provide a light and stable construction.

For more reliability and durability, the guide rods, leadscrew and switches are protected by a strong aluminum cover.

The use of linear guide rod bearings provide a smooth motion. Since the carriage is supported over the entire travel of the stage, a good cantilevered load capacity can be achieved.



XYZ, XY and Z configurations available.



The Microslide weighs less than a pound.

Separate connectors for motor power and limit switch signals are provided for ease of operation. Integrated limit switches and a high torque size 17 stepper motor are supplied as standard items.

MOTION CONTROLLERS

For optimum performance and seamless compatibility, we recommend using one of the following Motion Controllers/ Drivers.



NSC-1S Series

Single Axis Stepper Motor Controller



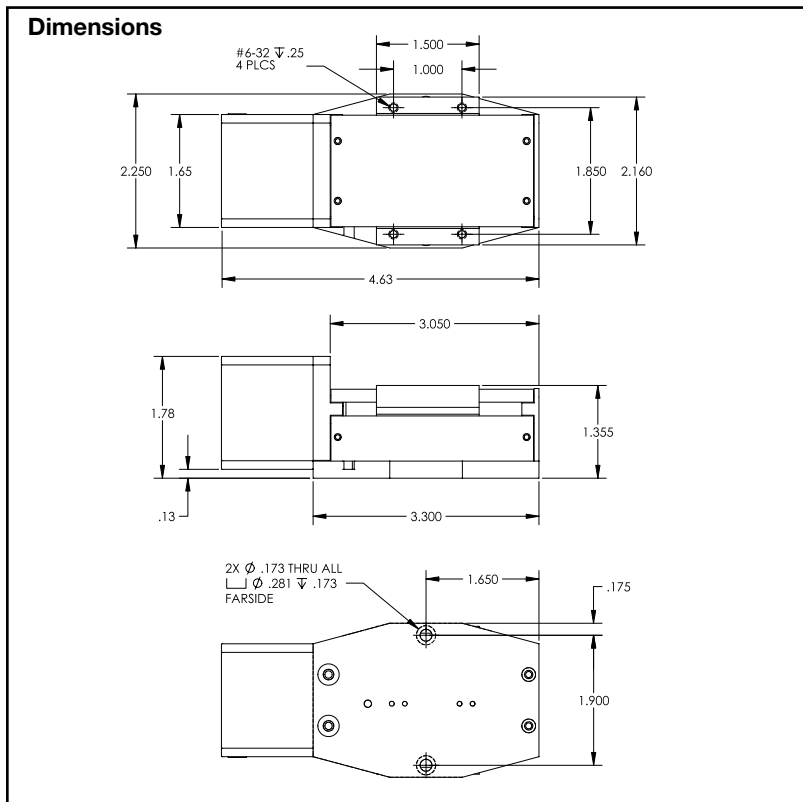
NSC-M Series

Multi Axis Stepper Motor Controller

For more information on our controllers call us at 949-830-0621 or visit our website at www.newmarksystems.com

Microslide Series Specifications

Base Model		
Travel	1 inch	
Resolution	0.02 μm (Microstepping)	
Max. Travel Speed	0.4 inches/second	
Max. Load	Horizontal	5 lbs
	Vertical	7 lbs
	Side	2 lbs
Repeatability	5 μm	
Stage Weight	1 lb	
Material	Aluminum	
Finish	Black Anodize	



Motor Connection

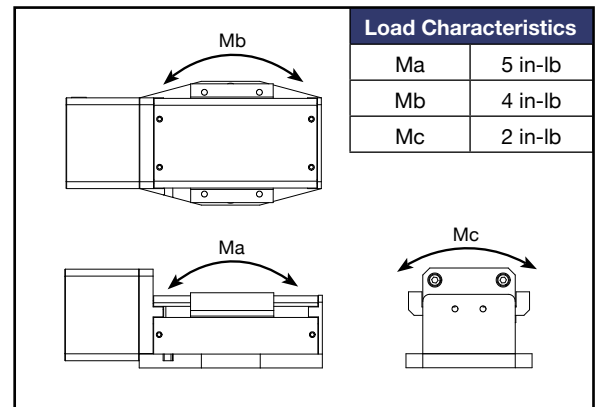
Molex 43025-0600	Description
1	Phase A
2	Phase A'
3	Phase B
4	Phase B'
5	A Center Tap
6	B Center Tap

Mates with Molex connector 43020-0601. Use with Molex terminal pin 43031.

Limit Connection

Molex 43025-0400	Description
1	Positive Limit
2	Negative Limit
3	Gnd Limit

Limit switches are wired normally open. Mates with Molex connector 43020-0401. Use with Molex terminal pin 43031.



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Newmark Systems, Inc is a worldwide leading designer and manufacturer of precision positioning systems for OEM applications as well as research and development for optical technologies. Newmark's products and expertise are increasingly utilized in sophisticated new technologies including semiconductor manufacturing and testing, and fiber optic communications.

Since 1995, Newmark Systems, Inc has consistently provided positioning equipment, motion control and optical solutions to a growing number of an elite group of industry leaders that includes names such as Hughes, Raytheon, Boeing, Textron, Intel, Lucent and Delphi.