

# **MCA-Series** X-Y Clear Aperture Mechanical Ball Stage

*Precision clear aperture X - Y stages*

*Vision System O.E.M.'s !*



ABTech, Inc. offers this open frame mechanical X-Y Ball Stage for use in **vision inspection** systems and other optical applications requiring a clear aperture design with precision repeatability of motion. Bi-directional position repeatability is  $\pm 0.0001$ "

ABTech's attention to detail through out manufacturing and assembly result in a superior performing mechanical bearing stage.

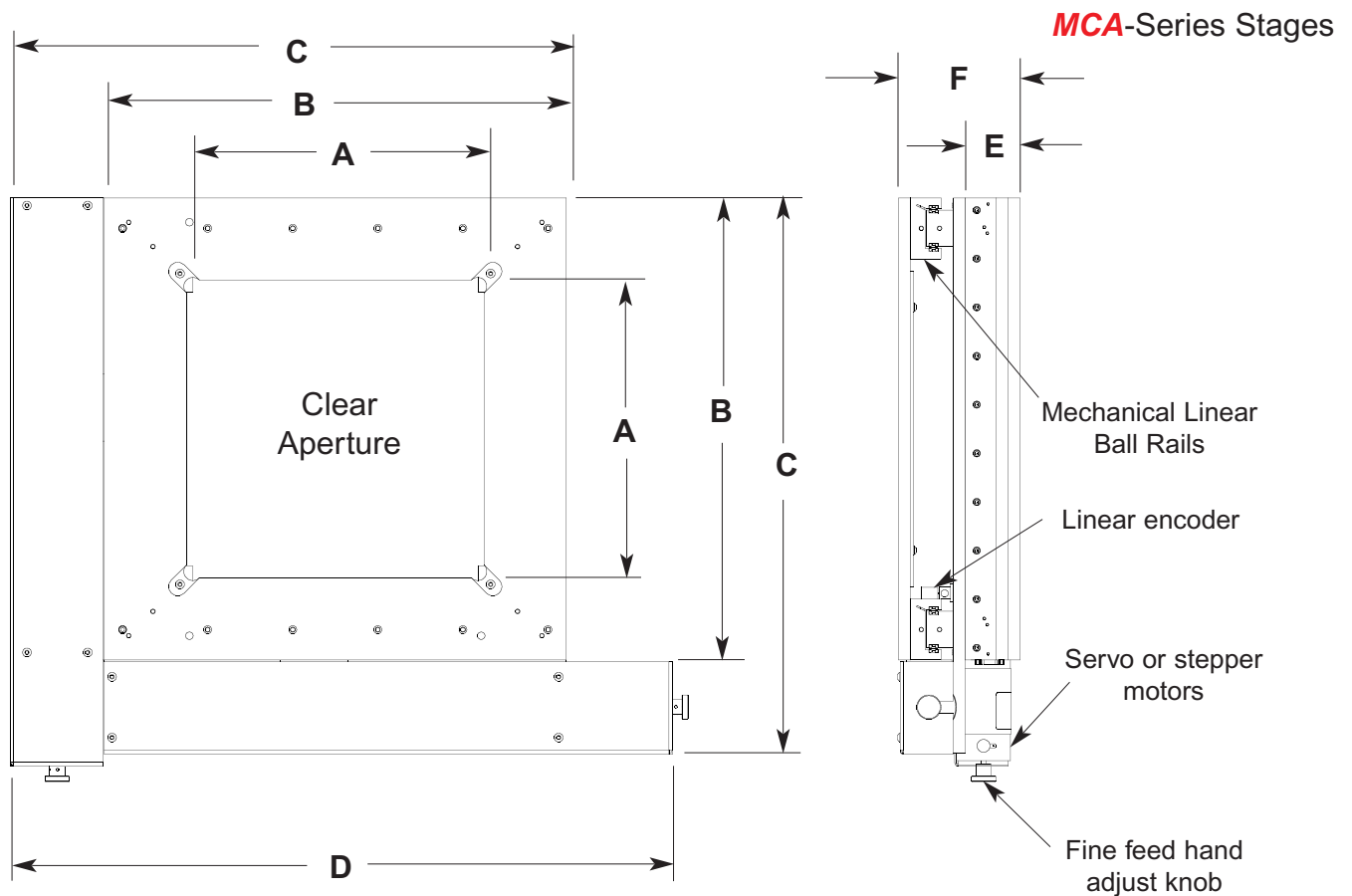
The **MCA** X-Y Stage is available in two basic travel sizes, 8.00" travel and 12.00" travel.

Addition sizes can be made available upon request.

## **Features:**

- Travels available in 8.00" and 12.00" as standard
- Bi-directional repeatability:  $\pm 0.0001$ "
- High load capacity and stiffness
- Precision ball screw drive
- Servo motor or stepper motors
- Linear or rotary encoders
- Drive amplifiers & controllers
- Modular design - custom systems can be provided for O.E.M.
- Complete machine bases in natural granite
- Air bearing slides available

# Specifications



**Model & Dimensions**

	MCA - 8	MCA - 12
Travel	8.00in. x 8.00in.	12.00in. x 12.00in.
A	8.25in.	12.25in.
B	15.00in.	19.00in.
C	18.75in.	22.88in.
D	22.50in.	27.50in.
E	2.12in.	2.12in.
F	5.25in.	5.25in.

Special sizes and configurations can be made available upon request. Consult ABTech's applications engineering for your specific linear motion requirements. Dimensions and specifications are subject to change without notification.

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**ABTech inc.**  
*Pride In Precision*  
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