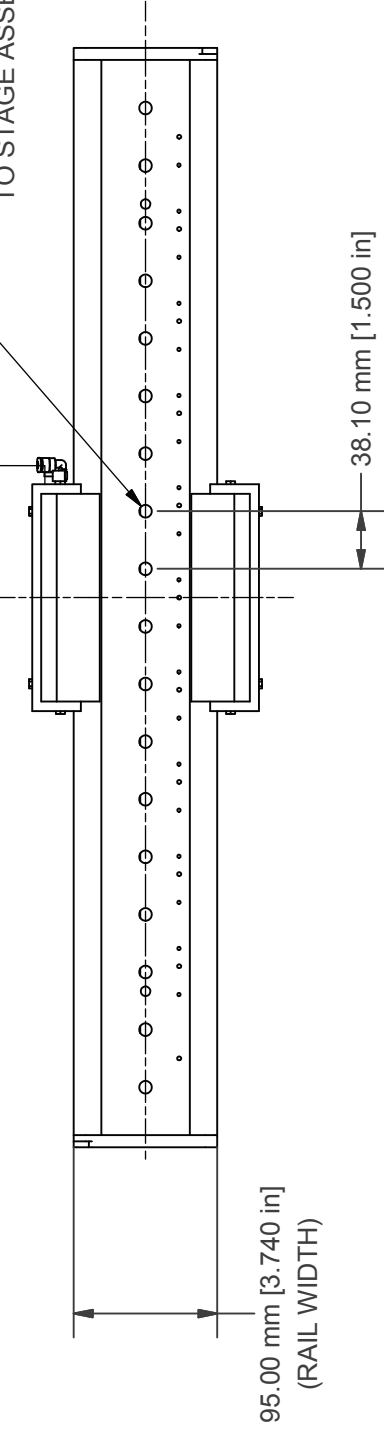


MOVING CABLE EXIT  
 (OPTIONAL TRACKLESS  
 CABLE ROUTING AVAILABLE)

STAGE MOUNT (QTY VARIES)  
 CLEARANCE HOLE FOR M8 SHCS  
 (ALIO TO MOUNT RAIL PRIOR  
 TO STAGE ASSEMBLY)



## STANDARD FEATURES

<b>Stage</b>	Dovetail Air Bearing Linear Stage
<b>Travel</b>	50mm to 800mm
<b>Max Payload</b>	30 kg
<b>Max Velocity</b>	2 m/sec
<b>Motor</b>	Ironless Core Linear Motor
<b>Feedback</b>	Non-Contact Optical Encoder
<b>Scale</b>	Gold Tape Scale Optional: Near Zero CTE ZeroMet
<b>Resolution</b>	1Vp-p Analog Output (5nm with 4096 Interpolation) Digital Output Options: 5um, 1um, 0.5um, 0.2um, 100nm, 50nm, 20nm**, 10nm**, and 5nm** (** Reduced Speeds Apply)
<b>Sensors</b>	Integrated Home and End of Travel Limits
<b>Bearings</b>	Porous Media Air Bearings
<b>Cables</b>	High Flex, 10M Cycle, 3m Length Optional: Trackless Cable Management System
<b>Structure</b>	Anodized Aluminum 6061-T6
<b>Base Structure</b>	Granite, Aluminum, or Steel
<b>Environment</b>	Designed per System Requirements
<b>Temperature</b>	Standard
<b>Humidity</b>	0°C to 50°C
<b>Precision</b>	10% to 80% Non-Condensing 6-D Nano Precision™ Test Methods

TRAVEL	LENGTH
50	270
100	320.8
150	371.6
200	422.4
300	524
400	625.6
500	727.2
600	828.8
800	1032

\* All units millimeters unless otherwise noted.  
 \* All hole patterns centered on stage carriage.  
 \* Custom and intermediate sizes available.

ALIO INDUSTRIES PROPRIETARY INFORMATION  
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TITLE

**AI-LM-(TRAVEL)00-AB**

SIZE DWG NO

**0010-08016**

REV 001

FINISH SEE NOTES

SCALE

ALIO STD TEMPLATE - REV 006 SHEET 1 OF 1

NOTE: MODEL AI-LM-50000-AB SHOWN.

NOTE: XY CONFIGURATIONS AVAILABLE.