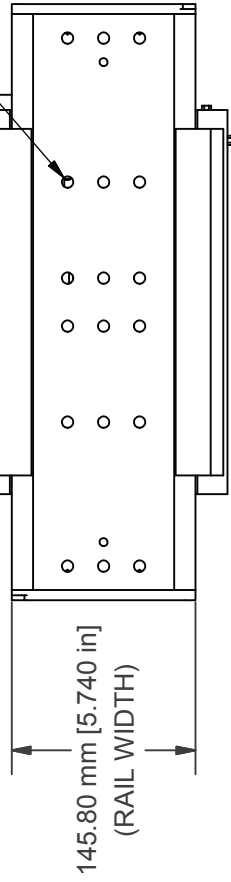


ALIO PROVIDES ALUMINUM, STEEL, OR GRANITE BASE PLATE PER SPECIFICATIONS AND TRAVEL.

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)



TRAVEL	LENGTH
100	473.2
150	524
200	574.8
300	676.4
400	778
500	879.6
600	981.2
800	1184.4
1000	1387.6

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

STANDARD FEATURES

Stage	Dovetail Air Bearing Linear Stage
Travel	100mm to 1000mm
Max Payload	60 kg
Max Velocity	2 m/sec
Motor	Ironless Core Linear Motor
Feedback	Non-Contact Optical Encoder
Scale	Gold Tape Scale
Resolution	Optional: Near Zero CTE ZeroMet 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)
Sensors	Integrated Home and End of Travel Limits
Bearings	Porous Media Air Bearings
Cables	High Flex, 10M Cycle, 3m Length Optional: Trackless Cable Management System
Structure	Anodized Aluminum 6061-T6
Base Structure	Granite, Aluminum, or Steel
Environment	Designed per System Requirements
Temperature	Standard
Humidity	0°C to 50°C
Precision	10% to 80% Non-Condensing 6-D Nano Precision™ Test Methods

A

DRAWN	5/12/2012	
NBROWN		
CHECKED		
TITLES		
AI-LM-(TRAVEL)00-AB8		
SIZE	DWG NO	REV
B	0010-08017	001
FINISH SEE NOTES		
SCALE	ALIO STD TEMPLATE - REV 006	SHEET 1 OF 1



ALIO INDUSTRIES PROPRIETARY INFORMATION
(Tel) 303.339.7500 - SALES@ALIOINDUSTRIES.COM - WWW.ALIOINDUSTRIES.COM

NOTE: MODEL AI-LM-10000-AB8 SHOWN.

NOTE: XY CONFIGURATIONS AVAILABLE.

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