

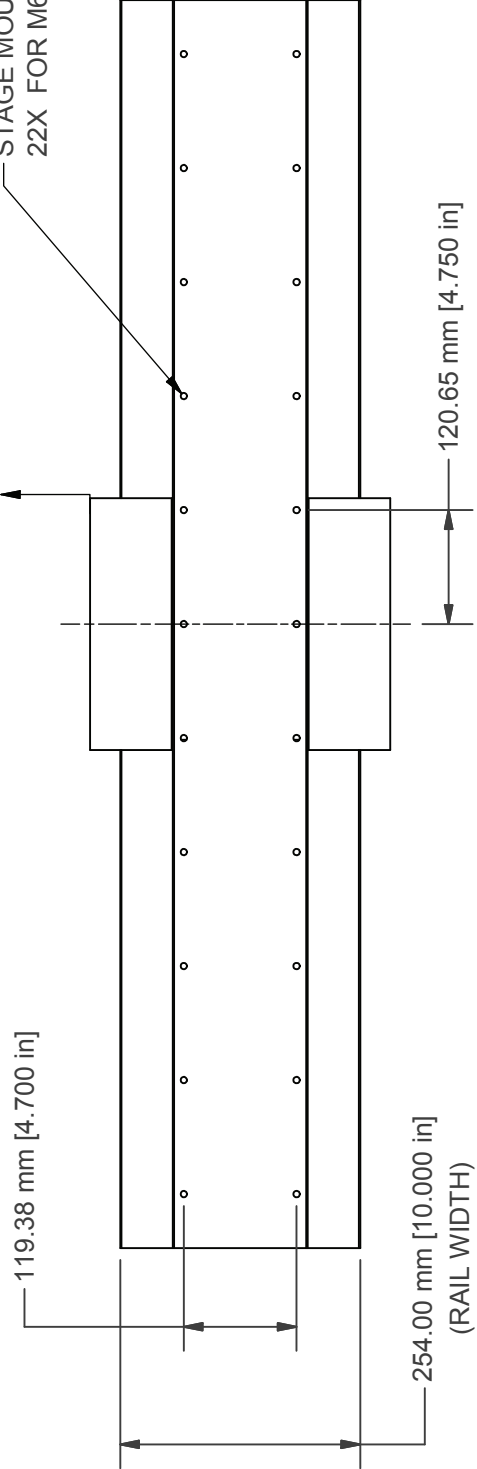
TRAVEL	LENGTH
1000	1320.8
1000+	various

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

MOVING CABLE EXIT  
 (OPTIONAL TRACKLESS  
 CABLE ROUTING AVAILABLE)

STAGE MOUNT  
 22X FOR M6 OR 1/4-20 THRU

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



### STANDARD FEATURES

<b>Stage</b>	Box Rail Air Bearing Linear Stage
<b>Travel</b>	1000+ mm
<b>Max Payload</b>	100 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 Optional: Zero CTE Zerodur
<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

DRAWN  
NBROWN  
CHECKED

5/12/2012

TITLE

# AI-LM-(TRAVEL)00-AB-BR



Tolerances: Surface Roughness:  
 x.x ± .05 in [1.3 mm]  
 x.xx ± .01 in [0.25 mm]  
 x.xxx ± .005 in [0.13 mm]  
 Angles ± 0.5°  
 MATERIAL

SIZE  
B

DWG NO  
0010-08018

REV  
001

NOTE: MODEL AI-LM-100000-AB-BR SHOWN.

FINISH  
SEE NOTES

SCALE

ALIO STD TEMPLATE - REV 006 | SHEET 1 OF 1