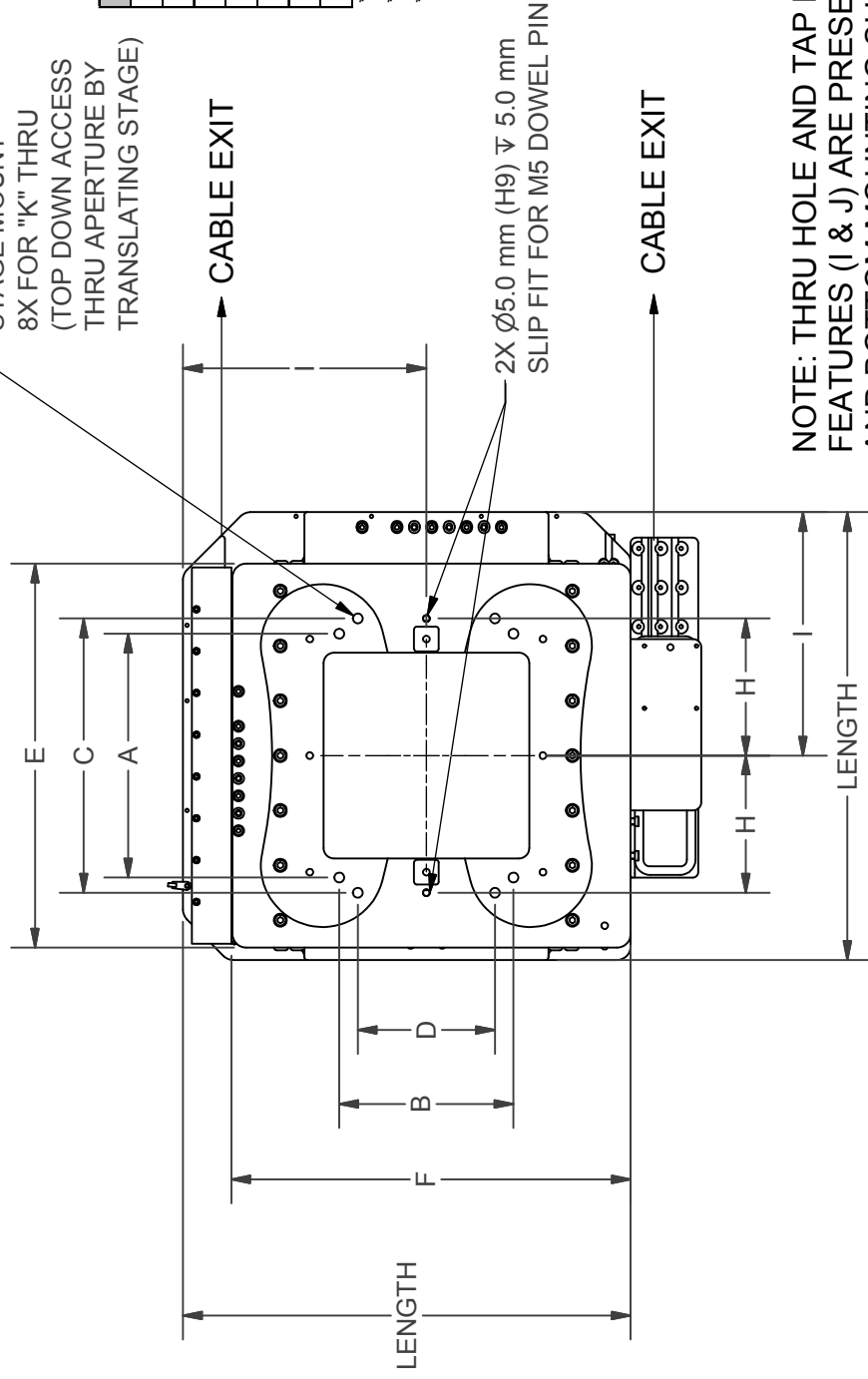


STAGE MOUNT  
8X FOR "K" THRU  
(TOP DOWN ACCESS  
THRU APERTURE BY  
TRANSLATING STAGE)

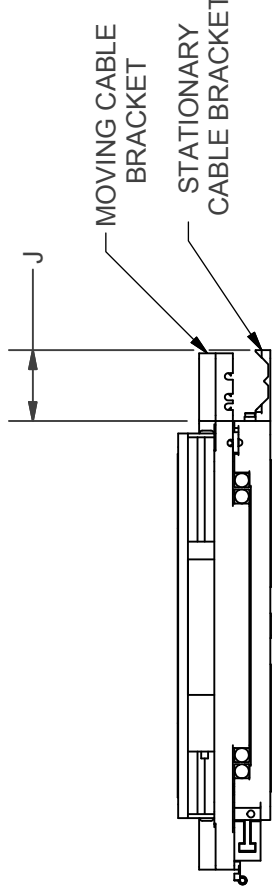
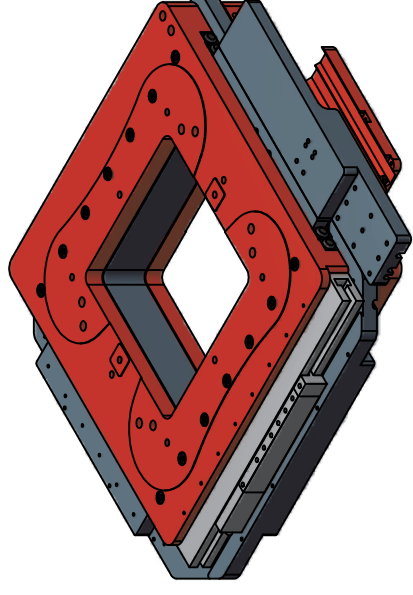


NOTE: THRU HOLE AND TAP MOUNTING FEATURES (I & J) ARE PRESENT ON TOP AND BOTTOM MOUNTING SURFACES EVEN THOUGH DIMENSIONS ARE ONLY SHOWN ON ONE SURFACE.

NOTE: MODEL AI-LM-15000E-150-XY SHOWN

## STANDARD FEATURES

<b>Stage</b>	Open Center Integrated XY Stage
<b>Travel</b>	100mm to 400mm
<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>	High Precision Crossed Roller Bearings
<b>Cables</b>	High Flex, 10M Cycle, 3m Length Optional: Cable Management Brackets ("-CAB")
<b>Structure</b>	Anodized Aluminum 6061-T6 Optional: Stainless Steel
<b>Environment</b>	Standard Optional: Clean Room and Vacuum (10-6 Torr)
<b>Temperature</b>	0°C to 50°C
<b>Humidity</b>	10% to 80% Non-Condensing
<b>Precision</b>	6-D Nano Precision™ Test Methods



TRAVEL	THRU	LENGTH	HEIGHT	A (inch)	B (inch)	C	D	E	F	G	H	I	J	K	L
100	100	230	64	5	3	150	75	201.5	214.5	120	70	129.25	N/A	M6 or 1/4-20	M5
150	150	326.5	68	7	5	200	100	258	267.5	170	100	177.5	52	M6 or 1/4-20	M6
200	200	392	80	11	7	300	150	360	379	225	125	212	65	M6 or 1/4-20	M6
250	250	460	95	11	7	300	150	428	447	275	150	246	96	M6 or 1/4-20	M6
300	300	500	120	16	12	400	350	500	520	325	150	250	98	M8 or 5/16-18	M6
350	350	550	120	16	12	400	350	550	550	375	200	275	98	M8 or 5/16-18	M6
400	400	650	120	20	12	500	350	650	650	425	225	325	125	M1 or 1/2-13	M8

\* All units millimeters unless otherwise noted.

\* All hole patterns centered on aperture centerline.

\* Custom and intermediate sizes available.

ALIO INDUSTRIES PROPRIETARY INFORMATION  
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DRAWN  
NBROWN  
CHECKED

5/12/2012

TITLE

AI-LM-(TRAVEL)00E-(THRU)-XY

SIZE  
B

DWG NO  
0010-08001

REV  
003

FINISH  
SEE NOTES

SCALE  
ALIO STD TEMPLATE - REV 006

1 OF 1

1

3

4

4