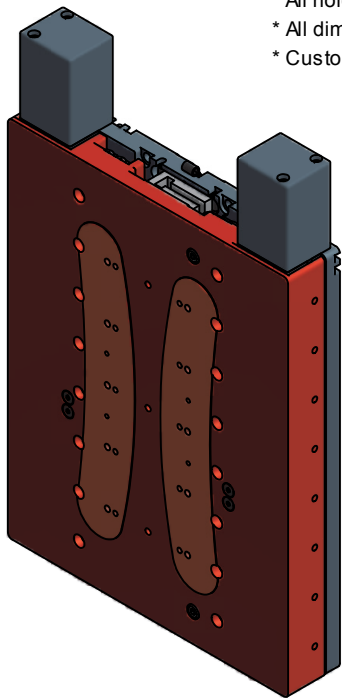
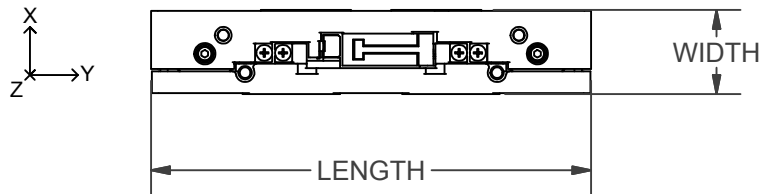
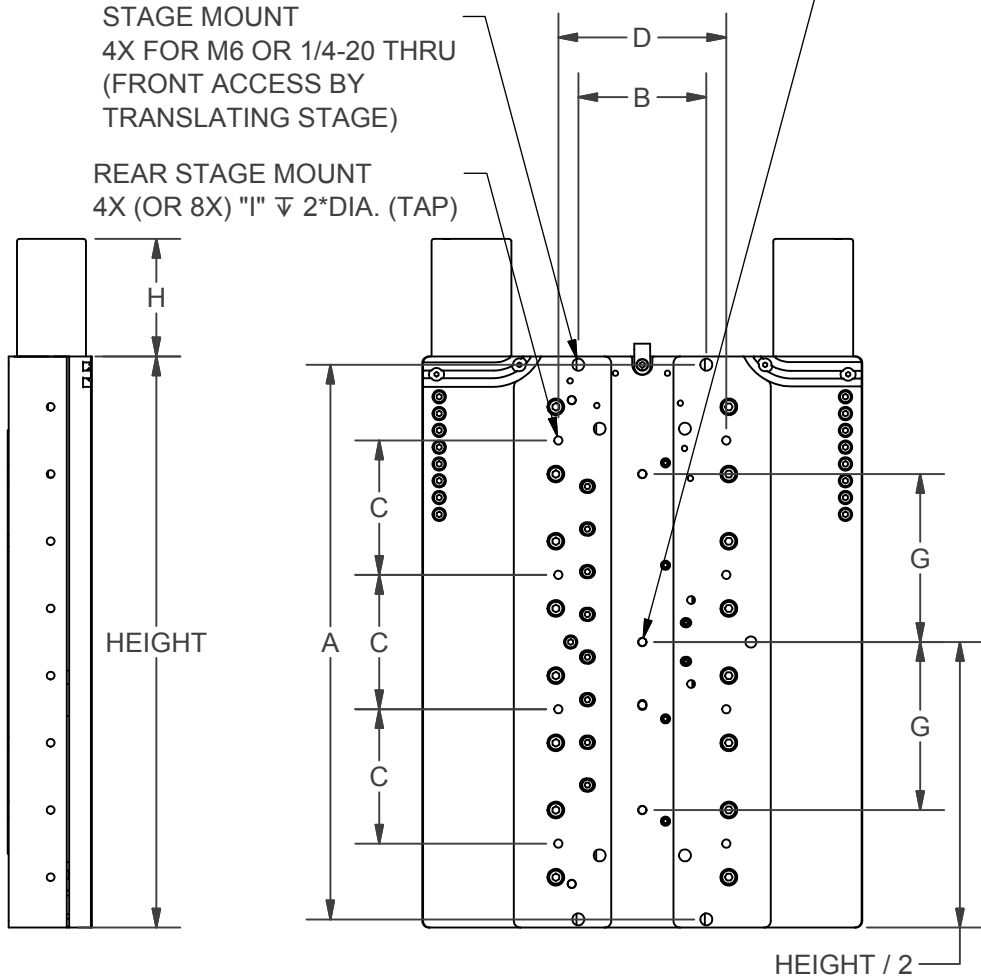
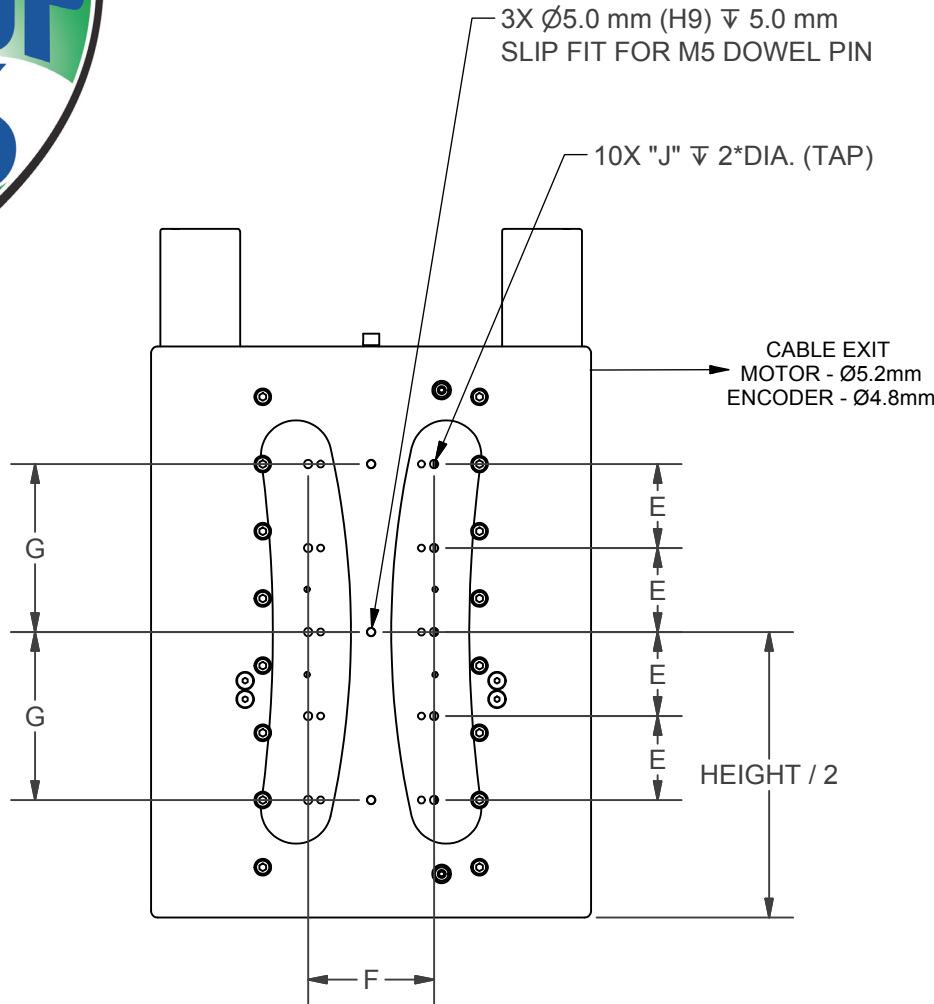




STANDARD FEATURES	
Stage	Z Linear Stage with Magnetic Spring Counterbalance
Travel	50mm to 170mm
Motor	Ironless Core Linear Motor
Feedback	Non-Contact Optical Encoder
Scale	Gold Tape Scale Optional: Near Zero CTE ZeroMet
Resolution	1Vp-p Analog Output (5nm with 4096 Interpolation) Digital Output Options: 5um, 1um, 0.5um, 0.2um, 100nm, 50nm, 20nm**, 10nm**, and 5nm** (** Reduced Speeds Apply)
Sensors	Integrated Home and End of Travel Limits
Bearings	High Precision Crossed Roller Bearings
Counterbalance	Constant Force Magnetic Spring Counterbalance
Cables	High Flex, 10M Cycle, 3m Length
Structure	Anodized Aluminum 6061-T6 Optional: Stainless Steel
Environment	Standard Optional: Clean Room
Temperature	0°C to 50°C
Humidity	10% to 80% Non-Condensing
Precision	6-D Nano Precision™ Test Methods

TRAVEL	PAYLOAD OPTIONS (NEWTONS)	LENGTH	WIDTH	HEIGHT	A (inch)	B (inch)	C	D	E	F	G	H	I	J
170	20N, 30N, 40, 50N, or 60N	262	50	340	13	3	80	100	50	75	100	70	M6 (8X)	M6

- * All units millimeters unless otherwise noted.
- * All hole patterns centered on M5 dowel pin hole at center of stage.
- * All dimensions and visual representations reflect stage at mid-stroke or home position.
- * Custom and larger sizes available.

ALIO INDUSTRIES PROPRIETARY DOCUMENT
5335 XENON ST, ARVADA, CO 80002 USA
(Tel) 303.339.7500 - WWW.ALIOINDUSTRIES.COM

DRAWN						
NBROWN	11/20/2015					
CHECKED				TITLE AI-LM-(TRAVEL)00-(PAYLOAD) -Z-MCB-BASE		
NBROWN	11/20/2015					
Tolerances: Surface Roughness:						
x.x ± .05 in x.xx ± .01 in x.xxx ± .005 in ANGLES ± 0.5° MATERIAL						
		SIZE		DWG NO		REV
		B		0010-08044		001
FINISH SEE NOTES		SCALE		ALIO STD TEMPLATE - REV 006		SHEET 1 OF 1

NOTE: MODEL AI-LM-17000-XXN-Z-MCB-BASE SHOWN.