



**STANDARD FEATURES**

- MOTORS: DUAL HR-8
- STD FORCE 64 N
- (CONSULT FACTORY FOR HIGHER FORCE)
- TRAVEL: 50mm
- SPEED: 250mm/sec
- ENCODER RESOLUTION: ANALOG 1 VOLT, PEAK TO PEAK
- OPTIONAL: 5um, 1um, 0.5um, 0.1um, 0.05um, 0.02um, 0.01um or 5nm USING 4096 INTERPOLATION
- (CONTROLLER DEPENDENT)
- SYSTEM REPEATABILITY: +/- 1 ENCODER COUNT
- (CONTROLLER DEPENDENT)
- HOME SENSOR: STANDARD
- BEARINGS: PRECISION CROSS ROLLER
- < 1.5um PARALLELISM
- BEARING DYNAMIC LOAD RATING: 2.6kN
- SYSTEM LOAD CAPACITY: APPLICATION DEPENDENT
- PLEASE CONSULT THE FACTORY
- ENCLOSURES: ALUMINUM 6061-T6
- STAINLESS STEEL OPTIONAL
- ENVIRONMENT: STANDARD, CLEAN ROOM, VACUUM
- 10e-7 TORR, AND VACUUM 10e-10 TORR
- (CONSULT FACTORY)
- TEMPERATURE: 0 to 100 DEG C
- HUMIDITY: 10% to 80% NON-CONDENSING
- ASSEMBLY MASS: 1.1 kg

**ACCESSORIES**

MOTOR AMPLIFIER

**OPTIONAL EQUIPMENT**

MOTION CONTROLLERS

CUSTOM DESIGNS FOR OEM INTEGRATION

ALIO INDUSTRIES PROPRIETARY INFORMATION

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DRAWN	NBROWN	10/25/2005
CHECKED		
Tolerances:	Surface Roughness:	
x.x ± .04 in	√ RMS MAX.	
x.xx ± .02 in		
x.xxx ± .005 in		
MATERIAL		
FINISH	SEE NOTES	

TITLE		
AI-D8-5000E		
SIZE	DWG NO	REV
B	0010-00012	005
SCALE	ALIO STD TEMPLATE - REV 005	SHEET 1 OF 1