



**STANDARD FEATURES**

- MOTORS: DUAL HR-8
- STD FORCE 64 N  
(CONSULT FACTORY FOR HIGHER FORCE)
- TRAVEL: 150mm
- 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  
< 2.5um PARALLELISM
- BEARING DYNAMIC LOAD RATING: 6 kN
- 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: 2.9 kg

**ACCESSORIES**

MOTOR AMPLIFIER

**OPTIONAL EQUIPMENT**

MOTION CONTROLLERS

CUSTOM DESIGNS FOR OEM INTEGRATION

ALIO INDUSTRIES PROPRIETARY INFORMATION

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DRAWN	NBROWN	2/18/2005
CHECKED		
Tolerances: x.x $\pm$ .04 in x.xx $\pm$ .02 in x.xxx $\pm$ .005 in		
MATERIAL		

TITLE		
AI-D8-15000E		
SIZE	DWG NO	REV
B	0010-00319	001
SCALE	SHEET 1 OF 1	