



**STANDARD FEATURES**

- MOTOR: HR-2
- STD FORCE 8 N  
(CONSULT FACTORY FOR HIGHER FORCE)
- TRAVEL: 25mm
- 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: 1.8kN
- SYSTEM LOAD CAPACITY: APPLICATION DEPENDENT  
PLEASE CONSULT THE FACTORY
- ENCLOSURES: ALUMINUM 6061-T6  
STAINLESS STEEL OPTIONAL
- ENVIRONMENT: STANDARD, CLEANROOM, 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: 0.43 kg

**ACCESSORIES**

MOTOR AMPLIFIER

**OPTIONAL EQUIPMENT**

MOTION CONTROLLERS

CUSTOM DESIGNS FOR OEM INTEGRATION

ALIO INDUSTRIES PROPRIETARY INFORMATION

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DRAWN	NBROWN	7/11/2005
CHECKED		
Tolerances:		
x.x ± .04 in		
x.xx ± .02 in		
x.xxx ± .005 in		
MATERIAL		

TITLE		
AI-HR2-2500E		
SIZE	DWG NO	REV
B	0010-00085	004
SCALE	ALIO STD TEMPLATE - REV 004	SHEET 1 OF 1