



STANDARD FEATURES

- MOTOR: HR-8
- STD FORCE 32 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: 0.82 kg

ACCESSORIES

MOTOR AMPLIFIER

OPTIONAL EQUIPMENT

MOTION CONTROLLERS

CUSTOM DESIGNS FOR OEM INTEGRATION

ALIO INDUSTRIES PROPRIETARY INFORMATION

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DRAWN	NBROWN	11/13/2005
CHECKED		
Tolerances:	Surface Roughness:	
x.x ± .04 in	√ RMS MAX.	
x.xx ± .02 in		
x.xxx ± .005 in		
MATERIAL		
FINISH	SEE NOTES	

TITLE		
AI-HR8-5000E		
SIZE	DWG NO	REV
B	0010-00620	007
SCALE	ALIO STD TEMPLATE - REV 005	SHEET 1 OF 1