



**NOTE: HR1/ST1 COMBINATION
STAGE PICTURED
(OTHER CONFIGURATIONS AVAILABLE)**

STANDARD FEATURES

- MOTORS: HR-1 - STD FORCE 3.5 N
- OPTIONAL: DUAL ST MOTOR - STD FORCE 2.5 N
(CONSULT FACTORY FOR HIGHER FORCE)
- TRAVEL: ± 5 DEG
- SPEED: 120 DEG/SEC
- ENCODER RESOLUTION:
 - LOWER AXIS: 0.013 ARC-SEC TO 13 ARC-SEC
 - 0.013 ARC-SEC USING 4096 INTERPOLATION
 - UPPER AXIS: 0.017 ARC-SEC TO 17 ARC-SEC
 - 0.017 ARC-SEC USING 4096 INTERPOLATION
(CONTROLLER DEPENDENT)
- SYSTEM REPEATABILITY: +/- 2 ENCODER COUNT
(CONTROLLER DEPENDENT)
- HOME SENSOR: STANDARD
- BEARINGS: PRECISION ARCHED CROSS ROLLER
- BEARING DYNAMIC LOAD RATING: 1.1kN
- 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: 0.47 kg

ACCESSORIES

MOTOR AMPLIFIER

OPTIONAL EQUIPMENT

MOTION CONTROLLERS

CUSTOM DESIGNS FOR OEM INTEGRATION

ALIO INDUSTRIES PROPRIETARY INFORMATION

11919 W I-70 FRONTAGE ROAD NORTH, UNIT 119, WHEAT RIDGE, CO 80033 USA
(Tel) 303.339.7500 - SALES@ALIOINDUSTRIES.COM - WWW.ALIOINDUSTRIES.COM

DRAWN	NBROWN	6/8/2006			
CHECKED					
Tolerances:			TITLE		
x.x ± .04 in			AI-HR1-ST1-GONI-060-D		
x.xx ± .01 in					
x.xxx ± .005 in					
MATERIAL			SIZE	DWG NO	REV
FINISH			B	0010-00759	002
SEE NOTES			SCALE	ALIO STD TEMPLATE - REV 005	SHEET 1 OF 1