



**STANDARD FEATURES**

- MOTORS: QUAD HR-2
- STD TORQUE 0.80 N-m  
(CONSULT FACTORY FOR HIGHER FORCE)
- ROTATION: 360 DEGREES CONTINUOUS
- SPEED: >270 DEG/SEC
- ENCODER RESOLUTION: 0.02 ARC-SEC TO 20 ARC-SEC  
0.02 ARC-SEC USING 4096 INTERPOLATION  
(CONTROLLER DEPENDENT)
- SYSTEM REPEATABILITY: +/- 1 ENCODER COUNT  
(CONTROLLER DEPENDENT)
- HOME SENSOR: STANDARD
- BEARINGS: PRECISION CROSSED ROLLER
- BEARING DYNAMIC LOAD RATING: 5 kN
- 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 85 DEG C
- HUMIDITY: 10% to 80% NON-CONDENSING
- ASSEMBLY MASS: 1.2 kg

**ACCESSORIES**

- MOTOR AMPLIFIER
- ROTATION LIMIT MARKERS

**OPTIONAL EQUIPMENT**  
MOTION CONTROLLERS

CUSTOM DESIGNS FOR OEM INTEGRATION

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



**AI-80R-Q**

DRAWN		TITLE	
NBrown		AI-80R-Q	
CHECKED		REV	
2/2/2005		003	
Tolerances:		SIZE	DWG NO
x ± 1 mm [x.x ± .04 in]		B	0010-00174
x.x ± 0.5 mm [x.xx ± .02 in]		SCALE	SHEET 1 OF 1
x.xx ± 0.12 [x.xxx ± .005 in]			
MATERIAL			

ALIO INDUSTRIES PROPRIETARY INFORMATION