



# Application Information

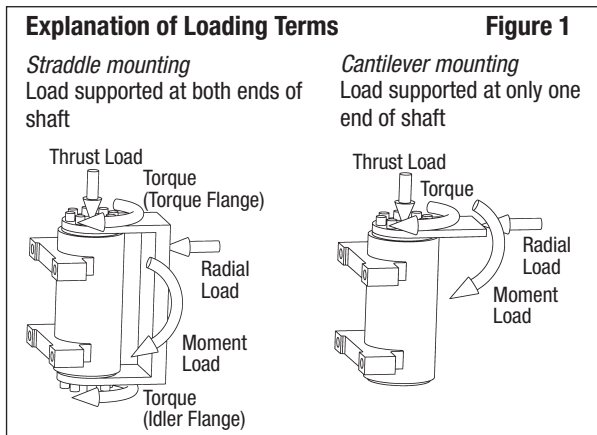
Company Name \_\_\_\_\_ Contact Name \_\_\_\_\_  
 Phone Number \_\_\_\_\_ Email Address \_\_\_\_\_

1. Description of application:

- 2. Number of cycles/year \_\_\_\_\_ Desired service life in years \_\_\_\_\_
- 3. Drawing or sketch (hand drawn) which reflects the actuator(s) installation attached:
- 4. Load diagram reflecting the geometry and load centers (Centers of Gravity) relative to the actuator attached:
- 5. Anticipated annual quantities (units per year): Year 1 \_\_\_\_\_ Year 2 \_\_\_\_\_ Year 3 \_\_\_\_\_
- 6. Inquiry for:  Active funded project  Feasibility study for future project  Information only
- 7. Project schedule target dates: First prototype \_\_\_\_\_ First production \_\_\_\_\_
- 8. Required output torque: \_\_\_\_\_  in-lb  Nm @ pressure \_\_\_\_\_  psi  bar
- 9. Required holding torque: \_\_\_\_\_  in-lb  Nm
- 10. Will torque be transmitted from one or both ends of the actuator?  One end  Both ends
- 11. Acceptable backlash: \_\_\_\_\_ degrees
- 12. Actuator will be used for:  Torque and load bearing capacity  Torque only
- 13. Hydraulic pressures: Normal operation \_\_\_\_\_ Minimum \_\_\_\_\_ Maximum \_\_\_\_\_  psi  bar
- 14. Required rotation:  180°  360°  Other \_\_\_\_\_
- 15. Hydraulic fluid:  Standard petroleum-based  Synthetic  Other (Specify) \_\_\_\_\_
- 16. Is the hydraulic fluid compatible with nitrile/polyurethane seals and glass reinforced nylon bearing materials?  Yes  No
- 17. Hydraulic fluid operating temperatures: Minimum \_\_\_\_\_ Maximum \_\_\_\_\_  Fahrenheit  Celsius
- 18. Environmental temperatures: Minimum \_\_\_\_\_ Maximum \_\_\_\_\_  Fahrenheit  Celsius
- 19. Maximum bearing loads that will be applied to the actuator

(See Figure 1 to the right)

Thrust load: \_\_\_\_\_  lb  kg  
 Radial load: \_\_\_\_\_  lb  kg  
 Moment load: \_\_\_\_\_  in-lb  Nm



Parker-Helac does not assume any responsibility beyond the design and performance of its rotary actuator product due to the unlimited variety of operating conditions and applications. The customer is solely responsible for the final selection of any Parker-Helac product or system and its suitability for the application in question.

The overall integrity of the installation, and the application's safety, and compliance with industry standards and warning requirements are the ultimate responsibility of the customer. The customer is solely responsible for the engineering of mating structures, fasteners, and other associated components related to the installation of the product and its ultimate application. Helac Corporation recommends that prototype testing be conducted to verify installation integrity. Testing with applied loads that equal or exceed the static and dynamic load frequency and intensity are recommended to determine the suitability of the actuator for the application.

Documents or information provided by Parker-Helac, its subsidiaries or authorized distributors are intended for users having technical expertise. It is important to thoroughly analyze all aspects of your application and review current product information.