Application Information

Company Name _____ Contact Name _____

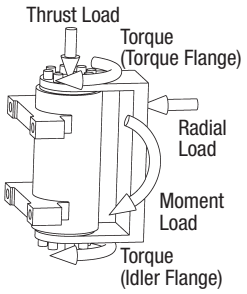
Phone Number _____ Email Address _____

Application information

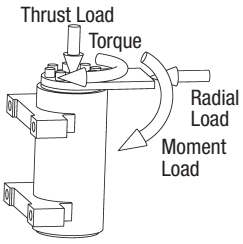
1. Description of application: _____
   _____
2. General Arrangement Drawing which reflects the proposed actuator(s) installation attached: ☐
3. Loading Diagram or Load Geometry reflecting the load centers (Centers of Gravity) relative to the actuator attached: ☐
4. Anticipated annual quantities (units per year): Year 1 _____ ,Year 2 _____ ,Year 3 _____
5. Quantity based on: ☐ Limited "batch-run" ☐ Annual quantity ☐ Other _____
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 @ _____ psi (_____ Nm @ _____ 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 bearing capacity ☐ Torque only
13. Hydraulic pressures: _____ Normal operation _____ Minimum _____ Maximum ☐ psi ☐ bar
14. Required rotation: ☐ 180° ☐ 360° ☐ Other _____
15. Maximum bearing loads (moment, thrust and radial) that will be applied to the actuator (See Figure 1)
    Moment: _____ ☐ in-lb ☐ Nm Thrust: _____ ☐ lb ☐ kg Radial: _____ ☐ lb ☐ kg
16. Hydraulic fluid: ☐ Standard petroleum-based ☐ Synthetic ☐ Other (Specify) _____
17. Is the hydraulic fluid compatible with nitrile/polyurethane seals and glass reinforced nylon bearing materials? ☐ Yes ☐ No
18. Hydraulic fluid operating temperatures:
    _____ Minimum _____ Maximum
    ☐ Fahrenheit ☐ Celsius
19. Environmental temperatures:
    _____ Minimum _____ Maximum
    ☐ Fahrenheit ☐ Celsius
20. Number of cycles/year _____
    Service life _____ years
21. Other Information:
    _____
    _____
    _____
    _____

Explanation of Loading Terms **Figure 1**

Straddle mounting
Load supported at both ends of shaft



Cantilever mounting
Load supported at only one end of shaft



Helac Corporation 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 Helac Corporation 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 Helac Corporation, its subsidiaries or authorized distributors are intended for users having technical expertise. It is important to throughly analyze all aspects of your application and review current product information.

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