hktm | Good Engineering

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)

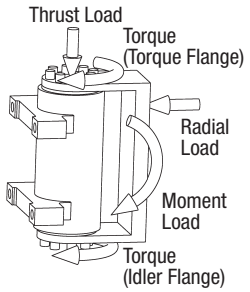
    Thrust load: _____ ☐ lb ☐ kg

    Radial load: _____ ☐ lb ☐ kg

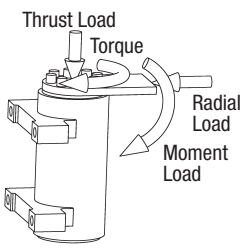
    Moment load: _____ ☐ in-lb ☐ Nm

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



Hidropar | Hareket Kontrol Teknolojileri Merkezi San. ve Tic. A.Ş.

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