



To be able to select the best actuator for your application please answer the following questions as accurately as possible. Any kind of photographs, detailed installation drawings, load graphs or a simple hand drawn sketch are very useful. **Missing or incorrect information can result in damage to the actuator and/or the operating unit.** Feel free to consult us at length and assist us with your planning.

Company name	E-Mail
Company person	Webpage
Street	
City, Zip	
Phone	
Fax	

1. General information

Brief description: what the actuator should be used for

Estimated annual quantity

Is this quantity based on a nonrecurring project or a permanent annual quantity?

How is the application currently being performed (e.g. systems, devices, mechanisms, etc.)
Are there any alternative designs or methods being considered?

* required for an offer

2. Loads requirements

Mass moment of inertia (kgm² or lbs-inch-sec²)

Max. axial load exerted on the output shaft of the actuator (kg or lbs)

*Max. radial load exerted on the output shaft of the actuator (kg or lbs)

*Will the loads be supported by: The actuator? External bearings?

*If external bearings are used, is it possible that any misalignment of the structure will cause binding loads in the actuator? Yes No

Are there any dynamic loads applied to the actuator? Yes No

How often will the loads be applied?

Do all above loads include dynamic and/or other potential overloads? Yes No - Explain

Will the actuator be exposed to shock loads? Yes No - Explain

3. Torque requirements

*Required output torque (Nm or inch-lbs) @ (bar or PSI)

Required holding torque (Nm or inch-lbs)

Arm length from rotation centre point to centre point of weight (m or inch)

Weight to be rotated (kg or lbs)

*Bending moment (Nm or Inch-lbs)

*Will torque be transmitted from one or both ends of the actuator?
 One side Both Sides

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4. Rotation requirements

*Rotation required (degrees)

*What is the max. required speed? degrees in sec

*What is the cycle frequency? cycles per sec

How much working hours will the actuator do in a day/Month/Year? cycles per day/month/year

What is the expected life of the actuator? years or cycles

How much mechanical backlash is acceptable? (degrees)

How accurately does the load need to be positioned? (degrees)

How will the actuator be stopped at the end of rotation?
 Internally External stops Other

In which direction is the actuator output shaft mounted? vertical horizontal

* required for an offer

5. Pressure and fluid requirements

*What is the hydraulic working pressure? (bar or PSI) Max. Min. Normal

What is the flow rate on normal operation? (ltr/Min or gpm)

What kind of hydraulic fluid will be used? Standard petroleum-based Synthetic
 Other

Is the fluid compatible with nitrile and polyurethane seals and glass reinforced nylon bearing materials?
 Yes No

What are the hydraulic fluid temperatures of the actuator? (°C or °F) : Min. Max.

What is the surrounding temperature the actuator is operated in? (°C or °F) : Min. Max.

6. Additional required options and other considerations

Load holding valve required? Yes No Cushioning in end position required? Yes No

Angle adjustment required? Yes No Position indication required Yes No
 (Inductive, encoder, other)

*Output shaft requirements? Pivot Hollow Splined tapped flange other

Will the actuator be sprayed with high pressure fluids? Yes No

Are there any special dimension or weight limitations?

7. Rotary Lift Combination

What is the minimum push force? (N or LBS)

What is the minimum pull force? (N or LBS)

Max. radial load exerted on the output shaft of the piston rod? (Kg or LBS)

What is required stroke? (mm or inch)

Speed of hydr. cylinder (mm) in seconds

What is the working pressure of hydr. cylinder? (bar or PSI)