

# Actuator Sizing Tool Checklist

Please fill out form below and email it to [actuatorinfo@huntvalve.com](mailto:actuatorinfo@huntvalve.com).  
Please email or call for questions or assistance.

(540) 857-9871 | [actuatorinfo@huntvalve.com](mailto:actuatorinfo@huntvalve.com) | [huntvalveactuators.com](http://huntvalveactuators.com)



## Actuator Application Form

### CUSTOMER INFORMATION

Customer Name:					
Project Name:			Date Submitted:		
Contact Name:			Date Needed:		
Title:			Customer Spec. #:		
Address:	(Street)		RFQ#:		
	(City)	(ST)	(Zip)	(Country)	
Phone:				Email:	
If Distributor, End Customer: Optional					
End Customer's Market/Products:					

### APPLICATION OVERVIEW

New application/machine:       Replace Hydraulics:       Replace Pneumatics:       Displace other EMA:

Application Description:

#### Product Preference

Ram-Style (Rod Type):

Rodless Actuator:

Screw Jack:

Other (describe below):

#### Transmission Preference

Timing Belt:

Ballscrew:

Trapezoidal/Acme Screw:

Rollerscrew:

None (Guide Tube)

Quantity Required/Schedule:

# Rodless-Style Actuator Tool Checklist

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## Rodless-Style Actuator

### CUSTOMER INFORMATION

Stroke Length:	
Precision / Repeatability:	
Required Life:	
Orientation:	
Is Load Externally Guided? (Y/N):	
Mass carried:	
Axial Thrust Load (Force):	

#### Move Profile (if complex, describe in notes section)

Distance:	
Move Time:	
Dwell Time:	
Max Velocity:	
Acceleration:	
Duty Time:	
Operation (Hours/Day):	

#### Power Bridge Position

Top (Normal):

Bottom:

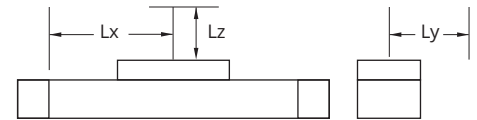
Side:

#### Moment Loads

Lx:

Ly:

Lz:



#### Options - Belt Driven

Shaft execution (AZ1,2, or 6): AZ \_\_\_\_\_

Inductive proximity switches (EN):

Mechanical limit switches (ES):

Additional free-sliding bridge (OKB):

Long power bridge (LKB):

Felt Wipers (FA):

Keyed drive shaft:

Encoder shaft, idle end:

#### Options -Screw Driven

Inductive proximity switches (EN):

Mechanical limit switches (ES):

Long power bridge (LKB):

Keyed drive shaft:

Encoder shaft, idle end:

RT60/80 belt drive:

NPT connection ports (# ports)

Extra KAO brackets (# pairs):

Include MGK kit:

Additional free-sliding bridge (OKB):

#### Version Preference

SpeedLine:

PowerLine:

DynaLine:

Guide tube version only:

#### Motion Direction

Forward

Reverse

#### Motion Profile Type

Trapezoidal

Triangular

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## ENVIRONMENTAL CONSIDERATIONS

### Location / Conditions

- Industrial / Factory:
- Food Grade:
- Washdown:
- Exterior:
- Cleanroom:
- Solid Contaminants
- None:
- Non-abrasive:
- Abrasive:
- Course chips:
- Fine dust:

- Operating Temperature Range:
- Humidity (if applicable):
- Required IP rating (if applicable):
- Impact/shock (describe, if applicable):

### Liquid Contaminants

- None:
- Dripping:
- Mist / spray:
- Splashing:
- High pressure:


## SYSTEM INFORMATION (OPTIONAL)

### Motor Provided by

- Customer:
- Hunt Valve Actuator Division:

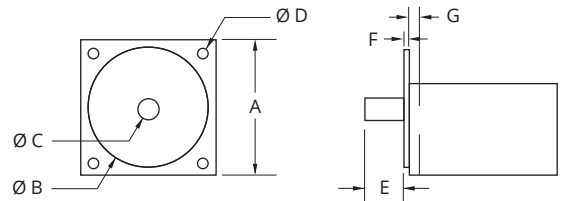
### Motor/System Type:

- Brushless Servo:
- Stepper Motor:
- AC Motor:
- Other:

Motor Manufacturer:

Motor Model Number:

Specify voltage(s) available:



Frame Size (A):	<input type="text"/>
Pilot Diameter (B):	<input type="text"/>
Shaft Diameter (C):	<input type="text"/>
Bolt Hole Diameter (D):	<input type="text"/>
Shaft Length (E):	<input type="text"/>
Pilot Depth (F):	<input type="text"/>
Flange Thickness (G):	<input type="text"/>
Bolt Hole Circle Diameter (H):	<input type="text"/>
Shaft Key Description:	<input type="text"/>

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