

Actuator Sizing Tool Checklist

Please fill out form below and email it to actuatorinfo@huntvalve.com.
Please email or call for questions or assistance.

(540) 857-9871 | actuatorinfo@huntvalve.com | 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:		
<i>If Distributor, End Customer: Optional</i>			
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):

Screw Jack:

Rodless Actuator:

Other (describe below):

Transmission Preference

Timing Belt:

Trapezoidal/Acme Screw:

Ballscrew:

Rollerscrew:

None (Guide Tube)

Quantity Required/Schedule:

Ram-Style Actuator Tool Checklist

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Ram-Style Actuator

CUSTOMER INFORMATION

Stroke Length:	<input type="text"/>
Precision / Repeatability:	<input type="text"/>
Required Life:	<input type="text"/>
Orientation:	<input type="text"/>
Is Load Externally Guided? (Y/N):	<input type="text"/>
Mass being pushed/pulled:	<input type="text"/>
Axial Thrust Load (Force):	<input type="text"/>

Move Profile (if complex, describe in notes section)

Distance:	<input type="text"/>
Move Time:	<input type="text"/>
Dwell Time:	<input type="text"/>
Max Velocity:	<input type="text"/>
Acceleration:	<input type="text"/>
Duty Time:	<input type="text"/>
Operation (Hours/Day):	<input type="text"/>

Drive Type

Inline:

Parallel:

Screw Type

Ballscrew:

Acme:

Rollerscrew:

If Food Grade... Version: FG1

FG2

Peak Force Is Applied In:

Compression (during extension):

Tension (during retraction):

Both Compression and Tension:

Mounting

Bottom Mount (BM):

Clevis, Rear (CR):

Trunnion (TF):

Flange, Front (FF):

Flange, Rear (FR):

Bottom Flanges:

During Motion, Actuator Is:

Fixed / Rigid (non-pivoting):

Pivoting / Rotating:

Motion Direction

Forward

Reverse

Motion Profile Type

Trapezoidal

Triangular

Rod End

Male Thread (MT):

Female Thread (FT):

Female Eye (FE):

Spherical Joint Bearing (SJ):

Female Clevis (FC):

Position Sensor Preference

PNP:

NPN:

Reed:

Qty, Normally-Closed:

Qty, Normally-Open:

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:

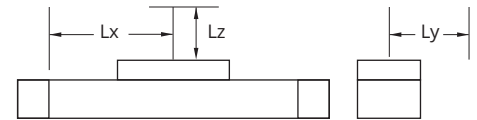
Side:

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

Screw Jack Sizing Tool Checklist

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SCREW JACK SPECIFICS

Version

Translating Screw (N):

Translating Screw, anti-rotate (V):

Translating Nut (R):

Gear Ratio

High Speed (H):

Low Speed (L):

Screw End Features

Standard threads (G):

Cylindrical end (Z):

No end machining (O):

Special (S):

Standard Accessories

Trunnion Nut Mounting (KAR):

Mounting Feet (L):

Mounting Trunnions (K):

Fixed Limit Switches, N/V only:

Adjustable Limit Switches, N/V only:

Safety Nut (SFM):

End Fitting

Without (O):

Top Plate (BP):

Fork End / Female Clevis (GA):

Clevis / Female Eye (GK):

Protection

Without Bellows (O):

With Bellows (F):

Nut (for R type)

Without (O): 4

EFM Trapezoidal (1):

KGF Flanged Ballnut (2):

KGM Cylindrical Ballnut (3):

Peak Force Is Applied In

Compression (during extension):

Tension (during retraction):

Both Compression and Tension:

System Configuration

Load is shared by how many Jacks:

Distance(s) between Jacks:

HVAD to supply line shafts & gearboxes:

Number of motor adapters required

Stop Collar

Without (O):

With, N/V versions only (A):

Special Features

Without (O):

Standard Accessories (Z):

Special Accessories (S):

Screw Dimensions

Default (O):

005, M4 KGS only (1):

4010, M4 KGS only (2):

PROVIDE ADDITIONAL DETAILS HERE

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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:

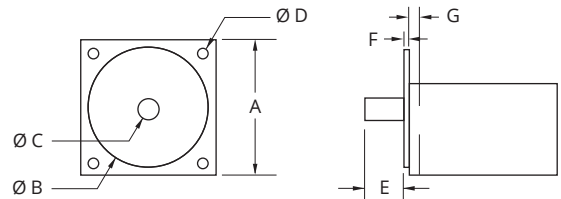
Motor/System Type:

- 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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