

# Electric Rod-Style Actuator Application Worksheet

USE THE TOLOMATIC SIZING AND SELECTION SOFTWARE AVAILABLE ON-LINE AT [www.tolomatic.com](http://www.tolomatic.com)

or call Tolomatic at 1-800-328-2174. We will provide any assistance needed to determine the proper actuator for the job.

## ACTUATOR ORIENTATION

- Horizontal     
  Vertical-Motor End Up     
  Angled     
  Vertical-Motor End Down



Angle: \_\_\_\_\_ degrees

## ACTUATOR REQUIREMENTS

Stroke Length: \_\_\_\_\_  inches  millimeters

No. of Cycles: \_\_\_\_\_  per minute  per hour

Actuator to Hold Position:  required  not required

If Hold Required:  after move  during power loss

Motor:  Third Party Motor  Tolomatic Motor

## APPLICATION ENVIRONMENT

Ambient Temperature: \_\_\_\_\_  °F  °C

Actuator Environment Description and Ingress Protection Requirements:

## MOTION & FORCES

### Extend

Move Distance: \_\_\_\_\_  in  mm

Move Time: \_\_\_\_\_ seconds

Max. Speed: \_\_\_\_\_  in/s  mm/s

Dwell Time After Move: \_\_\_\_\_ seconds

### Load

Load: \_\_\_\_\_  lb  kg

Supported by Actuator: \_\_\_\_\_ %

Moment Prevention:  Guided/Supported

Center of Load:

D<sub>x</sub>: \_\_\_\_\_  in  mm

D<sub>y</sub>: \_\_\_\_\_  in  mm

D<sub>z</sub>: \_\_\_\_\_  in  mm

Assign to Moves:  Extend  Retract

### Retract

Move Distance: \_\_\_\_\_  in  mm

Move Time: \_\_\_\_\_ seconds

Max. Speed: \_\_\_\_\_  in/s  mm/s

Dwell Time After Move: \_\_\_\_\_ seconds

### Force

Force: \_\_\_\_\_  lb<sub>f</sub>  N

Force Direction:  Toward  Away

Direction of Applied Force:  F<sub>x</sub>  F<sub>y</sub>  F<sub>z</sub>

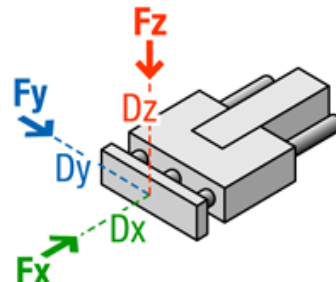
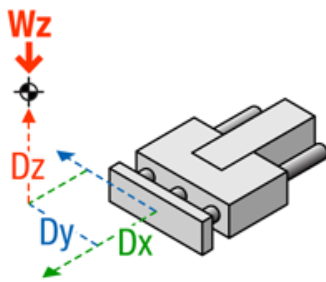
Center of Applied Force:

D<sub>x</sub>: \_\_\_\_\_  in  mm

D<sub>y</sub>: \_\_\_\_\_  in  mm

D<sub>z</sub>: \_\_\_\_\_  in  mm

Assign to Moves:  Extend  Retract



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**Tolomatic**<sup>™</sup>  
EXCELLENCE IN MOTION

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