

Electric Rodless Actuator Application Worksheet

USE THE TOLOMATIC SIZING AND SELECTION SOFTWARE AVAILABLE ON-LINE AT 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 Side Horizontal Down Vertical Angled °

Horizontal: d_x , d_z , CENTER OF GRAVITY
 Side: d_y , d_z , CENTER OF GRAVITY
 Horizontal Down: d_x , d_z , CENTER OF GRAVITY
 Vertical: d_x , d_z , CENTER OF GRAVITY
 Angled: α , β , SIDE VIEW, FRONT VIEW

Load supported by actuator OR Load supported by other mechanism

MOVE PROFILE

EXTEND

Move Distance: _____ inches millimeters
 Move Time: _____ seconds
 Max. Speed: _____ in/sec mm/sec
 Dwell Time After Move: _____ seconds
 Load: _____ lbs kgs
 Force: _____ lbf N

RETRACT

Move Distance: _____ inches millimeters
 Move Time: _____ seconds
 Max. Speed: _____ in/sec mm/sec
 Dwell Time After Move: _____ seconds
 Load: _____ lbs kgs
 Force: _____ lbf N

NOTE: If load or force changes during cycle use the highest numbers for calculations

BENDING MOMENTS APPLIED TO CARRIER

F_x _____ inches mm
 F_y _____ inches mm
 M_z _____ inches mm
 M_y _____ inches mm

ACTUATOR REQUIREMENTS

Stroke Length: _____ inches millimeters
 Repeatability: _____ inches millimeters
 No. of Cycles: _____ per minute per hour
 Actuator to hold position: Required Not Required
 If hold required: After Move During Power Loss

LOAD CENTER OF GRAVITY

Load Distance From Carrier to Load Center of Gravity:

d_x _____ inches millimeters
 d_y _____ inches millimeters
 d_z _____ inches millimeters

MOTOR

Use Tolomatic Motor Use Other Motor

When using a motor other than Tolomatic supply:

Tolomatic Your Motor Here Code: _____

Supply Additional Motor Information:

OPERATING ENVIRONMENT

Describe Temperature, Contamination, Water, Etc.:

CONTACT INFORMATION

Name: _____

Company: _____

Address: _____

Email: _____

Phone: _____