



# STÖBER

STÖBER Drives, Inc.

1781 Downing Drive • Maysville, KY 41056

## Application Data Sheet – Linear Motion

### Contact Info:

Rep: \_\_\_\_\_ Phone: \_\_\_\_\_  
 Distributor : \_\_\_\_\_ Fax: \_\_\_\_\_  
 End User: \_\_\_\_\_ Address: \_\_\_\_\_  
 City and State: \_\_\_\_\_ Email: \_\_\_\_\_

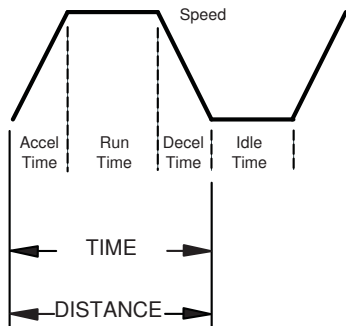
### Machine Info:

Machine Name: \_\_\_\_\_  
 Axis: \_\_\_\_\_  
 Controller or Drive Based: \_\_\_\_\_  
 Servo Drive / VFD MFG Part # : \_\_\_\_\_  
 Servo Motor MFG Part #: \_\_\_\_\_  
 Controller / PLC: \_\_\_\_\_  
 Gearbox Interested In:                      Inline                      Right-angle                      1-6 arcmin                      8-15 arcmin  
 Machine Function: \_\_\_\_\_

### Axis

| <b>RACK &amp; PINION</b>                    | <b>CONVEYOR</b>                                    | <b>BALL SCREW</b>                             |
|---|--|---|
| Efficiency ( % ): _____                     | Efficiency ( % ): _____                            | Efficiency ( % ): _____                       |
| Horizontal/ Verticle: _____                 | Drive Pulley Radius ( mm ): _____                  | Horizontal/ Verticle: _____                   |
| Incline ( ° ): _____                        | Drive Pulley Inertia ( kg-cm <sup>2</sup> ): _____ | Incline ( ° ): _____                          |
| Pinion Radius (mm): _____                   | Driven Pulley Radius (mm): _____                   | Coupling Inertia( kg-cm <sup>2</sup> ): _____ |
| Pinion Inertia (kg-cm <sup>2</sup> ): _____ | Driven Pulley Inertia (kg-cm <sup>2</sup> ): _____ | Screw Pitch (mm/rev): _____                   |
| Pinion Mass (kg): _____                     | Idler Radius (mm): _____                           | Screw Inertia (kg-cm <sup>2</sup> ): _____    |
| Helix Angle ( ° ): _____                    | Idler Inertia (kg-cm <sup>2</sup> ): _____         | Slide Mass (kg): _____                        |
| Pressure Angle ( ° ): _____                 | Belt Mass (kg): _____                              | Coefficient of Friction: _____                |
| Rack Mass(kg): _____                        | Load Mass (kg): _____                              | Additional Force (N): _____                   |
| Coefficient of Friction: _____              | Additional Force (N): _____                        |   |
| Load Mass (kg): _____                       |  |   |

### Motion Profile



#### **DISTANCE**

Distance or Velocity: \_\_\_\_\_

#### **TIME**

Accel: \_\_\_\_\_

Run Time: \_\_\_\_\_

Decel: \_\_\_\_\_

Idle: \_\_\_\_\_

Cyclic One Direction:

Cyclic Reversing:

### Notes

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
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