

# Product Recommendation Information Sheet

## Rack-and-Pinion

### Desired Product ● If you have no desired product, leave the applicable fields blank. We will call you if necessary.

Desired Motor(s)

- α*STEP**     
  Stepper Motor     
  Servo Motor     
  Brushless Motor  
 AC Motor     
  Others

Desired Controller

- Oriental Motor controller     
  Use positioning function of another company's PLC, programmable controller, etc.     
  Unknown

If you wish to use a product from another company, enter the manufacturer name and the product name.

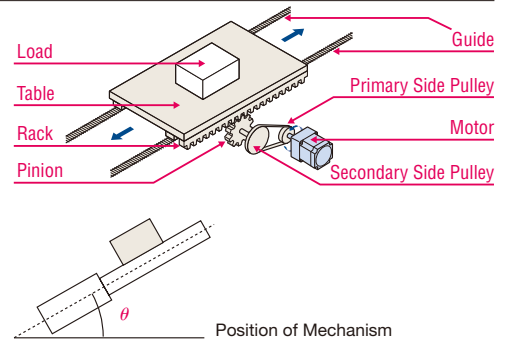
Manufacturer name:	Product name:
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### Moving Form

- Rack moving type with pinion side fixed     
  Pinion side moving type with rack side fixed (Motor side moving type)

### Drive Mechanism Specifications ● If in doubt, leave the applicable fields blank. We will call you if necessary.

- Total Mass of Load and Table .....   $m_1$  =  kg
- Guide Friction Coefficient .....   $\mu$  =
- Mass of Rack .....   $m_s$  =  kg
- Pitch Circle Diameter of Pinion .....   $D_P$  =  mm
- Mass of Pinion .....   $M_P$  =  kg
- Pinion Width (Thickness) .....   $L_P$  =  mm
- Pinion Material .....  Materials:
- Inclination Angle of the Mechanism ..   $\theta$  =  deg.
- External Force Applied (External force) .....   $F_A$  =  N

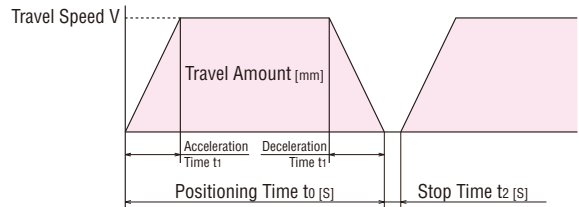


Please enter if you use connecting belt pulley or gear. Not required for direct connection.

- Primary Side Pulley Diameter and Mass .....   $D_{P1}$  =  mm        $m_{P1}$  =  kg
- If the mass is unknown, please enter the width and material. →   $L_{P1}$  =  mm      Materials:
- Secondary Side Pulley Diameter and Mass...   $D_{P2}$  =  mm        $m_{P2}$  =  kg
- If the mass is unknown, please enter the width and material. →   $L_{P2}$  =  mm      Materials:
- For electric linear slide sizing, use the specific request form.

### Operating Conditions ● If in doubt, leave the applicable fields blank. We will call you if necessary.

- Travel Amount per Operation .....  mm
- Positioning Time .....   $t_0$  =  s
- Desired Acceleration and Deceleration Time ·   $t_1$  =  s
- Stop Time .....   $t_2$  =  s
- Desired Travel Speed (If any) .....   $V$  =  mm/s
- Desired Stopping Accuracy (If any) ...  ±  mm
- Power Supply Voltage .....  V,  Hz
- Necessity of Holding Force After Power is Turned off .....  Yes     No



**Others**

- Application, Equipment Name.....
- Estimated Number of Units to be Used .....  unit(s)
- Estimated Purchase Date .....  year  month
- Supply Source (Sales office).....
- Other (Requests, Contact information, Items not written above, etc.)