Product Recommendation Information Sheet

Belt Linear Slide

■Desired Product ● If you have no desired product, leave the applicable fields blank. We will call you if necessary.
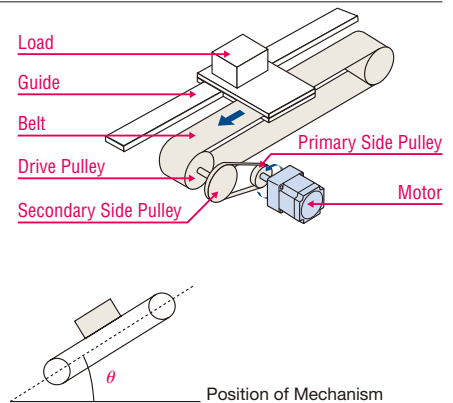
Desired Motor(s)

□ *αSTEP*   □ Stepper Motor   □ Servo Motor   □ Brushless Motor

□ AC Motor   □ Others

■Conveyor Type

○ Belt pulley   ○ Chain sprocket

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

- ●Total Mass of Load (Including table)·· m =   kg
- ●Belt Mass·· m_B =   kg
- ●Friction Coefficient Between Belt and Guide · μ =
- ●Number of Drive Pulleys···················· n =   unit(s)
- ●Pitch Circle Diameter of the Drive Pulley······· D_P =   mm
- ●Drive Pulley Inner Diameter ·············· D_{Pi} =   mm
- ●Drive Pulley Width (Thickness) ·········· L_P =   mm
- ●Drive Pulley Mass ···························· m_P =   kg/unit
- ●Drive Pulley Material·························   Materials:
- ●Inclination Angle of the Mechanism ·· θ =   deg.
- ●External Force Applied (External force) ········ F_A =   N
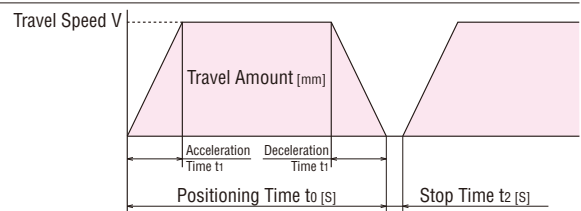
Position of Mechanism

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

Travel Speed V

Travel Amount [mm]

Acceleration Time t1   Deceleration Time t1

Positioning Time t0 [S]   Stop Time t2 [S]

■Others

● Application, Equipment Name·················· [   ]
● Estimated Number of Units to be Used ····· [unit(s)]
● Estimated Purchase Date ························ [   ]
● Supply Source (Sales office)···················· [   ]

● Other (Requests, Contact information, Items not written above, etc.)