

# Product Recommendation Information Sheet

## Belt Conveyor

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

Desired Motor(s)

- ☐  $\alpha$ STEP     
 ☐ 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)..... 

$m$	=	<input style="width: 100px;" type="text"/>	kg
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- Belt Mass..... 

$m_B$	=	<input style="width: 100px;" type="text"/>	kg
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- Friction Coefficient Between Belt and Guide..... 

$\mu$	=	<input style="width: 100px;" type="text"/>
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- Number of Drive Pulleys..... 

$n$	=	<input style="width: 100px;" type="text"/>	unit(s)
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- Pitch Circle Diameter of the Drive Pulley..... 

$D_P$	=	<input style="width: 100px;" type="text"/>	mm
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- Drive Pulley Inner Diameter..... 

$D_{Pi}$	=	<input style="width: 100px;" type="text"/>	mm
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- Drive Pulley Width (Thickness)..... 

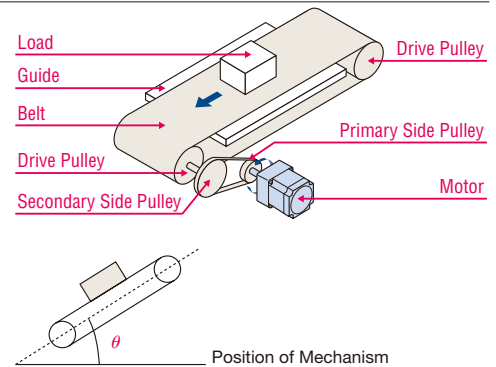
$L_P$	=	<input style="width: 100px;" type="text"/>	mm
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- Drive Pulley Mass..... 

$m_P$	=	<input style="width: 100px;" type="text"/>	kg/unit
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- Drive Pulley Material..... 

Materials:	<input style="width: 150px;" type="text"/>
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- Inclination Angle of the Mechanism..... 

$\theta$	=	<input style="width: 100px;" type="text"/>	deg.
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- External Force Applied (External force)..... 

$F_A$	=	<input style="width: 100px;" type="text"/>	N
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Please enter if you use connecting belt pulley or gear. Not required for direct connection.

- Primary Side Pulley Diameter and Mass..... 

$D_{P1}$	=	<input style="width: 100px;" type="text"/>	mm
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$m_{P1}$	=	<input style="width: 100px;" type="text"/>	kg
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 ● If the mass is unknown, please enter the width and material. → 

$L_{P1}$	=	<input style="width: 100px;" type="text"/>	mm
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Materials:	<input style="width: 150px;" type="text"/>
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- Secondary Side Pulley Diameter and Mass... 

$D_{P2}$	=	<input style="width: 100px;" type="text"/>	mm
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$m_{P2}$	=	<input style="width: 100px;" type="text"/>	kg
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 ● If the mass is unknown, please enter the width and material. → 

$L_{P2}$	=	<input style="width: 100px;" type="text"/>	mm
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Materials:	<input style="width: 150px;" type="text"/>
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- 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..... 

<input style="width: 100px;" type="text"/>	mm
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- Positioning Time..... 

$t_0$	=	<input style="width: 100px;" type="text"/>	s
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- Desired Acceleration and Deceleration Time..... 

$t_1$	=	<input style="width: 100px;" type="text"/>	s
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- Stop Time..... 

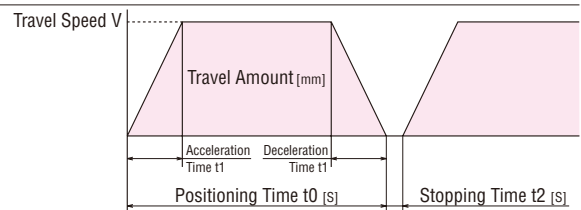
$t_2$	=	<input style="width: 100px;" type="text"/>	s
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- Desired Travel Speed (If any)..... 

$V$	=	<input style="width: 100px;" type="text"/>	mm/s
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- Desired Stopping Accuracy (If any)..... 

$\pm$	<input style="width: 100px;" type="text"/>	mm
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- Power Supply Voltage..... 

$V_i$	Hz
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- Necessity of Holding Force After Power is Turned off..... 

<input type="radio"/> Yes <input type="radio"/> No
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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.)	