Product Recommendation Information Sheet

Roller Conveyor

■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 [   ]

Desired Controller

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

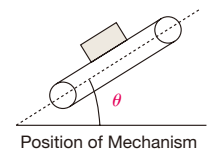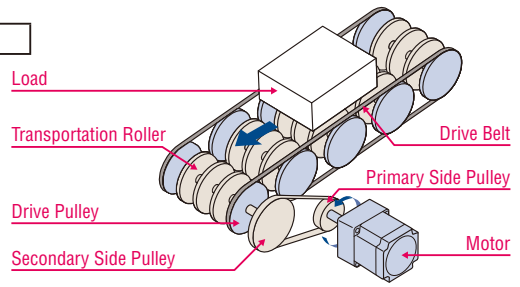If you wish to use a product from another company, enter the manufacturer name and the product name.

Manufacturer name:	Product name:

■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 m = ___ kg

● The Friction Coefficient Between the Transportation Roller and the Load μ = ___

● Number of Transportation Roller n_R = ___ unit(s)

● Transportation Roller Pitch Circle Diameter D_R = ___ mm

● Transportation Roller Inner Diameter D_{Ri} = ___ mm

● Transportation Roller Width (Thickness) L_R = ___ mm

● Transportation Roller Mass m_R = ___ kg/unit

● Transportation Roller Material Materials: ___

● Drive Belt Mass m_B = ___ kg/unit

● Number of Drive Belts n_B = ___ unit(s)

● Number of Drive Pulleys n = ___ unit(s)

● Drive Pulley Pitch Circle Diameter 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: ___

● Shaft Diameter ϕD_2 = ___ mm

● Shaft Length L = ___ mm

● Shaft Mass or Material m_2 = ___ kg or material→

● Number of Shaft ___ unit(s)

● Inclination Angle of the Mechanism θ = ___ deg.

● External Force Applied (External force) F_A = ___ N

Load
Transportation Roller
Drive Belt
Primary Side Pulley
Drive Pulley
Secondary Side Pulley
Motor

θ

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)··· $\pm$ | | 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]
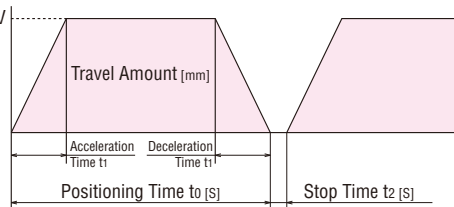
■Others

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

ORIENTAL MOTOR CO., LTD.