Product Recommendation Information Sheet

Cam

■ 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

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

● Total Mass of Load (Including table)··············· $m_1 =$ ___ kg

● Guide Friction Coefficient ························· $\mu =$ ___

Cam Dimensions

● Diameter ······································· $\phi D_C =$ ___ mm

● Eccentricity Volume ··························· $e =$ ___ mm

● Mass··· $m_C =$ ___ kg

● Thickness (Only if mass is unknown)··············· $t =$ ___ mm

● Material (Only if mass is unknown) ··············· Materials:

● Rolling Friction Coefficient of Cam Follower (Contact area) ··· $\mu =$ ___

● Pushing Force (Not including the mass of the load)··········· $F =$ ___ N

● Position of Mechanism ························· ○ Horizontal   ○ Vertical
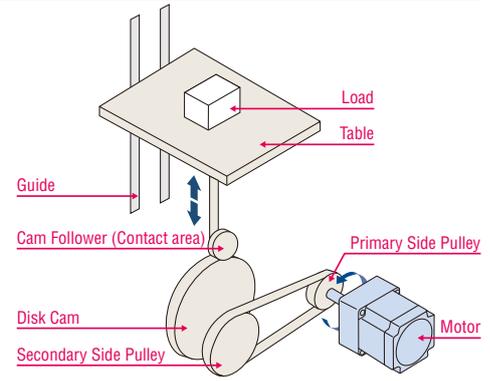
Cam Wire Figure (If there is more than 1 slope, enter the part with the steepest slope.)

● Travel Amount·································· ___ mm

● Cam Rotation Angle····························· ___ °
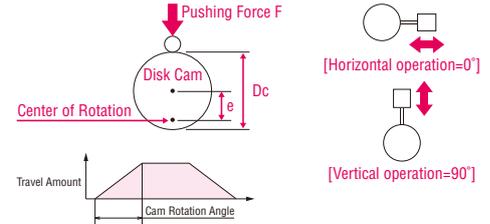
Please enter if you use connecting belt pulley or gear. Not required for direct connection.

● 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.

○ Continuous Operation

● Speed ··································· $N =$ ___ to ___ r/min

● Operating Time································ $t =$ ___ s

   (The above speed should be entered as the rotation speed of the disk cam)

○ Operating in Positioning Operation

● Cam Rotation Angle ····················· ___ °

● Positioning Time····························· $t_0 =$ ___ s

● Acceleration/Deceleration Time ········ $t_1 =$ ___ s

● Stop Time ·································· $t_2 =$ ___ s

● Desired Stopping Accuracy (If any)··· ± ___ °

● Power Supply Voltage ····················· ___ V, ___ Hz

● Necessity of Holding Force After Power is Turned off ········ ○ Yes   ○ No
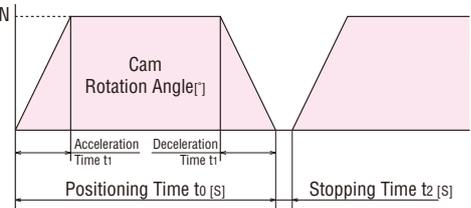
■Others

● Application, Equipment Name··················· [   ]

● Estimated Number of Units to be Used ····· [unit(s)]

● Estimated Purchase Date ······················· [   ]

● Supply Source (Sales office)··················· [   ]

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

ORIENTAL MOTOR CO., LTD.