Please check "✔" the corresponding item in □. If you are unable to make a selection, please leave it blank.

■ Select Series and Backlash of High Precision Reducer for Servo Motor
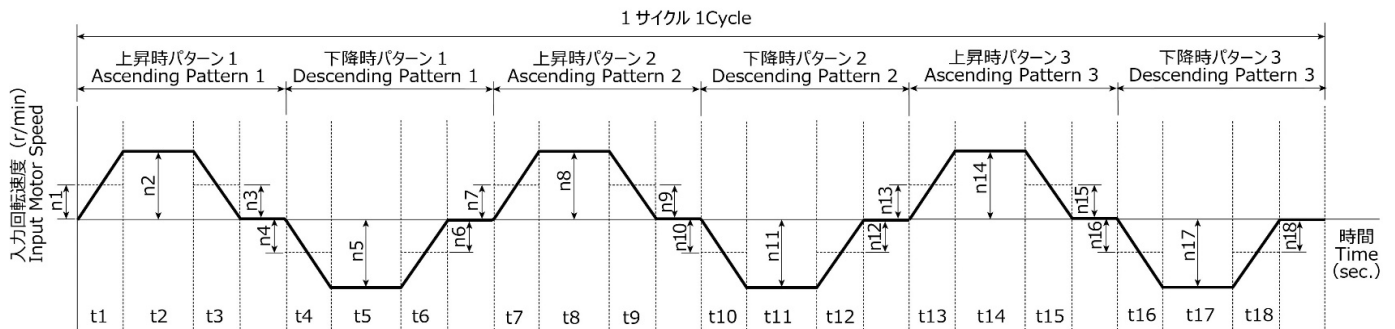
Series ➡ □ Compact Parallel Shaft・Planetary Type (APG)   □ Compact Hollow Shaft Type (AFC)   □ Compact Solid Shaft Type (AFC)
Backlash ➡ └ □ 3 arcmin □ 15 arcmin   └ □ 3 arcmin □ 30 arcmin   └ □ 3 arcmin □ 30 arcmin

Series ➡ □ Hollow Shaft Type (AF3)   □ Solid Shaft Type (AF3)   □ Parallel Shaft Type (AG3)   □ Right Angle Shaft (AH2)
Backlash ➡ └ □ 1 arcmin □ 3 arcmin   └ □ 1 arcmin □ 3 arcmin   └ □ Low Backlash   └ □ Low Backlash
   □ Low Backlash   □ Low Backlash   * Low Backlash (30 to 60 arcmin) accuracy would be different by reduction ratio.

   □ Requested Model 〔   〕 * If you already know the model number, please enter that in 〔   〕.

*Sample Image
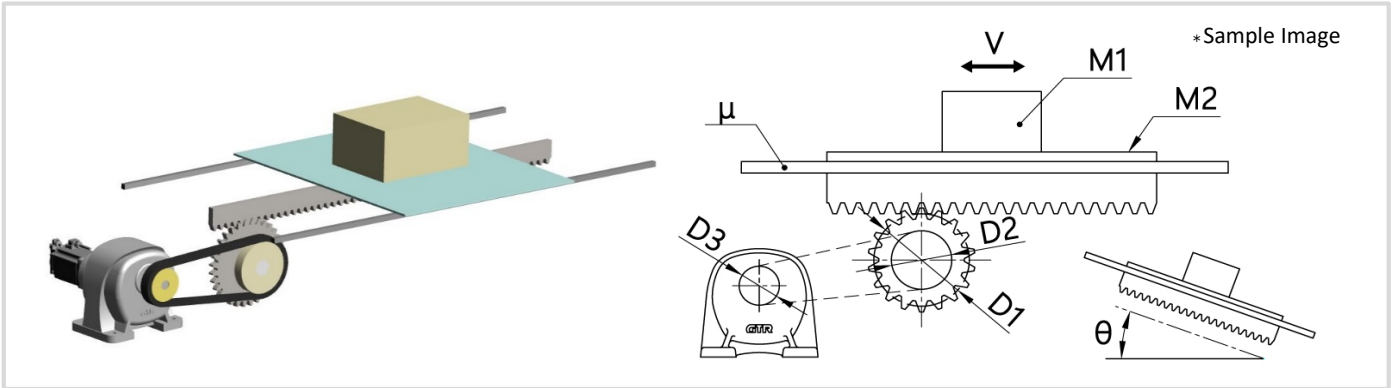
■ User Condition

● Moving Speed   V = [   ] mm/s   ● Inclination Angle   θ = [   ] °

● Weight of the Work   M1 = [   ] kg   ● Friction Coefficient of the Guide   μ = [   ]

● Weight of Rack and Table M2 = [   ] kg   ● Rated Rotational Speed of Servo Motor   N1 = [   ] r/min

● P.C.D. of Pinion   D1 = [   ] mm   ● Other User Condition

● P.C.D. of Driven Side Sprocket D2 = [   ] mm
   (Timing Pulley, Gear) * Not required for direct coupling
● P.C.D. of Drive Side Sprocket   D3 = [   ] mm
   (Timing Pulley, Gear) * Not required for direct coupling

■ Driving Pattern and Condition

1 サイクル 1Cycle

上昇時パターン 1 Ascending Pattern 1 | 下降時パターン 1 Descending Pattern 1 | 上昇時パターン 2 Ascending Pattern 2 | 下降時パターン 2 Descending Pattern 2 | 上昇時パターン 3 Ascending Pattern 3 | 下降時パターン 3 Descending Pattern 3

● Ascending Pattern 1

* Inclination Angle θ = 0 (Flat) , Please enter here.

Acceleration Time 1   t1 = [   ] sec.
Constant Speed Time 1   t2 = [   ] sec.
Deceleration Time 1   t3 = [   ] sec.
Enter Rotational Speed (Acceleration) 1   n1 = [n2/2] r/min   (Enter Average Rotational Speed)
Enter Rotational Speed (Constant Speed) 1 n2 = [   ] r/min
Enter Rotational Speed (Deceleration) 1   n3 = [n2/2] r/min   (Enter Average Rotational Speed)

● Descending Pattern 1

* Not required for Inclination Angle θ = 0 (Flat)

Acceleration Time 2   t4 = [   ] sec.
Constant Speed Time 2   t5 = [   ] sec.
Deceleration Time 2   t6 = [   ] sec.
Enter Rotational Speed (Acceleration) 2   n4 = [n5/2] r/min   (Enter Average Rotational Speed)
Enter Rotational Speed (Constant Speed) 2 n5 = [   ] r/min
Enter Rotational Speed (Deceleration) 2   n6 = [n5/2] r/min   (Enter Average Rotational Speed)

● Ascending Pattern 2

＊Inclination Angle θ＝ 0 (Flat) , Please enter here.

Acceleration Time 3 $t7 =$ [ ] sec.

Constant Speed Time 3 $t8 =$ [ ] sec.

Deceleration Time 3 $t9 =$ [ ] sec.

Enter Rotational Speed (Acceleration) 3 $n7 =$ [n8/2] r/min (Enter Average Rotational Speed)

Enter Rotational Speed (Constant Speed) 3 $n8 =$ [ ] r/min

Enter Rotational Speed (Deceleration) 3 $n9 =$ [n8/2] r/min (Enter Average Rotational Speed)

● Descending Pattern 2

＊Not required for Inclination Angle θ＝ 0 (Flat)

Acceleration Time 4 $t10 =$ [ ] sec.

Constant Speed Time 4 $t11 =$ [ ] sec.

Deceleration Time 4 $t12 =$ [ ] sec.

Enter Rotational Speed (Acceleration) 4 $n10 =$ [n11/2] r/min (Enter Average Rotational Speed)

Enter Rotational Speed (Constant Speed) 4 $n11 =$ [ ] r/min

Enter Rotational Speed (Deceleration) 4 $n12 =$ [n11/2] r/min (Enter Average Rotational Speed)

● Ascending Pattern 3

＊Inclination Angle θ＝ 0 (Flat) , Please enter here.

Acceleration Time 5 $t13 =$ [ ] sec.

Constant Speed Time 5 $t14 =$ [ ] sec.

Deceleration Time 5 $t15 =$ [ ] sec.

Enter Rotational Speed (Acceleration) 5 $n13 =$ [n14/2] r/min (Enter Average Rotational Speed)

Enter Rotational Speed (Constant Speed) 5 $n14 =$ [ ] r/min

Enter Rotational Speed (Deceleration) 5 $n15 =$ [n14/2] r/min (Enter Average Rotational Speed)

● Descending Pattern 3

＊Not required for Inclination Angle θ＝ 0 (Flat)

Acceleration Time 6 $t16 =$ [ ] sec.

Constant Speed Time 6 $t17 =$ [ ] sec.

Deceleration Time 6 $t18 =$ [ ] sec.

Enter Rotational Speed (Acceleration) 6 $n16 =$ [n17/2] r/min (Enter Average Rotational Speed)

Enter Rotational Speed (Constant Speed) 6 $n17 =$ [ ] r/min

Enter Rotational Speed (Deceleration) 6 $n18 =$ [n17/2] r/min (Enter Average Rotational Speed)

● Other Driving Pattern and Driving Condition

[ ]

■ Planned Servo Motor to Use ＊If you planned to use specific Sevo Motor, please write here. (Model, Series , Specfication etc…)

[ ]

■ Customer Information

CS center Technical Support Desk
E-mail：tech-cs@nissei-gtr.co.jp

Company Name	Address
Department	
Job Title	Phone Number
Name	FAX Number
	E-mail

Purpose of Selection　☐ New Facility　☐ Replacement　☐ Change model　☐ Others〔　　　　　〕

Type of Industry
☐ Conveyor　☐ Food Processing Machine　☐ Machine for Agriculture or Fisheries
☐ Tooling Machine　☐ Packaging Machine　☐ Printing・Paper Converting Machine
☐ Special Machine　☐ Construction Machine　☐ Electrical and Electric Equipment
☐ Medical Equipment　☐ Design Office　☐ Trading Company　☐ Others〔　　　　　〕

Notice　Please note that we may send you separate message after registering your information we have obtained through customer inquiries.
Please let us know anytime if you want us to delete your information from our system.

NISSEI CORPORATION