Selection Table of Servo Capacity

1. General customer information

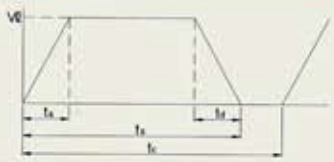
Date		Name		TEL	
Name of Product		The number of shaft		FAX	
Control Type	Standard Type(VS)	Speed, position, torque, speed/position, speed/torque, position/torque			
	Controller Type(VS)	Linear coordinates operation(x-y), Rotary coordinates operation(index, turret), Feeder operation, Position decision operation after sensor, 2 Step round operation(drill, automatic door), Pulse synchronized operation, PUSH-PULL operation(pressure, tensile control, press)			
	Tension Control Type	Normal type, Radius compensation control type			

2. Operation Cycle and Load Spec.

1. Operation cycle

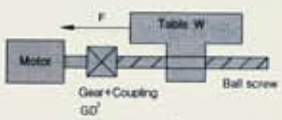
Position decision length Ls [sec]
Position decision time ts [sec]
Transfer speed V ℓ [m/min]

Operation period tc [sec]
Acceleration time ta [sec]
Deceleration time td [sec]



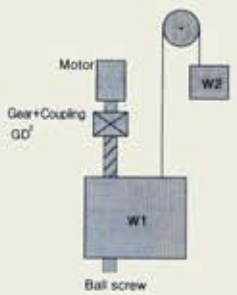
2. Ball screw(horizontal axis)

Load weight W [kg]
Impellent force F [kg]
Friction coefficient μ
Total efficiency η
Deceleration ratio R(Nm/N ℓ)
Gear+Coupling GD² [kg · cm²]
Ball screw pitch P [mm]
Ball screw diameter D [mm]
Ball screw length L [mm]



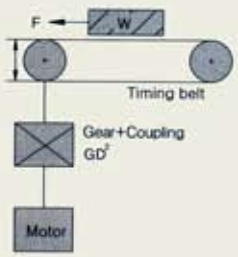
3. Ball screw(vertical axis)

Load weight W [kg]
Counter waiter W2 [kg]
Friction coefficient μ
Total efficiency η
Deceleration ratio R(Nm/N ℓ)
Gear+Coupling GD² [kg · cm²]
Ball screw pitch P [mm]
Ball screw diameter D [mm]
Ball screw length L [mm]



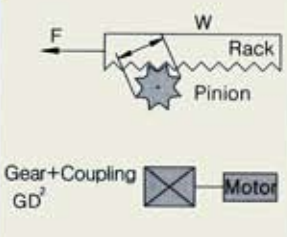
4. Timing belt

Load weight W [kg]
Impellent force F [kg]
Friction coefficient μ
Total efficiency η
Deceleration ratio R(Nm/N ℓ)
Gear+Coupling GD² [kg · cm²]
Pulley GD² [kg · cm²]
Pulley diameter D [mm]



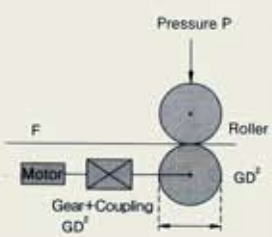
5. Rack pinion

Load weight W kg]
Impellent force F [kg]
Friction coefficient μ
Total efficiency η
Deceleration ratio R(Nm/N ℓ)
Gear+Coupling GD² [kg · cm²]
Pinion diameter D [mm]
Pinion thickness t [mm]



6. Roll feeder

Load GD² [kg · cm²]
Tension F [kg]
Pressure P [kg]
Roll diameter D [mm]
Friction coefficient μ
Total efficiency η
Decleration ratio R(Nm/N ℓ)
Gear+Coupling GD² [kg · m²]



7. Rotating body

Load GD² [kg · cm²]
Load torque T ℓ [kg · cm]
Total efficiency η
Decleration ratio R(Nm/N ℓ)
Gear+Coupling GD² kg · cm²]