

Rotary

RCP6/RCP2 Series

24v
stepper
motor

RCP2-RTBS/RTBSL



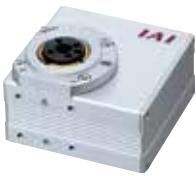
RCP2-RTB/RTBL



RCP2-RTBB/RTBBL



RCP2-RTCS/RTCSL



RCP2-RTC/RTCL



RCP2-RTCB/RTCBL



RCP6-RTFML



Applicable controller

1 axis

PCON controller



2 axes or more

RCON controller



Complex operations (program type)

RSEL Controller

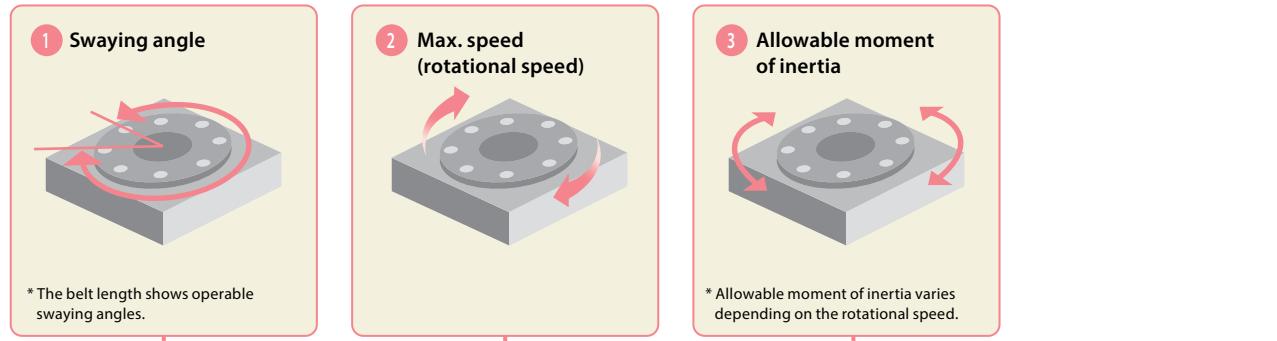


Actuator
■ 1 axis

Actuator
■ 2 axes or more

- Operations with a 2D/3D trajectory
- Palletizing operations
- Registration of multi-axis operations

Description of Table and Reference Pages



1 Swaying angle

* The belt length shows operable swaying angles.

2 Max. speed (rotational speed)

3 Allowable moment of inertia

* Allowable moment of inertia varies depending on the rotational speed.

Series	Type	Swaying angle (degree) and Max. speed (degree/s)				Max. torque (N)	Allowable moment of inertia ($\text{kg}\cdot\text{m}^2$)
		180	330	360	Multi rotation		
RCP2	RTBS	400				0.24	0.0023
	RTCS	266				0.36	0.0035
	RTBSL	400				0.24	0.0023
	RTCSL	266				0.36	0.0035
	RTB	600				1.1	0.01
	RTC	400				1.7	0.015
	RTBL	600				1.1	0.01
	RTCL	400				1.7	0.015
	RTBB	600				3	0.02
	RTCB	400				4.6	0.03
RCF6	RTBBL	600				3	0.02
	RTCBL	400				4.6	0.03
RCF6	RTFML	800				5.2	0.08

Rotary type

RCS2/RS Series

200VAC
servo
motor

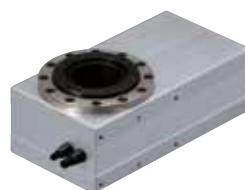
RCS2-RTC8L



RCS2-RTC10L



RCS2-RTC12L



RS-30



RS-60



DDA Series

Direct
drive
motor

DDA-LT18C



DDA-LT18C-B



DDA-LH18C



DDA-LH18C-B



Applicable controller

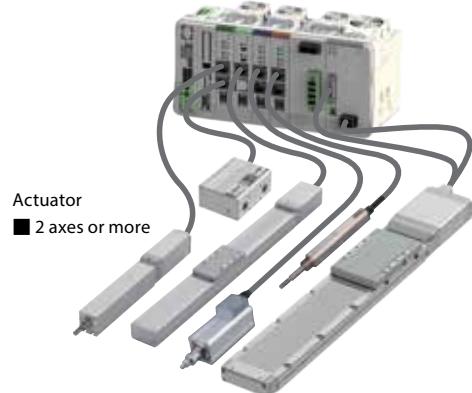
1 axis

SCON controller



2 axes or more

RCON controller



Complex operations (program type)

RSEL Controller



Actuator
■ 1 axis

To connect RCS2-RTC8 and RS-30 with the R unit (RCON/RSEL),
an additional extension unit (RCON-EXT) and SCON are necessary.
[Note] Connectable controllers for the DDA Series differ according
to the operation type and resolution.
Refer to the each actuator page for details.

- Operations with a 2D/3D trajectory
- Palletizing operations
- Registration of multi-axis operations

Description of Table and Reference Pages

The diagram illustrates three key concepts:

- 1 Swaying angle**: Shows a motor with a belt and pulleys, indicating the range of rotation.
- 2 Max. speed (rotational speed)**: Shows a motor with a belt and pulleys, indicating the maximum rotational speed.
- 3 Allowable moment of inertia**: Shows a motor with a belt and pulleys, indicating the maximum allowable moment of inertia.

* The belt length shows operable swaying angles.

* Allowable moment of inertia varies depending on the rotational speed.

Series	Type	Swaying (degree) and Max. speed (degree/s)				Max. torque (N)	Allowable moment of inertia ($\text{kg} \cdot \text{m}^2$)
		180	330	360	Multi rotation		
RCS2	RTC8L (12W)	750				0.55	0.011
	RTC8HL (20W)	1200				0.53	0.01
	RTC10L	750				0.85	0.017
	RTC12L	800				1.7	0.033
DDA	LT18C LT18C-B	1200				2.8	0.054
	LH18C LH18C-B	750				5.2	0.1
RS	30	800				8.6	0.17
		600				25.2	0.6
	60	1440				75	1.8
		360				6.6	0.0578
		180				13.3	0.2303
		360				11.17	0.108
		180				22.28	0.421