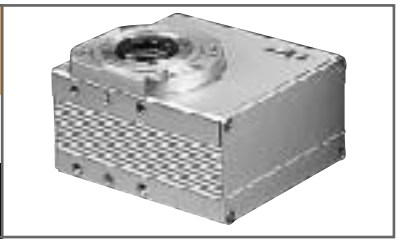
RCP2-RTC

Robo Rotary: Flat Type (88 mm wide), Pulse Motor, Hollow Shaft Type

Type	Oscillation angle	Maximum torque
Rotary (88 mm wide)	330°	1.7N•m



Model Specification Items

Series	Type	Encoder type	Motor	Gear ratio	Stroke	Applicable controller	Cable length	Options
(Example) RCP2	RTC	I	PM	20	330	P1	S	SA

* Refer to page 37 for details on the specification items.

Model/Specifications

Model	Encoder type	Motor	Gear ratio	Oscillation angle (deg)	Maximum speed (Note 1) (deg/sec)	Maximum torque (Note 2) (N-m)	Allowable inertial moment (kg-m2)
RCP2-RTC-I-PM-20-330-P1-△-☐	Incremental	Pulse motor	1/20	330	600	1.1	0.01
RCP2-RTC-I-PM-30-330-P1-△-☐			1/30		400	1.7	0.015

* In the above model name, △ indicates the cable length and ☐ the applicable option(s).

Options

Name	Type	Page
Shaft Adapter	SA	→P140
Flange Adapter	TA	→P140

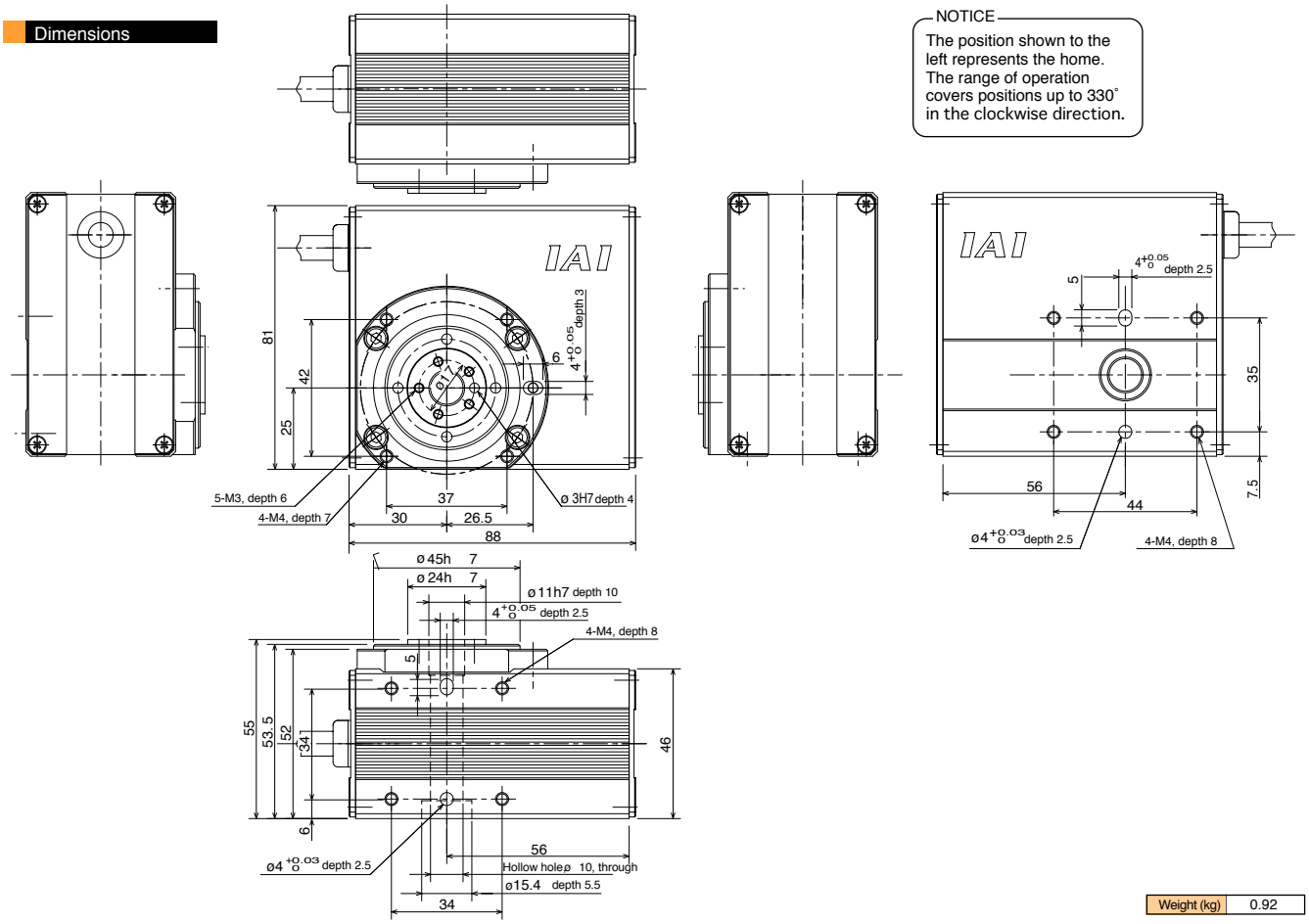
Common Specifications

★ Refer to page 8 for details on the common specification items.

Drive system	Hypoid gear
Positioning repeatability (Note 3)	±0.01°
Backlash	±0.1°
Thrust Force Limit	50 N
Allowable load moment	3.9N・m
Base	Material: Aluminum with white alumite treatment
Cable length (Note 4)	N: No cable, P: 1 m, S: 3 m, M: 5 m, X☐☐: Length specification, R☐☐: Robot cable
Weight	0.92kg

Dimensions

NOTICE
The position shown to the left represents the home. The range of operation covers positions up to 330° in the clockwise direction.



Weight (kg)	0.92

Specifications

Applicable controller	Maximum number of controlled axes	Compatible encoder type	Program operation	Positioner operation	Pulse-train control	Power-supply voltage	Page
RCP2-C	1 axis	Incremental	×	○	×	DC24V	→P151
RCP2-CG	1 axis	Incremental	×	○	×	DC24V	→P151

Caution

(Note 1) The maximum specified speed in no-load state.
(Note 2) The maximum torque that may generate at low speed (the actual torque will vary depending on the speed).
(Note 3) The positioning repeatability when the target position is approached from the same direction.
(Note 4) The maximum cable length is 20 m. Specify the desired length in meters (e.g., X08 = 8 m).

★ Refer to page 23 for other points to note.