Rod Type

Mini

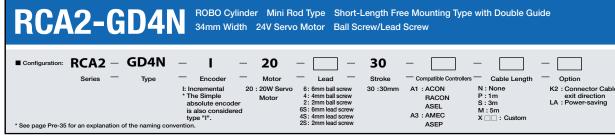
Standard

Controllers
Integrated

Table/Arm
//Flat Typ

Mini

Standard





- (1) The horizontal load capacity is based on the use of a guide to prevent any radial and/or moment load on the rod. If no guide will be installed, see the Tip Load vs. Service Life graph (\rightarrow page
- (2) The load capacity is based on operation at an acceleration of 0.3G (0.2G for the 2mm-lead model, lead screw model, or when used vertically). This is the upper limit of the acceleration.
- (3) When using the lead screw model, please use it for applications that are suitable for its characteristics. (See page Pre-42 for more information.)

Actuator Specifications

■ Lead and Load Capacity								
Model	Motor Output (w)	Feed Screw	Lead (mm)	Max. Load Horizontal (kg)		Rated Thrust (N)	Positioning Repeatability (mm)	Stroke (mm)
RCA2-GD4N-I-20-6-30-① -② -③			6	2	0.5	33.8		
RCA2-GD4N-I-20-4-30-① -② -③	20	Ball Screw	4	3	0.75	50.7	±0.02	30
RCA2-GD4N-I-20-2-30-10-20-3			2	6	1.5	101.5		
RCA2-GD4N-I-20-6S-30-1 -2 -3			6	0.25	0.125	19.9		
RCA2-GD4N-I-20-4S-30-1 - 2 - 3	20	Lead Screw	4	0.5	0.25	29.8	±0.05	30
RCA2-GD4N-I-20-2S-30-1 - 2 - 3			2	1	0.5	59.7		
Legend ① Compatible controller ② Cable length ③ Options								

m)	Lea	_	(mm)
60	We	6	270 <220
	Ball Screw	4	200
	Ba	2	100
.0	ew	6	220
	Lead Screw	4	200
	Les	2	100

Stroke and Maximum Speed

30

Standard Price

* The values enclosed in < > apply for vertical usage. (Unit: mm/s)

X20 (20m)

Stroke List		
	Standa	rd Price
Stroke (mm)	Feed Screw	
	Ball Screw	Lead screw
30	-	-

② Cable Lis	t
Туре	Cable Symbol
Standard	P (1m)
(Robot Cables)	S (3m)
(NODOL Gables)	M (5m)
	X06 (6m) ~ X10 (10m)

Special Lengths X11 (11m) ~

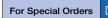
Actuator Specifications

- X16 (16m) * The RCA2 comes standard with a robot cable.
- * See page A-39 for cables for maintenance.

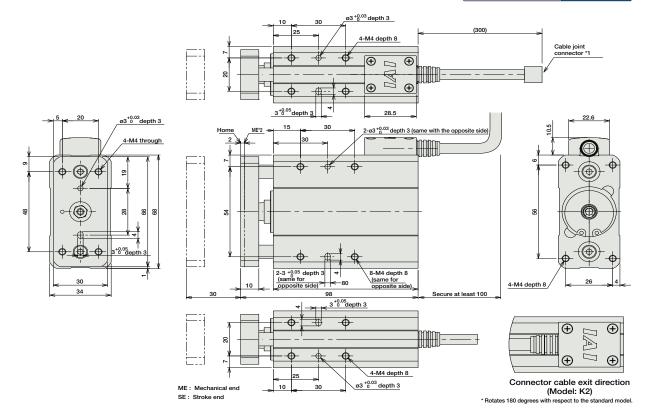
Option Code	See Page	Standard Price
K2	→ A-32	-
LA	→ A-32	-
	K2	K2 → A-32

Item	Description
Drive System	Ball screw/lead screw ø6mm C10 grade
Lost Motion	Ball screw: 0.1mm or less/lead screw: 0.3mm or less (initial value)
Frame	Material: Aluminum (white alumite treated)
Ambient Operating Temp./Humidity	0~40°C, 85% RH or less (non-condensing)
Service Life Lead Screw	Horizontal: 10 million cycles Vertical: 5 million cycles

191 RCA2-GD4N







*1 A motor-encoder cable is connected here. See page A-39 for details on cables.

① Compatible Controllers

*2 When homing, the rod moves to the mechanical end; therefore, please watch for any interference with the surrounding objects.

■ Dimensions/Weight by Stroke

Stroke	30
Weight (kg)	0.64

Standard Price See Page

The HCA2 series actuators can operate with the controllers below. Select the controller according to your usage.						
Name	External View	Model	Description	Max. Positioning Points	Input Voltage	Power Supply C
Solenoid Valve Type		AMEC-C-20I①-NP-2-1	Easy-to-use controller, even for beginners		AC100V	2.4A rate
Sciencia valve type	1	ASEP-C-20I①-NP-2-0	Operable with some signal as colonaid valve	3 points		

	External rion	inodo:		max. r contorning r circo	input voitage	топогодрану одраску		occ i ago
Solenoid Valve Type		AMEC-C-20I①-NP-2-1	Easy-to-use controller, even for beginners		AC100V	2.4A rated	-	→ P477
Soletiola valve Type		ASEP-C-20I①-NP-2-0	Operable with same signal as solenoid valve. Supports both single and double solenoid types.	3 points			-	→ P487
Splash-Proof Solenoid Valve Type		ASEP-CW-20I①-NP-2-0	No homing necessary with simple absolute type.				-	7 - 407
Positioner Type	E	ACON-C-20I①-NP-2-0	Positioning is possible for up to 512 points	512 points	DC24V	(Standard) 1.3A rated 4.4A max. (Power-saving)	-	→ P535
Safety-Compliant Positioner Type		ACON-CG-20I①-NP-2-0	Positioning is possible for up to 312 points				-	
Pulse Train Input Type (Differential Line Driver)		ACON-PL-20I①-NP-2-0	Pulse train input type with differential line driver support	(-)			-	
Pulse Train Input Type (Open Collector)	c	ACON-PO-20I①-NP-2-0	Pulse train input type with open collector support	(-)		1.3A rated 2.5A max.	-	
Serial Communication Type	1	ACON-SE-20I①-N-0-0	Dedicated to serial communication	64 points			-	
Field Network Type		RACON-20①	Dedicated to field network	768 points			-	→ P503
Program Control Type		ASEL-C-1-20I①-NP-2-0	Programmed operation is possible Operation is possible on up to 2 axes	1500 points			-	→ P567
				* This is for the si * ① is a placehole			r-saving option is spe	cified.

IAI

192



Mini
Standard
Controllers
Integrated
Rod
Type
Mini
Standard
Controllers
Integrated
Table/Arm
/Flat Type
Mini
Standard

Splash Proof

Controllers

PMEC
/AMEC
PSEP
/ASEP

ROBO
NET

ERC2

PCON

ACON

SCON

PSEL

ASEL