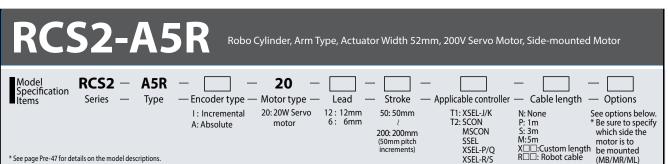
\* See page Pre-47 for details on the model descriptions.

Arm Flat Type



 $C \in$ RoHS \*CE compliance is optional.



Technical References



selectio

- (1) When the stroke increases, the maximum speed will drop to prevent the ball screw from reaching the critical rotational speed. Use the actuator specification table below to check the maximum speed at the stroke you desire.
- (2) The load capacity is based on operation at an acceleration of 0.2G. This is the upper limit of the acceleration.
- (3) See page A-71 for details on push motion.

XSEL-R/S

# Actuator Specifications

# ■ Leads and Pavloads

Model number	Model number Motor output (W) (mm) Horizontal (kg) Vertical (kg)		Rated thrust (N)	Stroke (mm)		
RCS2-A5R-①-20-12-②-③-④-B-⑤	20	12		2	33.3	50~200
RCS2-A5R-①-20-6-②-③-④-B-⑤	20	6	_	4	65.7	(every 50mm)

## ■ Stroke and Maximum Speed

Stroke Lead	50~200 (every 50mm)
12	400
6	200

Code explanation ① Encoder ② Stroke ③ Applicable Controller ④ Cable Length ⑤ Options \*See page A-71 for details on push motion.

Standard price

(Unit: mm/s)

### ①Encoder Type/②Stroke

© Zineo dei 1) per © Diroke					
	Standard price				
	. •				
②Stroke (mm)	①Encoder Type				
	Incremental	Absolute			
		Δ			
50	<del>-</del>	_			
100	_	_			
150	_	_			
200	_	_			

Option code

CE

MB

MR

ML

NM

See page

→ A-42

→ A-42

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→ A-52

→ A-52

→ A-52

# **4** Cable Length

Туре	Cable symbol	Standard Price
	<b>P</b> (1m)	_
Standard	<b>S</b> (3m)	_
	<b>M</b> (5m)	_
Special length	<b>X06</b> (6m) ~ <b>X10</b> (10m)	_
	X11 (11m) ~ X15 (15m)	_
	X16 (16m) ~ X20 (20m)	_
Robot Cable	R01 (1m) ~ R03 (3m)	_
	R04 (4m) ~ R05 (5m)	_
	R06 (6m) ~ R10 (10m)	_
	R11 (11m) ~ R15 (15m)	_
	R16 (16m) ~ R20 (20m)	_

<sup>\*</sup> See page A-59 for cables for maintenance.

### Actuator Specifications

_	
Item	Description
Drive System	Ball screw, ø10mm, rolled C10 (ball screw speed reduced by 1/2 by timing belt)
Positioning repeatability	±0.02mm
Lost Motion	0.1mm or less
Base	Material: Aluminum, white alumite treated
Allowable dynamic moment	Ma: 4.5 N·m, Mb: 5.4 N·m, Mc: 4.1 N·m
Ambient operating temperature, humidity	0 to 40°C, 85% RH or less (Non-condensing)

Directions of allowable load moments







Name

(5) Options

CE compliance

Bottom-mounted motor

Non-motor end specification

Right-mounted motor

Left-mounted motor

Brake

# www.intelligentactuator.com

For Special Orders





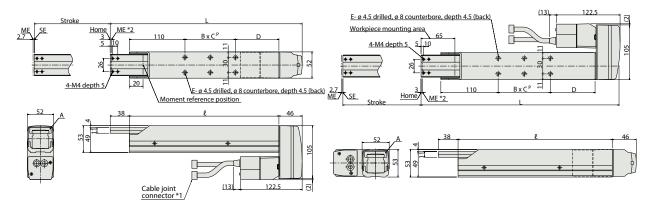


- (\*1) Connect the motor and encoder cables here. See page A-59 for details on cables.
- (\*2) After homing, the slider moves to the ME, therefore, please watch for any interference with surrounding objects.

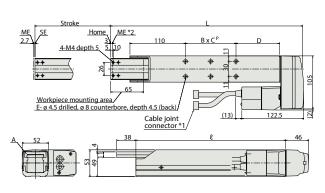
SE: Stroke end ME: Mechanical end

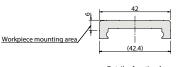
#### **Bottom-mounted motor (option code: MB)**

# Right-mounted motor (option code: MR)



# Left-mounted motor (option code: ML)







### ■ Dimensions and Weight by Stroke

		_	•	
Stroke	50	100	150	200
L	280	330	380	430
l	196	246	296	346
B x C <sup>p</sup>	1×30	1×50	2×50	2×50
D	56	86	86	136
E	4	4	6	6
Weight (kg)	2.2	2.4	2.6	2.8

Note: The 50mm stroke model is only available with a rightor left-mounted motor. Please note that there is no 50mm stroke configuration for the standard model.

## ③ Applicable Controllers

RCS2-series actuators can be operated with the following controllers. Select an appropriate controller type according to your applications.

Name	External view	Model number	Features	Maximum number of positioning points	Input power	Power supply capacity	Standard price	Reference page
Positioner mode			Up to 512 positioning points are supported.	512 points	Single-phase 100VAC *Powers capacit vary de 200VAC on the 200VAC (XSEL-P/Q/R/S ONLY) **Powers capacit vary de control please the inst manua	106 VA max.  *Power supply capacity will		
Solenoid valve mode	H	SCON-CA-20(1)-NP-2-(11)	Actuators can be operated through the same control used for solenoid valves.	7 points			_	→ P643
Field network type			Movement by numerical specification is supported.	768 points			_	→ P043
Pulse-train input control type			Dedicated pulse-train input type	(-)		vary depending	_	
Positioner multi-axis, network type	图核	MSCON-C-1-20①-②-0-⑪	Up to 6 axes can be operated. Movement by numerical specification is supported.	256 points		please refer to the instruction manual for details.	_	→ P655
Program control type, 1 to 2 axes		SSEL-CS-1-20①-NP-2-⑪	Program operation is supported. Up to 2 axes can be operated.	20000 points			_	→ P685
Program control type, 1 to 8 axes	emea	XSEL-(1)-1-20(1)-N1-EEE-2-(1)	Program operation is supported. Up to 8 axes can be operated.	Varies depending on the number of axis connected			_	→ P695

\*This is for the single-axis MSCON, SSEL, and XSEL.

\*  $\oplus$  indicates the power-supply voltage type (1: 100 V / 2: Single-phase 200 V). \*  $\oplus$  indicates the XSEL type (1/K/P/Q/R/S). \*  $\oplus$  indicates the power-supply voltage type (1: 100 V / 2: Single-phase 200 V / 3: Three-phase 200 V). \*  $\oplus$  indicates field network specification symbol.

- \* ① indicates the encoder type (I: Incremental / A: Absolute).

Flat Type