

When selecting, take into account the load moment and the load inertia.

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Actuator Specifications							
■ Lead and Load Capacity						■ Stroke and	d Maximum Speed
Model	Motor Output (W)		Rated torque (N·m)	Allowable Moment of Inertia (kg·m²)	Oscillation Angle (deg)	Oscillation Angle Deceleration Ratio	300 (deg)
RCS2-RT6-I-60-18-300-①-②-L	60	1/18	2.4	2.5×10 ⁻² or less	300	1/18	500
Legend: ① Compatible controller ② Cable length							(Unit: degrees/s

Stroke List	
Oscillation Angle (deg)	Standard Price
300	_

2 Cable List				
Туре	Cable Symbol	Standard Price		
	P (1m)	_		
Standard Type	S (3m)	-		
	M (5m)	_		
	X06 (6m) ~ X10 (10m)	-		
Special Lengths	X11 (11m) ~ X15 (15m)	-		
	X16 (16m) ~ X20 (20m)	-		
	R01 (1m) ~ R03 (3m)	_		
	R04 (4m) ~ R05 (5m)	-		
Robot Cable	R06 (6m) ~ R10 (10m)	-		
	R11 (11m) ~ R15 (15m)	-		
	R16 (16m) ~ R20 (20m)	_		
* Coo page A 20 f	or cables for maintenance			

See page A-39 for cables for maintenance.

Actuator Specifications				
Item	Description			
Drive System	Ball speed reducer			
Positioning Repeatability	±0.02 degrees			
Lost Motion	0.1 degrees or less			
Base	Material: Aluminum (white alumite treated)			
Allowable Load Moment	6.8N·m or less			
Thrust load	100N or less			
Ambient Operating Temp./Humidity	$0\sim40^{\circ}\text{C}$, 85% RH or less (non-condensing)			

Dimensions

CAD drawings can be downloaded from IAI website. www.intelligentactuator.com

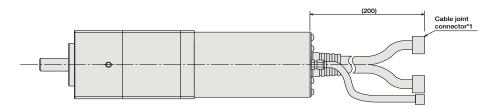
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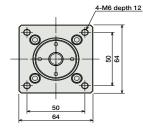


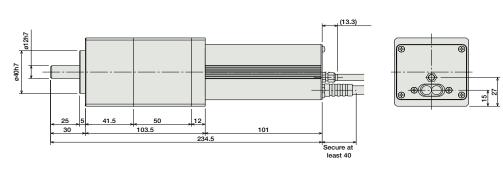




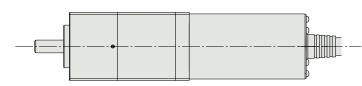
* For more information on homing, see page A-79.







*1 The motor cable, encoder cable, and limit switch cable are connected here. See page A-39 for details on cables.



Weight (kg) 1.9

① Compatible Controllers

Name	External View	Model	Description	Max. Positioning Points	Input Voltage	Power Supply Capacity	Standard Price	See Page
Positioner Mode		SCON-C-60-NP-2-⊕	Positioning is possible for up to 512 points	512 points	Single-phase AC100V Single-phase AC200V	360VA max.		→ P 547
Solenoid Valve Mode			Operable with the same controls as the solenoid valve	7 points				
Serial Communication Type			Dedicated to serial communication				_	→ F 547
Pulse Train Input Control Type			Dedicated to pulse train input	(-)	Three-phase AC200V (XSEL-P/Q only)			
Program Control 1-2 Axes Type		SSEL-C-1-60-NP-2-①	Programmed operation is possible Operation is possible on up to 2 axes	20000 points			-	→ P577
Program Control 1-6 Axes Type	Pilita	XSEL-2-1-60-N1-EEE-2-3	Programmed operation is possible Operation is possible on up to 6 axes	20000 points			-	→ P587

* For SSEL and XSEL, only applicable to the single-axis model.

*① is a placeholder for the power supply voltage (1: 100V, or 2: single-phase 200V).
*② is a placeholder for the type name of XSEL ("J", "K", "P", "Q"),
*③ is a placeholder for the type of power supply voltage (1: 100V, 2: single-phase 200V, or 3: 3-phase 200V).

RCS2-RT6R ROBO Cylinder Rotary Side-Mounted Motor 64mm Width 200V Servo Motor ■ Configuration: RCS2- RT6R-60 **18** -300 N : None P : 1m S : 3m T1:XSEL-J/K I: Incremental 60:60W Servo 18: 1/18 300: 300degrees L :Limit switch (equipped as standard) Motor T2:SCON SSEL M:5m X : Custom R : Robot cable * See page Pre-35 for an explanation of the naming convention.

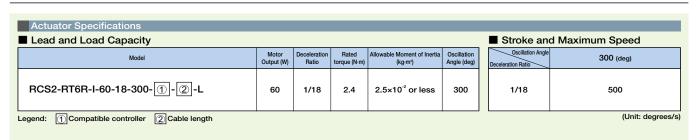


Technical References



Notes on Selection (2)

- (1) The thrust load is the mechanical strength of the output axis at rest. When selecting, take into account the load moment and the load inertia.
- (2) The rated acceleration while moving is 0.3G.



Stroke List	
Oscillation Angle (deg)	Standard Price
300	-

② Cable List				
Туре	Cable Symbol	Standard Price		
	P (1m)	_		
Standard Type	S (3m)	-		
	M (5m)	_		
Special Lengths	X06 (6m) ~ X10 (10m)	-		
	X11 (11m) ~ X15 (15m)	-		
	X16 (16m) ~ X20 (20m)	-		
	R01 (1m) ~ R03 (3m)	_		
	R04 (4m) ~ R05 (5m)	-		
Robot Cable	R06 (6m) ~ R10 (10m)	_		
	R11 (11m) ~ R15 (15m)	-		
	R16 (16m) ~ R20 (20m)	_		

^{*} See page A-39 for cables for maintenance.

Actuator Specifications				
Item	Description			
Drive System	Ball speed reducer + timing belt			
Positioning Repeatability	±0.02 degrees			
Lost Motion	0.1 degrees or less			
Base	Material: Aluminum (white alumite treated)			
Allowable Load Moment	6.8N·m or less			
Thrust load	100N or less			
Ambient Operating Temp./Humidity	$0\sim$ 40°C, 85% RH or less (non-condensing)			

Dimensions

CAD drawings can be downloaded from IAI website. www.intelligentactuator.com

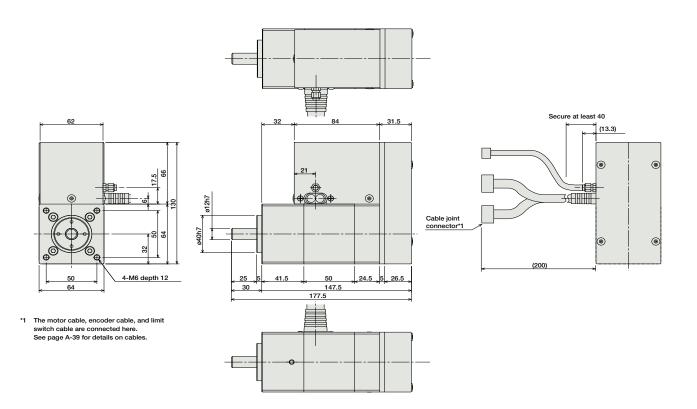
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* For more information on homing, see page A-79.



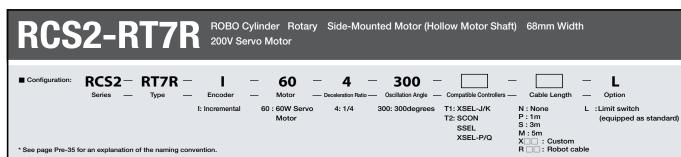
Weight (kg) 2.8

① Compatible Controllers

The RCS2 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 Capacity	Standard Price	See Page
Positioner Mode			Positioning is possible for up to 512 points	512 points	Single-phase AC100V Single-phase AC200V	360VA max.		
Solenoid Valve Mode			Operable with the same controls as the solenoid valve	7 points				→ P 547
Serial Communication Type			Dedicated to serial communication				-	→ P347
Pulse Train Input Control Type			Dedicated to pulse train input	(-)	Three-phase AC200V (XSEL-P/Q only)			
Program Control 1-2 Axes Type		SSEL-C-1-60-NP-2-①	Programmed operation is possible Operation is possible on up to 2 axes	20000 points			-	→ P577
Program Control 1-6 Axes Type	Pilita	XSEL-2-1-60-N1-EEE-2-3	Programmed operation is possible Operation is possible on up to 6 axes	20000 points			-	→ P587

- * For SSEL and XSEL, only applicable to the single-axis model.

- *① is a placeholder for the power supply voltage (1:100V, or 2: single-phase 200V).
 *② is a placeholder for the type name of XSEL ("J", "K", "P", "Q"),
 *③ is a placeholder for the type of power supply voltage (1:100V, 2: single-phase 200V, or 3: 3-phase 200V).





Technical References



- (1) The thrust load is the mechanical strength of the output axis at rest. When selecting, take into account the load moment and the load inertia.
- (2) The rated acceleration while moving is 0.3G.



Stroke List	
Oscillation Angle (deg)	Standard Price
300	_

② Cable List				
Cable Symbol	Standard Price			
P (1m)	_			
S (3m)	-			
M (5m)	-			
X06 (6m) ~ X10 (10m)	-			
X11 (11m) ~ X15 (15m)	_			
X16 (16m) ~ X20 (20m)	-			
R01 (1m) ~ R03 (3m)	-			
R04 (4m) ~ R05 (5m)	-			
R06 (6m) ~ R10 (10m)	_			
R11 (11m) ~ R15 (15m)	-			
R16 (16m) ~ R20 (20m)	_			
	P (1m) S (3m) M (5m) X06 (6m) ~ X10 (10m) X11 (11m) ~ X15 (15m) X16 (16m) ~ X20 (20m) R01 (1m) ~ R03 (3m) R04 (4m) ~ R05 (5m) R06 (6m) ~ R10 (10m) R11 (11m) ~ R15 (15m)			

See page A-39 for cables for maintenance.

Actuator Specifications				
Item	Description			
Drive System	Timing Belt			
Positioning Repeatability	±0.1 degrees			
Lost Motion	0.5 degrees or less			
Base	Material: Aluminum (white alumite treated)			
Allowable Load Moment	8.9N⋅m or less			
Thrust load	100N or less			
Ambient Operating Temp./Humidity	$0\sim$ 40°C, 85% RH or less (non-condensing)			

Dimensions

CAD drawings can be downloaded from IAI website. www.intelligentactuator.com

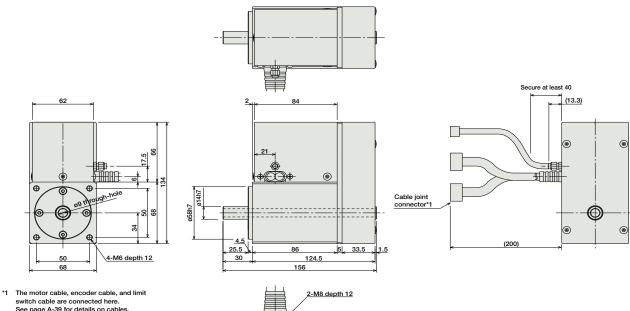
For Special Orders



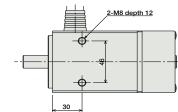




* For more information on homing, see page A-79.



switch cable are connected here.
See page A-39 for details on cables.



Weight (kg) 2.6

① Compatible Controllers

The RCS2 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 Capacity	Standard Price	See Page
Positioner Mode	ĺ	SCON-C-60-NP-2-①	Positioning is possible for up to 512 points	512 points	Single-phase AC100V Single-phase AC200V Three-phase AC200V (XSEL-P/Q only)	360VA max.	-	→ P 547
Solenoid Valve Mode			Operable with the same controls as the solenoid valve	7 points				
Serial Communication Type			Dedicated to serial communication					
Pulse Train Input Control Type			Dedicated to pulse train input	(-)				
Program Control 1-2 Axes Type		SSEL-C-1-60-NP-2-①	Programmed operation is possible Operation is possible on up to 2 axes	20000 points			-	→ P577
Program Control 1-6 Axes Type	Mira	XSEL-2-1-60-N1-EEE-2-3	Programmed operation is possible Operation is possible on up to 6 axes	20000 points			-	→ P587

* For SSEL and XSEL, only applicable to the single-axis model.

*① is a placeholder for the power supply voltage (1:100V, or 2: single-phase 200V).
*② is a placeholder for the type name of XSEL ("J", "K", "P", "Q"),
*③ is a placeholder for the type of power supply voltage (1:100V, 2: single-phase 200V, or 3: 3-phase 200V).