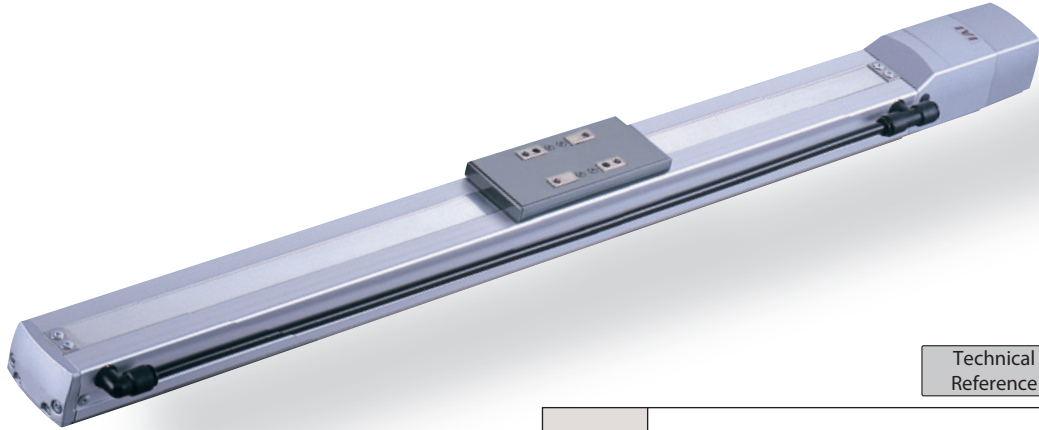


RCS2CR-SS7C

Cleanroom Type ROBO Cylinder, Slider Type, Actuator Width 60mm, 200-V Servo Motor, Coupling Specification

Model Description	RCS2CR	SS7C		60					
Series	Type	Encoder type	Motor type	Lead	Stroke	Compatible Controllers	Cable length	Option	
I: Incremental specification A: Absolute specification	60: Servo motor 60W	12: 12mm 6: 6mm	50: 50mm to 600: 600mm (Set steps every 50mm)	T1: XSEL-J/K T2: SCON SSEL XSEL-P/Q	N : None P : 1m S : 3m M : 5m X□□: Length R□□: Robot cable	B : Brake NM : Reversed-home specification VR : Variable Vacuum coupling mount			

See preceding section for model descriptions.



Technical Reference P. 451

POINT
Notes on selection

- (1) As the stroke length increases, the maximum speed decreases due to hazardous ball screw RPMs. 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 0.3G. This is the maximum acceleration.

Actuator Specification Table

Leads and Payloads

Model	Motor output (W)	Lead (mm)	Maximum payload		Rated thrust (N)	Stroke (mm)
			Horizontal(kg)	Vertical(kg)		
RCS2CR-SS7C-①-60-12-②-③-④-⑤	60	12	15	4	85	50 to 600 (every 50mm)
RCS2CR-SS7C-①-60-6-②-③-④-⑤		6	30	8	170	

Legend: ① Encoder type ② Stroke response ③ Controller ④ Cable length ⑤ Option

Stroke, Maximum Speed and Suction Volume

Lead	Stroke	50 to 500 (every 50mm)	Up to 600 (mm)	Suction Volume (Nr/min)
6	300	230	30	

(Unit = mm/s)

Price List by ① Encoder Type/② Stroke

② Stroke (mm)	Type code	
	SS7C	
	① Encoder type	
	Incremental	Absolute
100	-	-
200	-	-
300	-	-
400	-	-
500	-	-
600	-	-

④ Cable Length Price Table

Type	Cable symbol	Standard price
Standard type	P (1m)	-
	S (3m)	-
	M (5m)	-
Special length	X06 (6m) to X10 (10m)	-
	X11 (11m) to X15 (15m)	-
	X16 (16m) to X20 (20m)	-
Robot cable	R01 (1m) to R03 (3m)	-
	R04 (4m) to R05 (5m)	-
	R06 (6m) to R10 (10m)	-
	R11 (11m) to R15 (15m)	-
	R16 (16m) to R20 (20m)	-

*See P394 for details on maintenance cable.

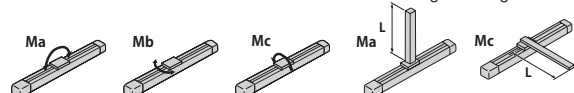
⑤ Option Price Table

Title	Option code	See page	Standard price
Brake	B	→P437	-
Reversed-home specification	NM	→P442	-
Variable Vacuum coupling mount	VR	→P446	-

Actuator Specification

Item	Description
Drive System	Ball screw φ10mm, rolled C10
Positioning Repeatability	±0.02mm
Backlash	0.1mm or less
Base	Material: Special alloy steel
Allowable load moment	Ma: 14.7N·m, Mb: 14.7N·m, Mc: 33.3N·m
Overhang load length	Ma direction 300mm or less, Mb, Mc direction 300mm or less
Grease	Low-dust-raising grease (both ball screw and guide)
Cleanliness	Class 10 compatible (0.1 μm)
Ambient operating temperature, humidity	0 to 40°C, 85% RH or less (no condensing)
Service life	10000km

Direction of allowable load moment

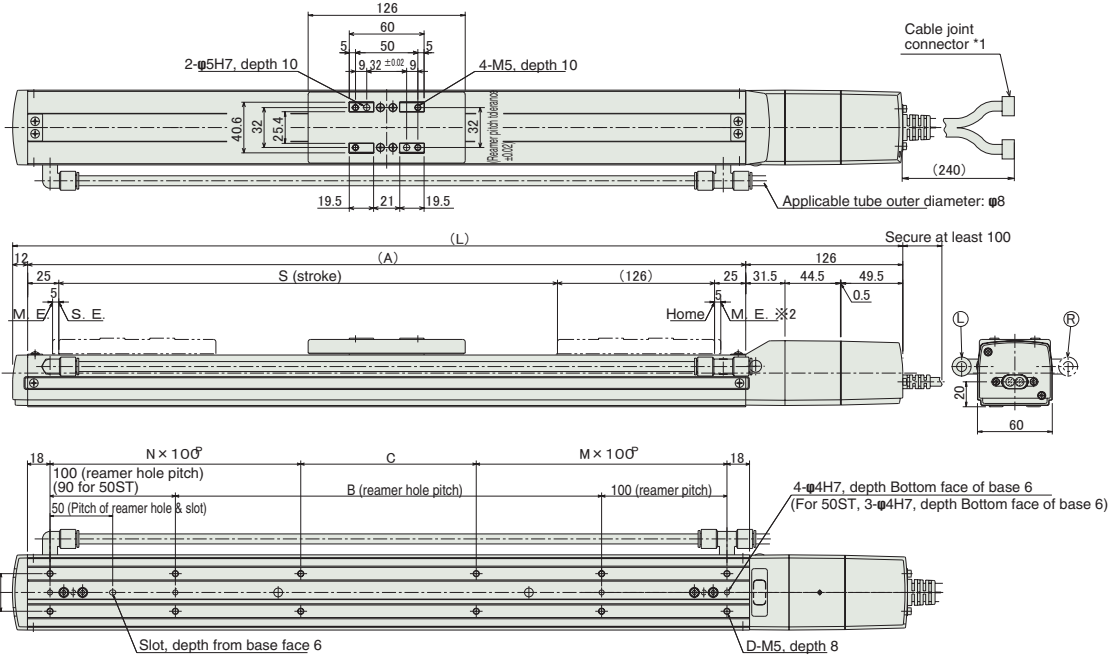


Controller-Integrated
Slider Type
Rod Type
Table Arm/flat
Gripper/Rotary Type
Cleanroom
Splash-resistant
Controller
Coupling
Built-in (Direct)
Reverse-mounted
Pulse Motor 20P
Pulse Motor 28P
Pulse Motor 35P
Pulse Motor 42P
Pulse Motor 56P
Pulse Motor 86P
Servo Motor 10W
Servo Motor 20W
Servo Motor 30W
Servo Motor 60W
Servo Motor 100W
Servo Motor 150W
Servo Motor 750W

Dimensional Drawings

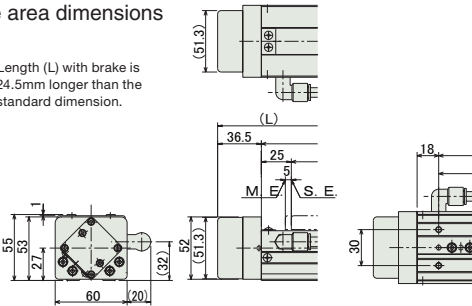
CAD drawings can be downloaded from the website. www.intelligentactuator.com

Information on special orders  P. 454



Brake area dimensions

* Length (L) with brake is 24.5mm longer than the standard dimension.






- *1 Connect the motor-encoder cable. See P394 for cable details.
- *2 The slider moves to the ME during home return. Pay attention to prevent contact between the slider and surrounding parts.
ME: Mechanical End
SE: Stroke End
Dimensions in () are for reference.
- *3 Reference position for calculating Ma moment.

■ Dimensions and Weight by Stroke

Stroke	50	100	150	200	250	300	350	400	450	500	550	600
L	364	414	464	514	564	614	664	714	764	814	864	914
A	226	276	326	376	426	476	526	576	626	676	726	776
B	0	40	90	140	190	240	290	340	390	440	490	540
C	90	40	90	140	190	40	90	140	190	40	90	140
D	6	8	8	8	8	12	12	12	12	16	16	16
M	1	1	1	1	1	2	2	2	2	3	3	3
N	0	1	1	1	1	2	2	2	2	3	3	3
Weight(kg)	3.1	3.4	3.7	4.0	4.4	4.7	5.0	5.3	5.7	6.0	6.3	6.6

Compatible Controllers

RCS2 Series Actuators can be operated with the following controllers. Select the type that is compatible with your application.

Title	External View	Model	Features	Max. positioning p points	Input power	Power-supply capacity	Standard price	See page
Positioner type		SCON-C-60①-NP-2-②	Up to 512-point positioning possible	512 points	Single-phase AC 100V Single-phase AC 200V 3-phase AC 200V (XSEL-P/Q only)	Maximum 360VA *1 axis specification for 150W operation	-	→P385
Solenoid valve type			Same as solenoid valve controlled operation enabled	7 points				
Serial communication type			Serial communications special type	64 points				
Pulse train input control type			Pulse train input special type	(-)				
Program control 1-2 axis type		SSEL-C-1-60①-NP-2-②	Programmed operation enabled Maximum 2-axes operation enabled	20000 points			-	→P415
Program control 1-6 axis type		XSEL-③-1-60①-N1-EEE-2-④	Programmed operation enabled, maximum of 6-axes operation possible	4000 points			-	→P425

- *SSEL, XSEL are for 1-axis specification.
- ① indicates the encoder type (I: Incremental, A: Absolute).
- ② indicates the power-supply voltage type (1: 100V, 2: Single-phase 200V).
- ③ indicates the XSEL type (J/K/P/Q).
- ④ indicates the power-supply voltage type (1: 100V, 2: Single-phase 200V, 3: Three-phase 200V).