

Special Specification Products

Information on Dedicated Models



Shorten Lead times for special specification products!

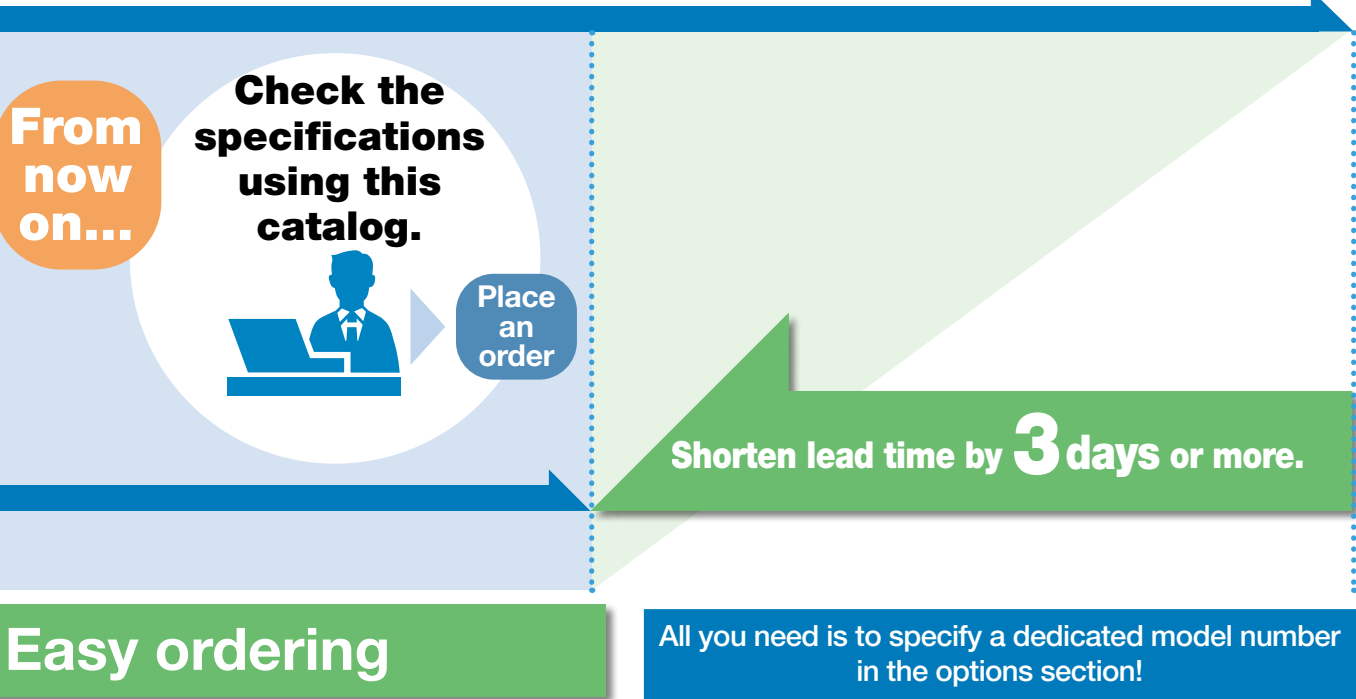
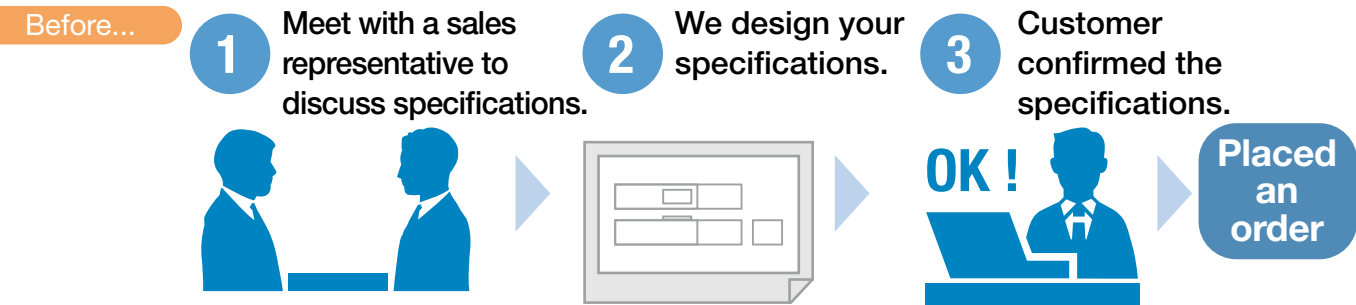
Contact us for special specifications not listed in this leaflet.

For frequently requested special specifications, we have created dedicated model numbers to enable easy ordering.

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Shortening lead time for shipment



Example of model identification

RCP6 - SA7C - WA - 56P - 24 - 800 - P3 - S - **ZVL**

with joint specification (left side)

Selectable dedicated models and available models

(To be continued to the next page)

- : Available
- : Not available depending on conditions
- : Not available

1 ZAC03: Actuator cable exit specification (cable length 0.3m) ZAC20: Actuator cable exit specification (cable length 2.0m)

ROBO Cylinder / Single-axis robot

	RCP6						RCP6S						RCP6 CR		RCP6S CR		RCS4						RCS4 CR		IS(P)B	IS(P)DB	IS(P)DB CR
	SA	RA	RAA	TA	WSA	WSA	SA	RA	RAA	TA	WSA	WSA	SA	WSA	SA	WSA	SA	RA	RAA	TA	WSA	WSA	SA	WSA			
ZAC03	○	○	○	●	○	○	-	-	-	-	-	-	○	○	-	-	-	-	-	-	-	-	-	-	-	-	-
ZAC20	○	○	○	●	○	○	-	-	-	-	-	-	○	○	-	-	-	-	-	-	-	-	-	-	-	-	-

* SA8 □, RA8 □, RRA8 □, WSA16 □ and WRA16 □ types are not available.
(Note 1) Side-mounted motor type with 120mm stroke or smaller is not compatible with flange "FL."

Reference pages P.5 and 6

2 ZLST: Non-standard stroke specification

ROBO Cylinder / Single-axis robot

	RCP6						RCP6S						RCP6 CR		RCP6S CR		RCS4						RCS4 CR		IS(P)B	IS(P)DB	IS(P)DB CR
	SA	RA	RAA	TA	WSA	WSA	SA	RA	RAA	TA	WSA	WSA	SA	WSA	SA	WSA	SA	RA	RAA	TA	WSA	WSA	SA	WSA			
ZLST	●	-	-	-	-	-	●	-	-	-	-	-	●	-	●	-	●	-	-	-	-	-	●	-	○	○	○

(Note 1) Only the WA (battery-less absolute encoder) specification is available.

Reference pages P.7 and 8



Specifically, these specifications are possible!

To prevent foreign matter from entering the motor and connector parts of the robot as much as possible.

1 ZAC03 or ZAC20
[Actuator cable exit specification]

Reference pages P.5 and 6

To use strokes longer than the standard specification.

2 ZLST
[Non-Standard Stroke Specifications]

Reference pages P.7 and 8

Selectable dedicated models and available models

● : Available

○ : Not available depending on conditions

— : Not available

- 3 ZG1: Non-standard grease specification (Kuroda C grease)
- ZG3: Non-standard grease specification (AFF grease)
- ZG4: Non-standard grease specification (AFE-CA grease)

ROBO Cylinder / Single-axis robot

	RCP6						RCP6S						RCP6 CR		RCP6S CR	RCS4						RCS4 CR		IS(P)B (Note 2)	IS(P)DB (Note 2)	IS(P)DB CR (Note 2)
	S A (Note 1)	R A	R R A	T A	W S A (Note 1)	W R A	S A (Note 1)	R A	R R A	T A	W S A (Note 1)	W R A	S A	W S A	S A	S A	R A	R R A	T A	W S A	W R A	S A	W S A			
ZG1	○	●	●	●	○	●	○	●	●	●	○	●	—	—	—	●	●	●	●	●	●	—	—	○	○	—
ZG3	○	●	●	●	○	●	○	●	●	●	○	●	—	—	—	●	●	●	●	●	●	●	●	○	○	○
ZG4	○	●	●	●	○	●	○	●	●	●	○	●	—	—	—	●	●	●	●	●	●	●	●	○	○	○

(Note 1) ZG1, ZG3 and ZG4 cannot be selected for the straight motor type. Select the standard options of G1, G3 and G4.
(Note 2) Only the WA (battery-less absolute encoder) specification is available.

ELECYLINDER

	Slider (Note 3)	Slider side-mounted motor specification (Note 3)	Cleanroom specification	Large slider belt drive (Note 3)	Radial cylinder		Table
	(D)S3□(A) / (D)S4□(A) (D)S6□(A) / (D)S7□(A) (D)S8□□AH / (D)S7□□AH S8□□(A) (D)WS10 / (D)WS12	(D)S3□(A)R / (D)S4□(A)R (D)S6□(A)R / (D)S7□(A)R (D)S8□□AHR (D)S7□□AHR S8□□(A)R (D)WS10□R / (D)WS12□R	(D)S3□(A)CR / (D)S4□(A)CR (D)S6□(A)CR / (D)S7□(A)CR (D)S8□□AHR (D)S7□□AHR S8□□(A)CR (D)WS10□CR / (D)WS12□CR	S10□□ / S13□□ S15□□ S18□□ (LP) (D)B6 / (D)B7 B8S(S) (U)	(D)RR4□(R) (D)RR6□(R) (D)RR7□(R) (D)RR6□□AH(R) (D)RR7□□AH(R) RR8□(R)/RR10□(R)	(D)RR3□(R)	TC4 / TC5 TW4 / TW5
ZG1	— (Note 4)	○	—	○	●	●	●
ZG3	○	○	●	○	●	●	●
ZG4	○	○	●	○	●	●	●

(Note 3) The double slider specification is not available.
(Note 4) ZG1 cannot be selected. Select the standard option G1.

Reference pages P.9 and 10

- 4 ZVL: With-joint specification (Left side)
- ZVR: With-joint specification (Right side)

ROBO Cylinder / Single-axis robot

	RCP6						RCP6S						RCP6 CR	RCP6S CR	RCS4						RCS4 CR	IS(P)B (Note 1)	IS(P)DB (Note 1)	IS(P)DB CR
	S A	R A	R A	T A	W S A	W R A	S A	R A	R A	T A	W S A	W R A			S A	R A	R A	T A	W S A	W R A				
ZVL	○	—	—	—	○	—	○	—	—	—	○	—	—	—	○	—	—	—	○	—	—	○	—	—
ZVR	○	—	—	—	○	—	○	—	—	—	○	—	—	—	○	—	—	—	○	—	—	○	—	—

* For the side-mounted motor specification, the with-joint specification is the left side (ZVL) when side-mounted motor to the left (ML) is selected.
When the right side (MR) is selected, the with-joint specification right side (ZVR) cannot be selected.
(Note 1) Only the WA (battery-less absolute encoder) specification is available.

ELECYLINDER

	Slider (Note 2)	Slider side-mounted motor specification (Note 2)	Cleanroom specification	Large slider belt drive	Radial cylinder		Table
	(D)S3□(A) / (D)S4□(A) (D)S6□(A) / (D)S7□(A) (D)S8□□AH / (D)S7□□AH S8□□(A) (D)WS10 / (D)WS12	(D)S3□(A)R / (D)S4□(A)R (D)S6□(A)R / (D)S7□(A)R (D)S8□□AHR (D)S7□□AHR S8□□(A)R (D)WS10□R / (D)WS12□R	(D)S3□(A)CR / (D)S4□(A)CR (D)S6□(A)CR / (D)S7□(A)CR (D)S8□□AHR (D)S7□□AHR S8□□(A)CR (D)WS10□CR / (D)WS12□CR	S10□□ / S13□□ S15□□ S18□□ (LP) (D)B6 / (D)B7 B8S(S) (U)	(D)RR4□(R) (D)RR6□(R) (D)RR7□(R) (D)RR6□□AH(R) (D)RR7□□AH(R) RR8□(R)/RR10□(R)	(D)RR3□(R)	TC4 / TC5 TW4 / TW5
ZVL	○	○	—	—	—	—	—
ZVR	○	○	—	—	—	—	—

(Note 2) When the right side (MOR) is selected, the with-joint specification of the right side (ZVR) cannot be selected.

(Note 3) For the side-mounted motor, the with-joint specification is for the left side (ZVL) when the side-mounted motor specification (ML) is selected. When the right side (MR) is selected, the with-joint specification for the right side (ZVR) cannot be selected.

Reference pages P.11 and 12

5 ZNS: Stainless grease nipple specification

ROBO Cylinder / Single-axis robot

	RCP6						RCP6S						RCP6 CR	RCP6S CR	RCS4						RCS4 CR	IS(P)B (Note 1)	IS(P)DB (Note 1)	IS(P)DB CR (Note 1)
	S A	R A	R A	T A	W S A	W R A	S A	R A	R A	T A	W S A	W R A			S A	R A	R A	T A	W S A	W R A				
ZNS	●	—	●	—	●	●	—	●	—	●	●	●	●	●	●	—	●	—	●	●	●	○	○	○

(Note 1) Only the WA (battery-less absolute encoder) specification is available.

ELECYLINDER

	Slider	Slider side-mounted motor specification	Cleanroom specification	Large slider belt drive	Radial cylinder		Table
	(D)S3□(A) / (D)S4□(A) (D)S6□(A) / (D)S7□(A) (D)S8□□AH / (D)S7□□AH S8□□(A) (D)WS10 / (D)WS12	(D)S3□(A)R / (D)S4□(A)R (D)S6□(A)R / (D)S7□(A)R (D)S8□□AHR (D)S7□□AHR S8□□(A)R (D)WS10□R / (D)WS12□R	(D)S3□(A)CR / (D)S4□(A)CR (D)S6□(A)CR / (D)S7□(A)CR (D)S8□□AHR (D)S7□□AHR S8□□(A)CR (D)WS10□CR / (D)WS12□CR	S10□□ / S13□□ S15□□ S18□□ (LP) (D)B6 / (D)B7 B8S(S) (U)	(D)RR4□(R) (D)RR6□(R) (D)RR7□(R) (D)RR6□□AH(R) (D)RR7□□AH(R) RR8□(R)/RR10□(R)	(D)RR3□(R)	TC4 / TC5 TW4 / TW5
ZNS	●	●	●	●	●	—	—

Reference pages P.13 and 14



Specifically, these specifications are possible!

To use grease that is suitable to your application.

- 3 ZG1, ZG3 or ZG4
- [Non-standard grease specification]

Reference pages p.9 and 10

To prevent foreign matter from entering the motor and connector parts of the robot as much as possible.

- 4 ZVL or ZVR
- [With-joint specification for air purge]

Reference pages P.11 and 12



Not to use copper-based materials for the grease nipple.

- 5 ZNS
- [Stainless grease nipple specification]

Reference pages P.13 and 14

To use low dust-emission specification for the side-mounted motor type.
[Low dust-emission for the side-mounted motor]

- 6 * ZVL or ZVR [with-joint specification]
- * ZG1, ZG3 or ZG4
- [Non-standard grease specification (low dust-emission)]
- * SR (standard option)
- [Slider roller specification]

Reference pages P.15 and 16

Caution

* Dedicated models specified in this catalog are special specification products. After-sales service is provided equivalent to that for the standard products. However, troubles caused by usage condition and special specifications are not covered by warranty. Make sure to select products after carefully confirming usability.
* Refer to catalogs and manuals of the standard models for specifications and cautions not specified in this catalog.
* Dedicated CAD data is available. Contact IAI sales representatives for details.

1 Actuator cable exit specification

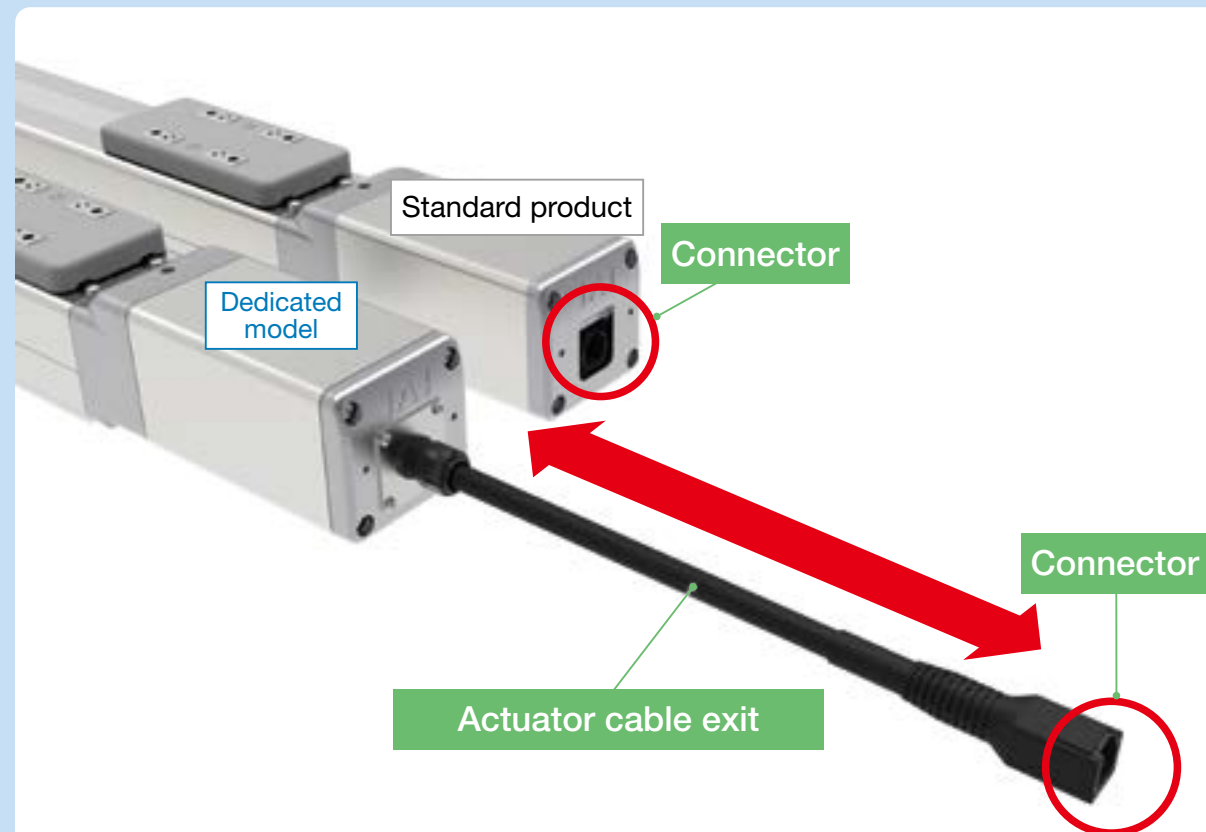
ZAC03/ZAC20

Recommended for these users!



To prevent foreign matter contamination into the motor and connector of the robot as much as possible.

The actuator cable is taken out in order to place the connector away from the main unit. It is compatible with the optional cable exit direction. It is also expected to reduce contamination of foreign matter into the motor unit thanks to the gasket.

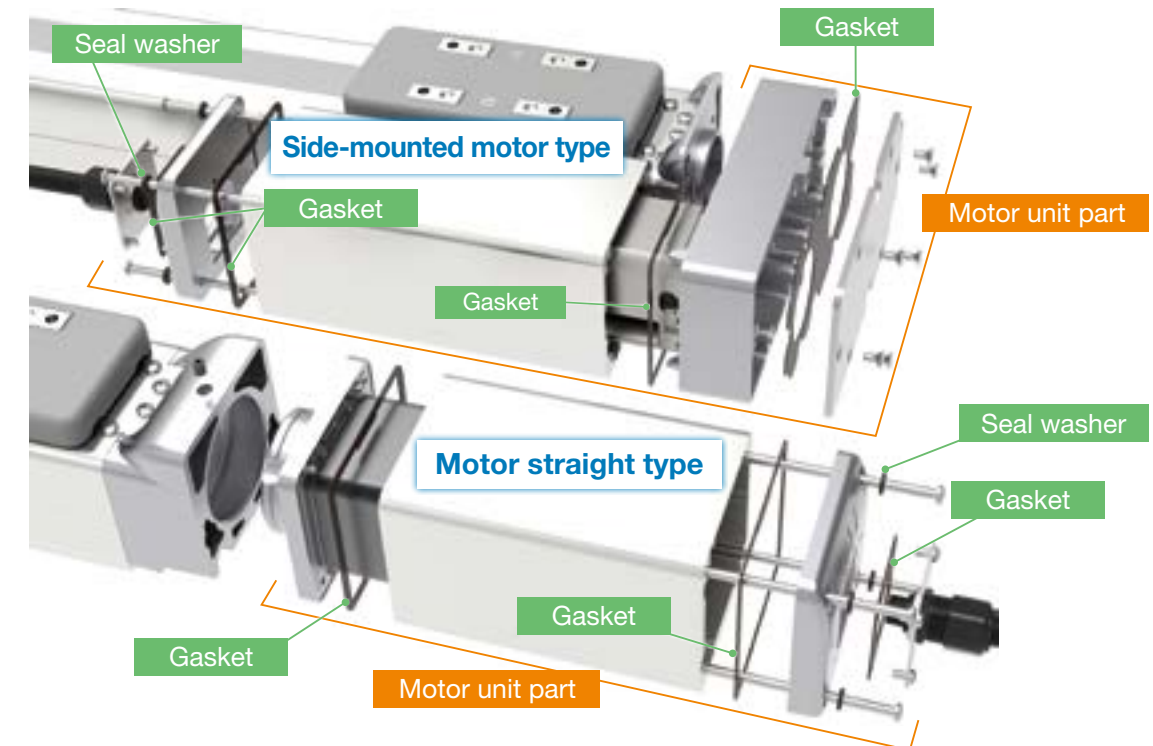


Caution

Due to the limit on the critical speed of the ball screw, the maximum speed is lower than the standard specification.

External view on
P.17-18

Mechanical structure of the motor unit part



Thanks to the improved sealing performance of the motor unit, it is difficult for foreign matter to enter inside.

Available models

RCP6 Series

SA8□, RA8□, RRA8□, WSA16□ and WRA16□ types are not available.

RA□R, RRA□R and WRA□R (rod type side-mounted motor type) with 120mm or shorter stroke are not compatible with the flange option.

Refer to **P.17-18** for dimensions.

Selectable cable length and dedicated models

Cable length 0.3m → Dedicated model: **ZAC03**

Cable length 2.0m → Dedicated model: **ZAC20**

Order method | Specify the dedicated model with a desired cable length in the options section.

Example of
model identification

RCP6-SA7C-WA-56P-24-800-P3-S-Options section
ZAC03

2 Non-standard stroke specification

External view on
P.19-35

ZLST

Recommended for these users!



To use strokes longer than the standard one.

This specification is to make the stroke longer than the standard.



Caution

Available for the slider types.
The maximum speed will become lower than the standard specification due to the limitation on the dangerous speed of the ball screw.

Available models

Series	Type	Available stroke	Reference pages for external dimensions
RCP6 RCP6CR (Only the SA□C is available for RCP6CR)	SA4C / SA4R	550~600mm	P.19
	SA6C / SA6R	850~1000mm	P.20
	SA7C / SA7R	850~1100mm	P.21
	SA8C / SA8R	1150~1300mm	P.22
RCP6S RCP6SCR (Only the SA□C is available for RCP6SCR)	SA4C / SA4R	550~600mm	P.23
	SA6C / SA6R	850~1000mm	P.24
	SA7C / SA7R	850~1100mm	P.25
	SA8C / SA8R	1150~1300mm	P.26
RCS4 RCS4CR (Only the SA□C is available for RCS4CR)	SA4C / SA4R	550~800mm	P.27
	SA6C / SA6R	850~1000mm	P.28
	SA7C / SA7R	850~1200mm	P.29
	SA8C / SA8R	1150~1300mm	P.30
ISB ISP (Note 1)	SXM	950~1100mm	P.31
	SXL	930~1080mm	
	MXM	1150~1300mm	P.32
	MXL	1120~1270mm	
	LXM	1350~1600mm	P.33
	LXL	1320~1570mm	
ISDB ISPDB ISDBCR ISPDBCR (Note 1)	S	850~1100mm	P.34
	M	1150~1300mm	
	L	1350~1600mm	P.35

* Refer to individual reference pages for available lead, dimensions and max. speed.
(Note 1) Only the WA (battery-less absolute encoder) specification is available.

Order method

Specify “ZLST” in the option section and enter a desired stroke in the stroke order section.

Example
of model
identification

RCP6 - SA7C - WA - 56P - 24 - **1000** - P3 - S - **ZLST**

Stroke section Option section

Desired stroke ▲

3 Non-standard grease specification

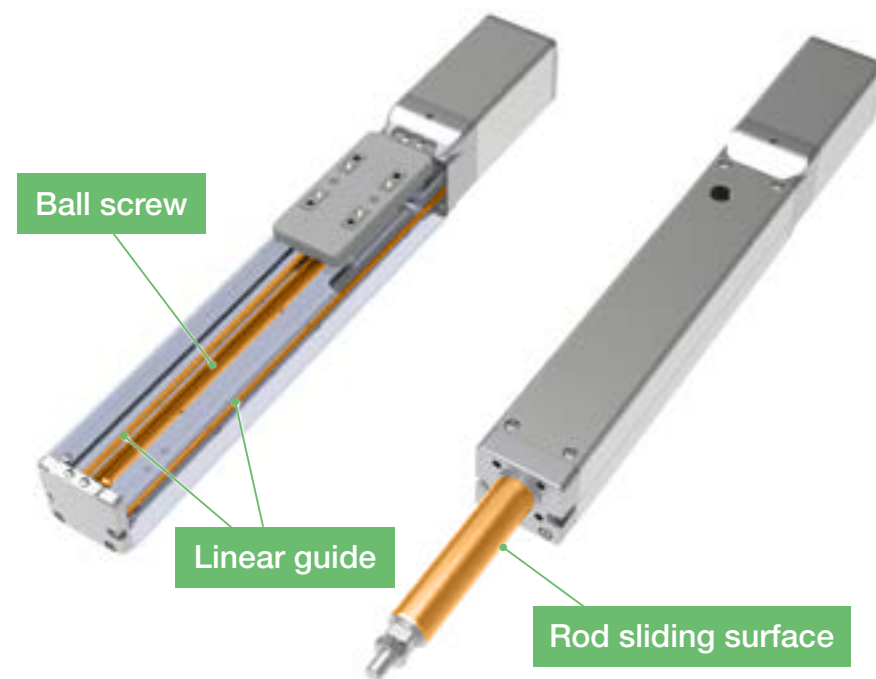
ZG1/ZG3/ZG4

Recommended for these users!



I want to use another grease that is more suitable to my application.

This specification allows you to change the grease applied to actuator's ball screw, linear guide, and rod sliding surfaces.



Available grease Selectable Grease Types:

Kuroda C grease (low dust-emission grease for cleanroom) → Dedicated model: **ZG1**
 AFF grease (low dust-emission grease for cleanroom) → Dedicated model: **ZG3**
 AFE-CA grease (low dust-emission grease for cleanroom) → Dedicated model: **ZG4**

Caution

Please note:
 Applying a non-standard grease may increase sliding resistance and affect product specifications such as payload, speed, acceleration, and lifespan.

Order method Specify the dedicated type of the desired grease in the options column.

Example of model identification

RCP6-SA7C-WA-56P-24-800-P3-S-**ZG3**

Options section

Available models

ROBO Cylinder / Single-axis robot

Series	Type	Remarks
RCP6 RCP6S	SA4R/WSA10R	Three grease types can be selected as standard for SA□C/WSA□C (slider type / motor straight) and RCP6CR.
	SA6R/WSA12R	
	SA7R/WSA14R	
	SA8R/WSA16R	
	RA4□/RRA4□/WRA10□	
	RA6□/RRA6□/WRA12□	
	RA7□/RRA7□/WRA14□	
	RA8□/RRA8□/WRA16□	
RCS4	TA4□/TA6□/TA7□	
	SA4□/WSA10□	
	SA6□/WSA12□ (except for lead 30mm)	
	SA7□/WSA14□ (except for lead 36mm)	
	SA8□/WSA16□ (except for lead 48mm)	
	RA4□/RRA4□/WRA10□	
	RA6□/RRA6□/WRA12□	
	RA7□/RRA7□/WRA14□	
RCS4CR	RA8□/RRA8□/WRA16□	ZG1 cannot be selected because the Kuroda C grease is standard.
	TA4□/TA6□/TA7□	
	SA4C/WSA10C	
	SA6C/WSA12C	
ISB ISP (Note 1)	SA7C/WSA14C	
	SA8C/WSA16C	
	SXM/SXL (except for lead 36mm)	
ISDB ISPDB (Note 1)	MXM/MXL/MXMX (except for lead 48mm)	
	LXM/LXL/LXMX/LXUWX	
	S(except for lead 36mm)	
ISDBCR ISPDBCR (Note 1)	M/MX(except for lead 48mm)	ZG1 cannot be selected because the Kuroda C grease is standard.
	L/LX	
ISDBCR ISPDBCR (Note 1)	S/M/MX/L/LX	

(Note 1) Only the WA (battery-less absolute encoder) specification is available.

(Note 2) The double slider specification is not available.

ELECYLINDER

Series	Type	Remarks
EC (Note 2)	(D)S3□(A) (D)S4□(A)	ZG1 cannot be selected. Select the standard option G1.
	(D)S6□(A) / (D)S7□(A) S8(X)□(A)	
	(D)S6(X)□AH (D)S7(X)□AH	
	(D)WS10 / (D)WS12	
	(D)S3□(A)R (D)S4□(A)R	ZG1 cannot be selected due to Kuroda C grease is standard.
	(D)S6□(A)R / (D)S7□(A)R S8(X)□(A)R	
	(D)S6(X)□AHR (D)S7(X)□AHR	
	(D)WS10□R (D)WS12□R	
	(D)S3□(A)CR (D)S4□(A)CR	When the operating ambient temperature is less than 10°C, the non-standard grease specification cannot be selected for RR8 □ (R) and RR10 □ (R).
	(D)S6□(A)CR (D)S7□(A)CR S8(X)□(A)CR	
	(D)S6(X)□AHCR (D)S7(X)□AHCR	
	(D)WS10□CR (D)WS12□CR	
EC-B8S(U)	S10(X) / S13(X) S15(X) / S18(X) (LP)	
	(D)B6/(D)B7/B8S(S) (U)	
	(D)RR3□(R) / (D)RR4□(R) (D)RR6□(R) / (D)RR7□(R) RR8□(R) / RR10□(R)	
	(D)RR6(X)□AH(R) (D)RR7(X)□AH(R)	
	TC4 / TC5 / TW4 / TW5	

Cautions on the selection of GZ1, ZG3 and ZG4 (Non-standard grease specification) options.

When operating in the environment temperature of 10°C or less, use the speed specified below or slower.

EC-(D)S6(X)□AHR	EC-(D)S7(X)□AHR	EC-(D)RR6□AHR	EC-(D)RR7□AHR	EC-B8S(U)
* Lead 20: 600mm/s or less * Lead 12: 360mm/s or less * Lead 6: 180mm/s or less * Lead 3: 90 mm/s or less	* Lead 24: 640mm/s or less * Lead 16: 420mm/s or less * Lead 8: 210mm/s or less * Lead 4: 105mm/s or less	* Lead 20: 600mm/s or less * Lead 12: 360mm/s or less * Lead 6: 180mm/s or less * Lead 3: 90 mm/s or less	* Lead 24: 640mm/s or less * Lead 16: 420mm/s or less * Lead 8: 210mm/s or less * Lead 4: 105mm/s or less	* Lead 1400mm or less * Only for the straight motors * Lead 10: 260mm/s or less * Lead 5: 140mm/s or less

*Only EC-RR8 does not require a temperature of 10°C or less.

4 With-joint specification for air purge

ZVL/ZVR

External view on
P.36-37

Recommended for these users!



To prevent foreign objects from entering the robot body as much as possible.

A joint is added on the actuator side surface.

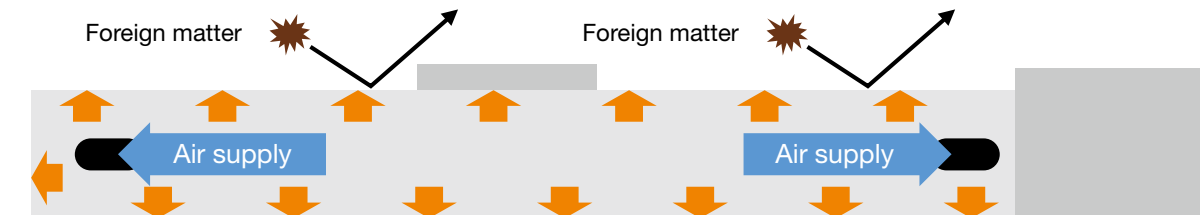
By supplying air from joints to raise internal pressure of the actuator, it is expected to reduce contamination of foreign matter.



Caution

Please use clean, dry air that does not contain compressor oil for air purging. Depending on the quality of the air, it may cause malfunctions. In addition, if the air supply pressure is too high, it may cause the stainless steel sheet to lift up. Please note that we cannot guarantee the protection rating.

Diagram for foreign matter intrusion suppression



Actuator's internal pressure will be increased by supplying air from the joint.

Compatible models

RCP6/RCS4 Series, Slider/Wide slider types and ISDB^(Note 1) Series
ELECYLINDER S3^(Note 2), S4, S6, S7, S8, WS10, WS12

*Cleanroom specification excluded.

* In the case of the side-mounted motor specification, if the motor is side-mounted to the left (ML), the with-joint specification left side (ZVL) cannot be selected. If the motor is side-mounted to the right (MR), the with-joint specification right side (ZVR) cannot be selected.

(Note 1) This is compatible only for the WA (battery-less absolute encoder) specification.

(Note 2) In the case of S3□A, if the motor is side-mounted to the left (MOL), the with-joint specification left side (ZVL) cannot be selected. If the motor is side-mounted to the right (MOR), the with-joint specification right side (ZVR) cannot be selected.

Refer to **P.36~37** for dimensions of the joints and outer diameter of the connecting tube.

Direction of the joint mounting and dedicated models

Mounting on the left → Dedicated model: **ZVL** Mounting on the right → Dedicated model: **ZVR**



Order method | Specify the dedicated model of the joint mounting direction in the options section.

Example of model
identification

RCP6 - SA7C - WA - 56P - 24 - 800 - P3 - S - **ZVL**

Options section



5 Stainless grease nipple specification

ZSN

Recommended for these users!



Not to use copper-based materials for the grease nipple.

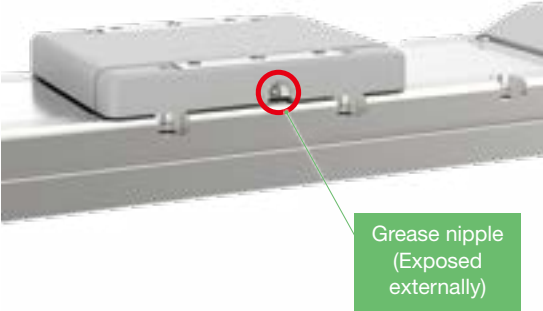
To change the brass grease nipple to stainless steel.

The grease nipple may or may not be exposed externally depending on the model.

The grease nipple is not exposed externally.
[Example] RCP6-SA6C



The grease nipple is exposed externally.
[Example] RCP6-WSA14C



The grease nipple is not exposed externally
[Example] EC-S6



Grease nipple is exposed externally
[Example] EC-WS12



Available models

ROBO Cylinder / Single-axis robot

Series	Type	Grease nipple exposed externally
RCP6 RCP6CR RCP6S RCP6SCR RCS4 RCS4CR	SA4C / SA4R	No
	SA6C / SA6R	
	SA7C / SA7R	
	SA8C / SA8R	
	WSA10C / WSA10R	Yes
	WSA12C / WSA12R	
	WSA14C / WSA14R	
	WSA16C / WSA16R	
	RRA4C / RRA4R	No
	RRA6C / RRA6R	
	RRA7C / RRA7R	
	RRA8C / RRA8R	
	WRA10C / WRA10R	
	WRA12C / WRA12R	
	WRA14C / WRA14R	
	WRA16C / WRA16R	
ISB ISPB (Note 1)	SXM / SXL	Yes
	MXM / MXL / MXMX LXM / LXL LXXM / LXUWX	
ISDB ISPDB ISDBCR ISPDBCR (Note 1)	S	Yes (Protective cover only for the side surface)
	M / MX	
	L / LX	

ELECYLINDER

Series	Type	Grease nipple exposed externally
EC	(D)S3□(A) (Note 2) (D)S4□(A)	No
	(D)S6□(A) / (D)S7□(A) S8(X)□(A)	
	(D)S6(X)□AH (D)S7(X)□AH	
	(D)WS10 / (D)WS12	
	(D)S3□(A)R / (D)S4□(A)R	No
	(D)S6□(A)R / (D)S7□(A)R S8(X)□(A)R	
	(D)S6(X)□AHR (D)S7(X)□AHR	
	(D)WS10□R (D)WS12□R	
	(D)S3□(A)CR (D)S4□(A)CR	No
	(D)S6□(A)CR (D)S7□(A)CR S8(X)□(A)CR	
	(D)S6(X)□AHCR (D)S7(X)□AHCR	
	(D)WS10□CR (D)WS12□CR	
	S10(X) / S13(X) S15(X) / S18(X) (LP)	Yes
	(D)B6 / (D)B7	No
	B8S(S) (U)	Yes
	(D)RR4□(R) / (D)RR6□(R) (D)RR7□(R) / RR8□(R) RR10□(R)	No
	(D)RR6(X)□AH(R) (D)RR7(X)□AH(R)	

(Note 1) Only the WA (battery-less absolute encoder) specification is available.
(Note 2) Replenish using the grease nipple as in standard products is not possible for the S3 □ A.

Order method Specify "ZNS" in the options section.

Example of model identification

RCP6 - WSA14C - WA - 56P - 16 - 500 - P3 - S - ZNS

Options section



6 Side-mounted Motor Type with Dust Resistant Specification

External view on
P.36-37

Recommended for these users!



Need a side-mounted motor type with dust resistant specification.

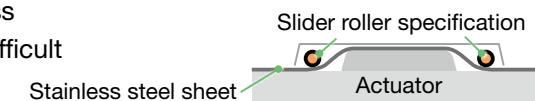
Low-dust emission specification of the side-mounted motor type is achieved by adding the following specifications of ① to ③.

Side-mounted
motor type actuator



① Slider roller specification Standard option "SR"

The roller-type stainless steel sheet makes it difficult for dust to generate.



② With joint for suction Refer to P.11

Joints are mounted for air suction.
The joints are same as for air purging.
(The above example shows mounting on the left "ZVL".)

③ Grease application with low dust-emission Refer to P.9

Applied to the ball screw and guide rail.

Available models

Refer to the tales on P.2 ~ 4. For with joint for suction: ZVL and ZVR and low ZG1, ZG3 and ZG4
Refer to P.36 ~ 37 for the dimensions of the joint and connecting tube outer diameter.

Order method Specify SR-ZG□-ZV□ in the options section.value in the stroke section.

Example of
model identification

RCP6 - SA7R - WA - 56P - 24 - 800 - P3 - S - MR - **SR-ZG1-ZVL**

Options section

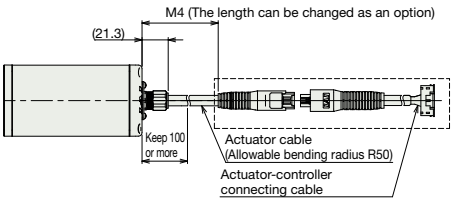


Caution

The side mounted motor type uses a timing belt, so dust will be generated from the belt due to its structure. Therefore, we cannot guarantee the cleanliness.

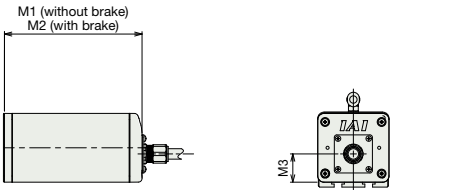
Actuator Cable Exit Specification Dimensions

■ RCP6 (CR) series Slider/Rod/Radial cylinder/Table type (Motor straight)



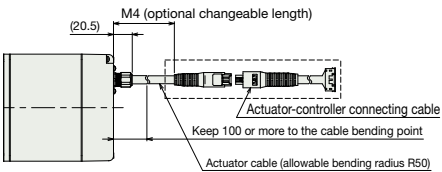
Model	M1	M2	M3
RCP6(CR)-SA4C / RCP6-RA4C	125	156	22
RCP6-RAA4C / RCP6-TA4C			
RCP6(CR)-SA6C / RCP6-RA6C	112	153	23
RCP6-RAA6C / RCP6-TA6C			
RCP6(CR)-SA7C / RCP6-RA7C	139	189	23
RCP6-RAA7C / RCP6-TA7C			

Dedicated model	M4
ZAC03	300
ZAC20	2000



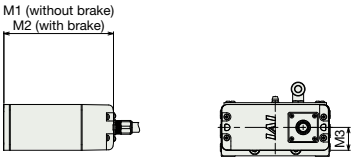
Cable exit direction (optional)

■ RCP6 (CR) series Wide slider / Wide radial cylinder type (motor straight)



Model	M1	M2	M3
RCP6(CR)-WSA10C / RCP6-WRA10C	131	161	20.5
RCP6(CR)-WSA12C / RCP6-WRA12C	119.8	169.8	25
RCP6(CR)-WSA14C / RCP6-WRA14C	148	198	31

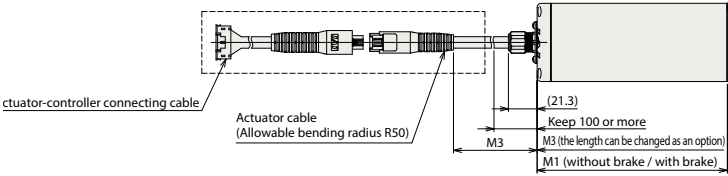
Dedicated model	M4
ZAC03	300
ZAC20	2000



Cable exit direction (optional)

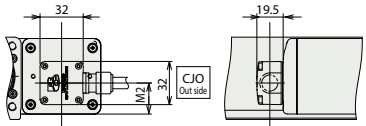
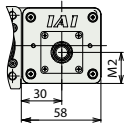
Actuator Cable Exit Specification Dimensions

■ RCP6 (CR) series Slider/Rod/Radial cylinder/Table type (Side-mounted motor)



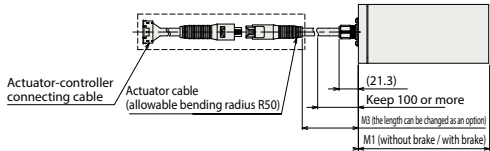
Model	M1	M2
RCP6-SA4R / RCP6-RA4R	145	20
RCP6-RAA4R / RCP6-TA4R		
RCP6-SA6R / RCP6-RA6R	141	23
RCP6-RAA6R / RCP6-TA6R		
RCP6-SA7R / RCP6-RA7R	169	34
RCP6-RAA7R / RCP6-TA7R		

Dedicated model	M3
ZAC03	300
ZAC20	2000



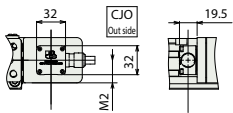
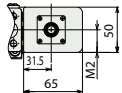
Cable exit direction (optional)

■ RCP6 (CR) series Wide slider / Wide radial cylinder type (side-mounted motor)



Model	M1	M2
RCP6-WSA10R / RCP6-WRA10R	145	20
RCP6-WSA12R / RCP6-WRA12R	145	25
RCP6-WSA14R / RCP6-WRA14R	183	31

Dedicated model	M3
ZAC03	300
ZAC20	2000

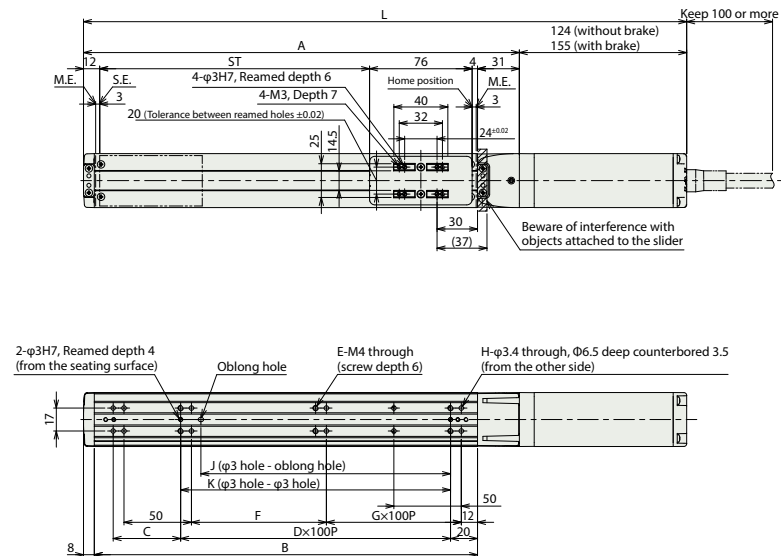


Cable exit direction (optional)

Non-standard stroke specification Dimensions/Mass/Max. speed

■ RCP6-SA4C / RCP6CR-SA4C

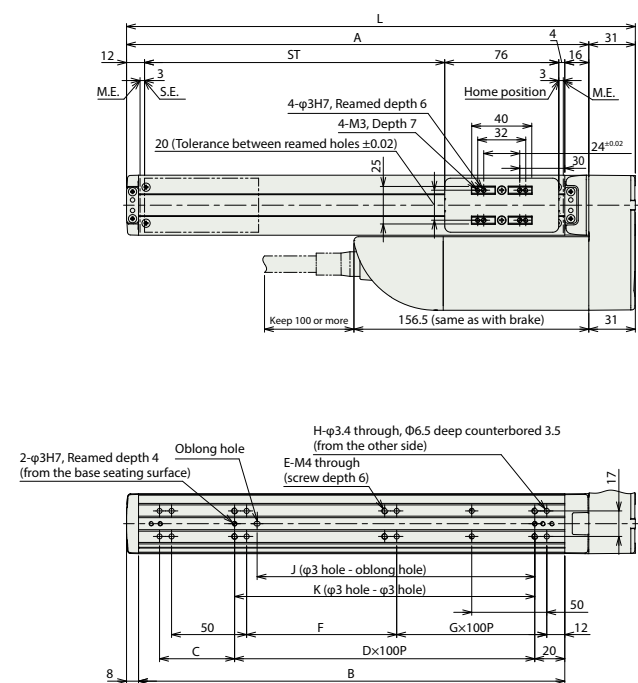
Stroke		550	600
L	without brake	797	847
	with brake	828	878
A		673	723
B		634	684
C		100	50
D		5	6
E		14	16
F		50	100
G		5	5
H		18	18
J		485	585
K		500	600
Mass (kg)	without brake	2.0	2.1
	with brake	2.2	2.2
max. speed (mm/s)	Lead 2.5	115	95
	Lead 5	230	195
	Lead 10	465	395
	Lead 16	735	630



ST: Stroke
M.E.: Mechanical end
S.E.: Stroke end

■ RCP6-SA4R

Stroke	550	600	
L	689	739	
A	658	708	
B	634	684	
C	100	50	
D	5	6	
E	14	16	
F	50	100	
G	5	5	
H	18	18	
J	485	585	
K	500	600	
Mass (kg)	without brake	2.2	2.3
	with brake	2.3	2.3
max. speed (mm/s)	Lead 2.5	115	95
	Lead 5	230	195
	Lead 10	465	395
	Lead 16	735	630

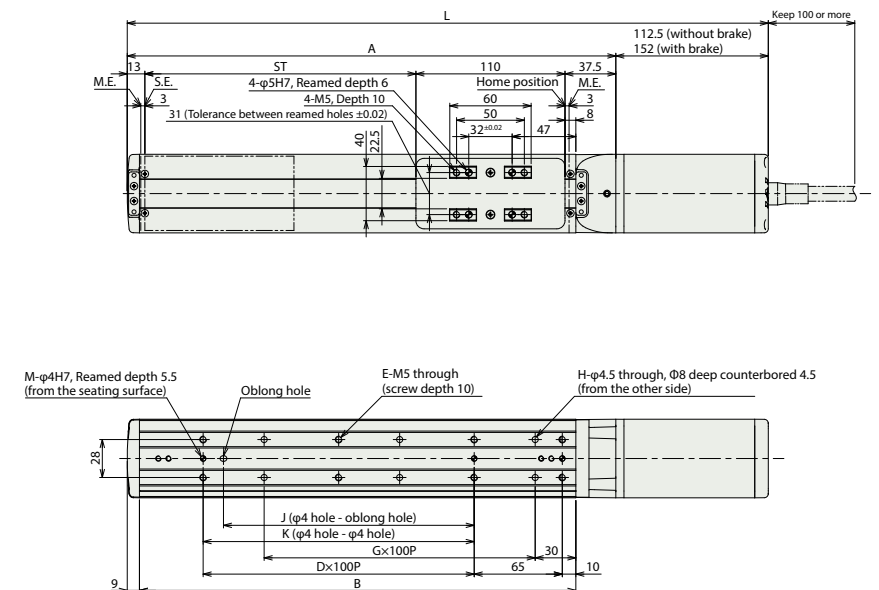


ST: Stroke
M.E.: Mechanical end
S.E.: Stroke end

Non-standard stroke specification Dimensions/Mass/Max. speed

■ RCP6-SA6C / RCP6CR-SA6C

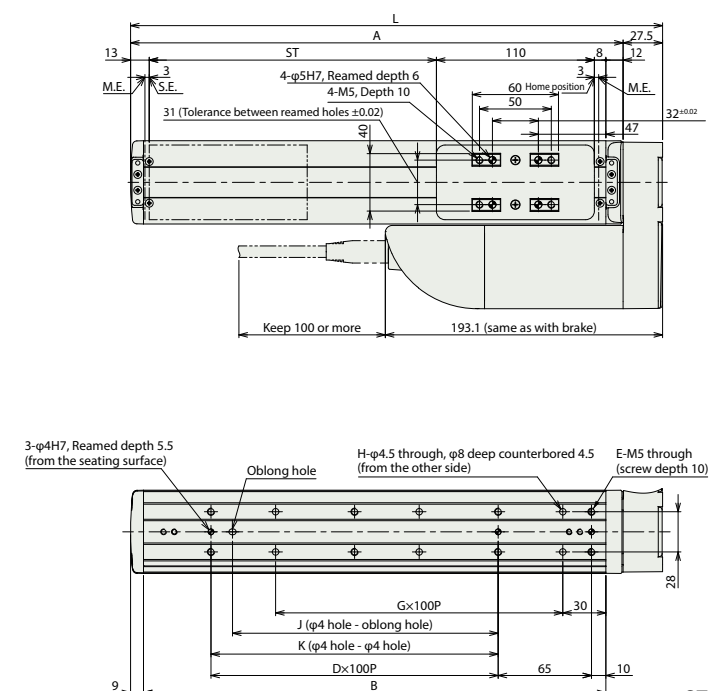
Stroke		850	900	950	1000
L	without brake	1123	1173	1223	1273
	with brake	1162.5	1212.5	1262.5	1312.5
A		1010.5	1060.5	1110.5	1160.5
B		972	1022	1072	1122
D		8	9	9	10
E		20	22	22	24
G		9	9	10	10
H		20	20	22	22
J		785	885	885	985
K		800	900	900	1000
M		3	3	3	3
Mass (kg)	without brake	4.7	4.9	5.0	5.2
	with brake	5.0	5.1	5.3	5.4
max. speed (mm/s)	Lead 3	Not supported			
	Lead 6	140	125	Not supported	
	Lead 12	280	255	230	210
	Lead 20	515	465	420	380



ST: Stroke
M.E.: Mechanical end
S.E.: Stroke end

■ RCP6-SA6R

Stroke		850	900	950	1000
L		1020.5	1070.5	1120.5	1170.5
A		993	1043	1093	1143
B		972	1022	1072	1122
D		8	9	9	10
E		20	22	22	24
G		9	9	10	10
H		20	20	22	22
J		785	885	885	985
K		800	900	900	1000
Mass (kg)	without brake	5.0	5.2	5.4	5.5
	with brake	5.1	5.3	5.4	5.6
max. speed (mm/s)	Lead 3	Not supported			
	Lead 6	140	125	Not supported	
	Lead 12	280	255	230	210
	Lead 20	515	465	420	380



ST: Stroke
M.E.: Mechanical end
S.E.: Stroke end

Non-standard stroke specification Dimensions/Mass/Max. speed

■ RCP6-SA8C / RCP6CR-SA8C

[illegible]

Technical drawing of a shaft with the following dimensions and tolerances:

- Overall length: L
- Distance from left end to first hole: 18.5
- Distance between first and second hole: ST
- Distance between second and third hole: A
- Distance between third and fourth hole: 165
- Distance from fourth hole to right end: 41.5
- Distance from right end to brake: 146 (without brake) / 196 (with brake)
- Distance from right end to last hole: Keep 100 or more
- Left end features: 5 E, 3 M.E.
- Hole specifications:
 - 2- $\phi 6H7$, Reamed depth 10
 - 4-M8 through (screw depth 10)
 - 63 (Tolerance between reamed holes ± 0.02)
- Internal dimensions: 75, 50, 80, 60, 90
- Home position: Indicated by a circle with a cross.
- Right end features: 5 E, 3 M.E., 7.5

M-φ6H7, Reamed depth 6.5
(from the seating surface)

Oblong hole

E-M6 through
(screw depth 12)

50

J (φ6 hole - oblong hole)
K (φ6 hole - φ6 hole)

Dx100P

B

100

40

11

■ RCP6-SA8R

[illegible]

Stroke		1150	1200	1250	1300
L		1390.5	1440.5	1490.5	1540.5
A		1358	1408	1458	1508
B		1330	1380	1430	1480
D		12	13	13	14
E		26	28	28	30
J		1080	1180	1180	1280
K		1100	1200	1200	1300
Mass (kg)	without brake	11.0	11.3	11.6	11.9
	with brake	11.2	11.5	11.7	12.0
max. speed (mm/s)	Lead 5	Not supported			
	Lead 10	200	185	170	160
	Lead 20	405	375	345	320
	Lead 30	610	565	525	485

Technical drawing of a brake assembly showing dimensions and components. The drawing includes a side view and a detail view of the brake shoe.

Dimensions:

- Overall length: 18.5
- Distance from left end to center of brake shoe: 3
- Distance from center of brake shoe to right end: 165
- Distance from right end to center of brake shoe: 32.5
- Distance from center of brake shoe to center of brake shoe: 80
- Distance from center of brake shoe to center of brake shoe: 60
- Distance from center of brake shoe to center of brake shoe: 40
- Distance from center of brake shoe to center of brake shoe: 40
- Distance from center of brake shoe to center of brake shoe: 93
- Distance from center of brake shoe to center of brake shoe: 90
- Distance from center of brake shoe to center of brake shoe: 7.5
- Distance from center of brake shoe to center of brake shoe: 37
- Distance from center of brake shoe to center of brake shoe: 75
- Distance from center of brake shoe to center of brake shoe: 100
- Distance from center of brake shoe to center of brake shoe: 249.9
- Distance from center of brake shoe to center of brake shoe: 45

Components and Notes:

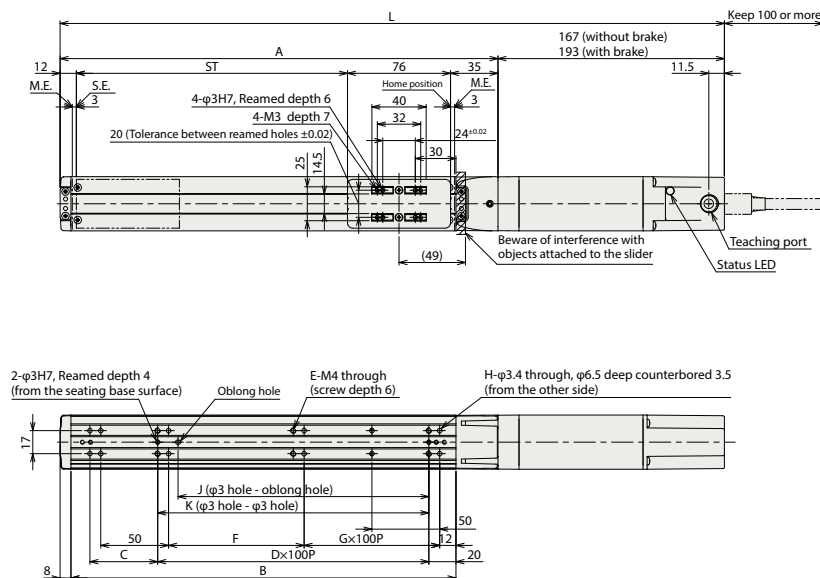
- 2-φ6H7, Reamed depth 10
- 4-M8 through (screw depth 12)
- 63 (Tolerance between reamed holes ± 0.02)
- Home position
- Beware of interference with objects attached to the slider
- Keep 100 or more
- 249.9 (same as with brake)

22

Non-standard stroke specification Dimensions/Mass/Max. speed

■ RCP6S-SA4C / RCP6SCR-SA4C

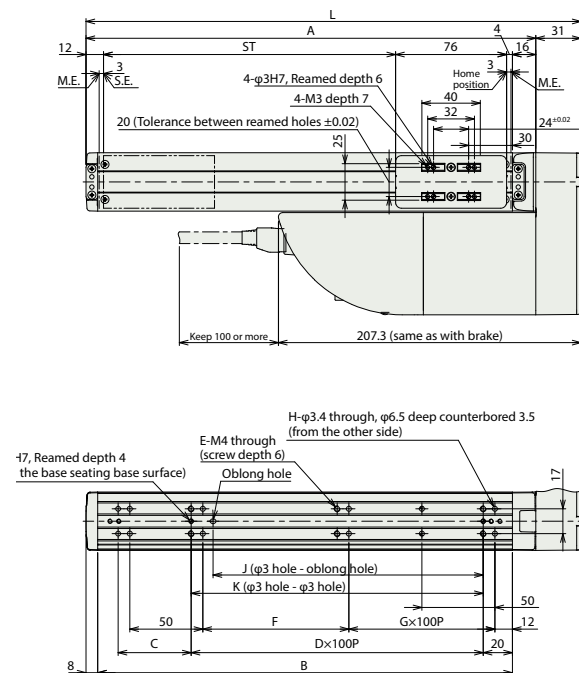
Stroke		550	600
L	without brake	840	890
	with brake	866	916
A		673	723
B		634	684
C		100	50
D		5	6
E		14	16
F		50	100
G		5	5
H		18	18
J		485	585
K		500	600
Mass (kg)	without brake	2.2	2.3
	with brake	2.3	2.4
max. speed (mm/s)	Lead 2.5	115	95
	Lead 5	230	195
	Lead 10	465	395
	Lead 16	735	630



ST: Stroke
M.E.: Mechanical end
S.E.: Stroke end

■ RCP6S-SA4R

Stroke		550	600
L		689	739
A		658	708
B		634	684
C		100	50
D		5	6
E		14	16
F		50	100
G		5	5
H		18	18
J		485	585
K		500	600
Mass (kg)	without brake	2.3	2.4
	with brake	2.4	2.5
max. speed (mm/s)	Lead 2.5	115	95
	Lead 5	230	195
	Lead 10	465	395
	Lead 16	735	630

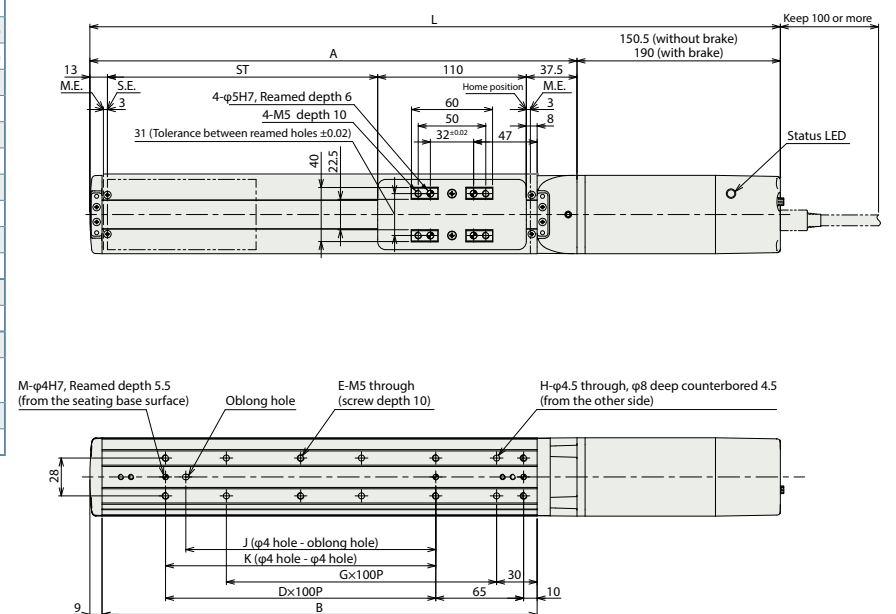


ST: Stroke
M.E.: Mechanical end
S.E.: Stroke end

Non-standard stroke specification Dimensions/Mass/Max. speed

■ RCP6S-SA6C / RCP6SCR-SA6C

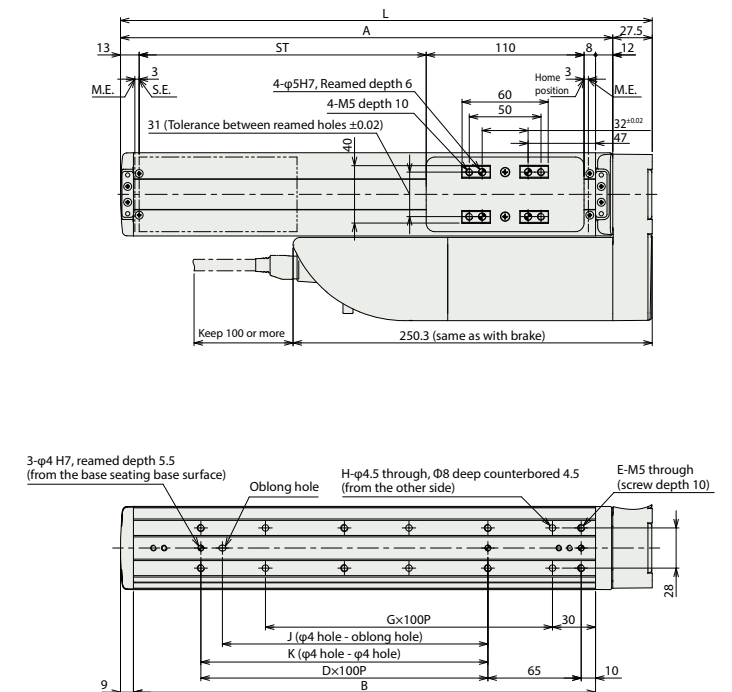
Stroke		850	900	950	1000
L	without brake	1161	1211	1261	1311
	with brake	1200.5	1250.5	1300.5	1350.5
A		1010.5	1060.5	1110.5	1160.5
B		972	1022	1072	1122
D		8	9	9	10
E		20	22	22	24
G		9	9	10	10
H		20	20	22	22
J		785	885	885	985
K		800	900	900	1000
M		3	3	3	3
Mass (kg)	without brake	4.9	5.0	5.2	5.4
	with brake	5.1	5.3	5.4	5.6
max. speed (mm/s)	Lead 3	Not supported			
	Lead 6	140	125	Not supported	
	Lead 12	280	255	230	210
	Lead 20	515	465	420	380



ST: Stroke
M.E.: Mechanical end
S.E.: Stroke end

■ RCP6S-SA6R

Stroke		850	900	950	1000
L		1020.5	1070.5	1120.5	1170.5
A		993	1043	1093	1143
B		972	1022	1072	1122
D		8	9	9	10
E		20	22	22	24
G		9	9	10	10
H		20	20	22	22
J		785	885	885	985
K		800	900	900	1000
Mass (kg)	without brake	5.2	5.3	5.5	5.7
	with brake	5.2	5.4	5.6	5.7
max. speed (mm/s)	Lead 3	Not supported			
	Lead 6	140	125	Not supported	
	Lead 12	280	255	230	210
	Lead 20	515	465	420	380



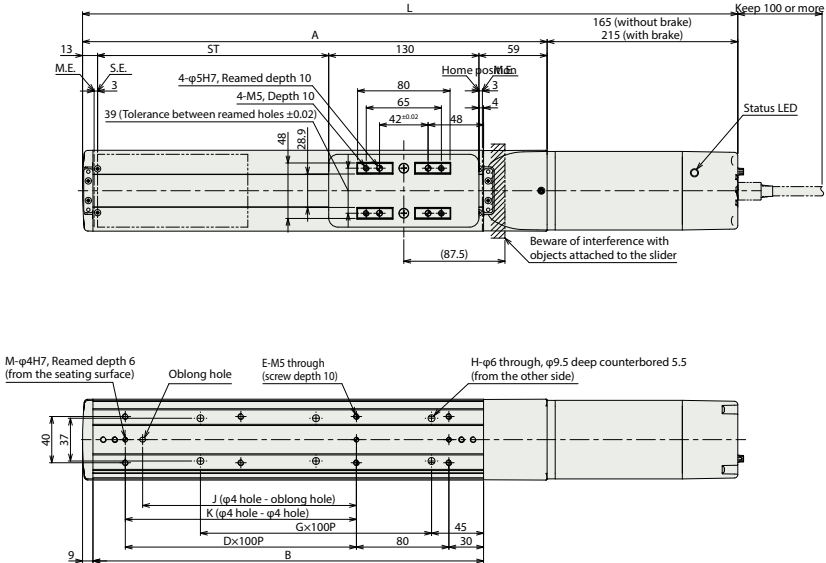
ST: Stroke
M.E.: Mechanical end
S.E.: Stroke end

Non-standard stroke specification

Dimensions/Mass/Max. speed

■ RCP6S-SA7C / RCP6SCR-SA7C

Stroke		850	900	950	1000	1050	1100
L	without brake	1217	1267	1317	1367	1417	1467
	with brake	1267	1317	1367	1417	1467	1517
A		1052	1102	1152	1202	1252	1302
B		988	1038	1088	1138	1188	1238
D		8	9	9	10	10	11
E		20	22	22	24	24	26
G		9	9	10	10	11	11
H		20	20	22	22	24	24
J		785	885	885	985	985	1085
K		800	900	900	1000	1000	1100
M		3	3	3	3	3	3
Mass (kg)	without brake	7.4	7.6	7.9	8.1	8.3	8.5
	with brake	7.8	8.1	8.3	8.5	8.7	9.0
max. speed (mm/s)	Lead 4	Not supported					
	Lead 8	220	200	Not supported			
	Lead 16	445	400	365	330	300	275
	Lead 24	680	615	555	505	460	425



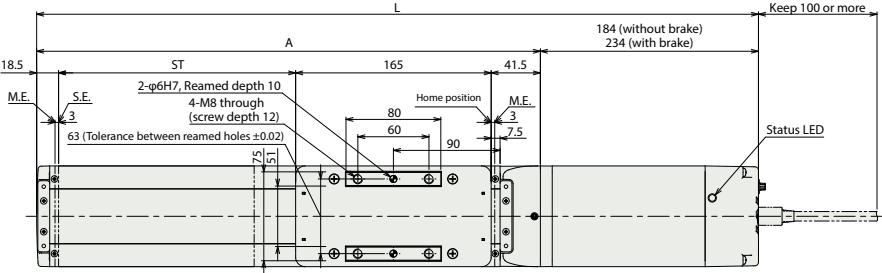
ST: Stroke
M.E.: Mechanical end
S.E.: Stroke end

Non-standard stroke specification

Dimensions/Mass/Max. speed

■ RCP6S-SA8C / RCP6SCR-SA8C

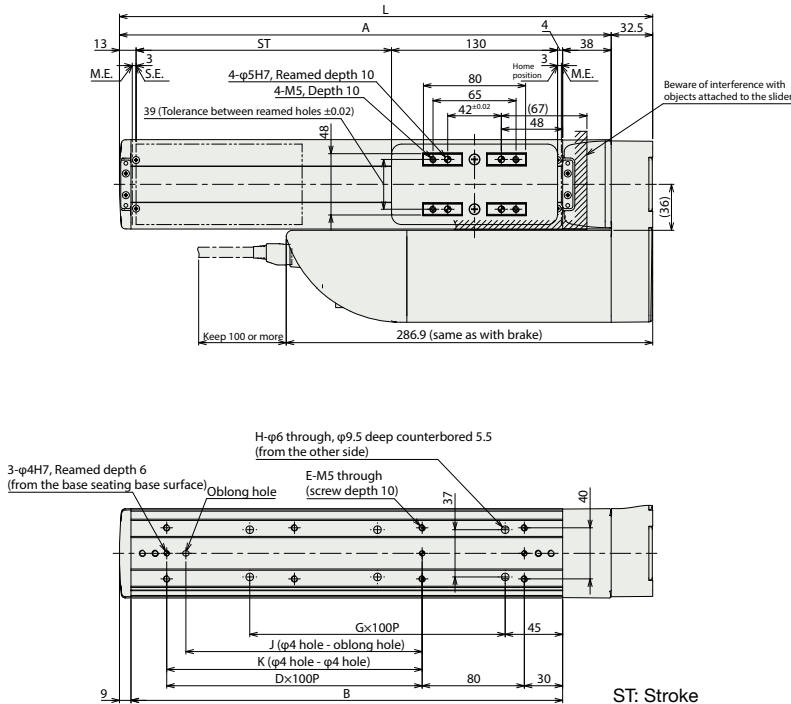
Stroke		1150	1200	1250	1300
L	without brake	1559	1609	1659	1709
	with brake	1609	1659	1709	1759
A		1375	1425	1475	1525
B		1330	1380	1430	1480
D		12	13	13	14
E		26	28	28	30
J		1080	1180	1180	1280
K		1100	1200	1200	1300
M		3	3	3	3
Mass (kg)	without brake	10.7	10.9	11.2	11.5
	with brake	11.2	11.5	11.7	12.0
max. speed (mm/s)	Lead 5	Not supported			
	Lead 10	200	185	170	160
	Lead 20	405	375	345	320
	Lead 30	610	565	525	485



ST: Stroke
M.E.: Mechanical end
S.E.: Stroke end

■ RCP6S-SA7R

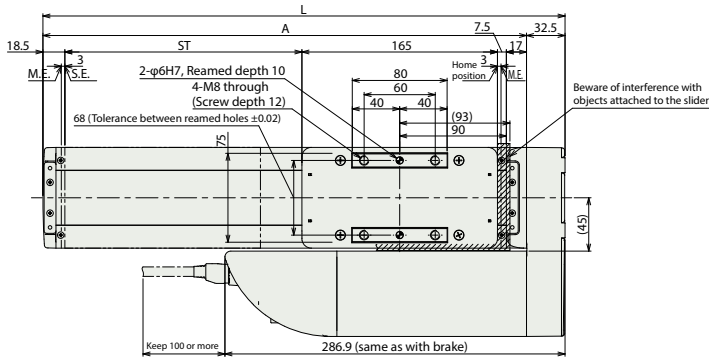
Stroke		850	900	950	1000	1050	1100
L	without brake	1067.5	1117.5	1167.5	1217.5	1267.5	1317.5
	with brake	1035	1085	1135	1185	1235	1285
A		988	1038	1088	1138	1188	1238
B		988	1038	1088	1138	1188	1238
D		8	9	9	10	10	11
E		20	22	22	24	24	26
G		9	9	10	10	11	11
H		20	20	22	22	24	24
J		785	885	885	985	985	1085
K		800	900	900	1000	1000	1100
Mass (kg)	without brake	7.9	8.1	8.4	8.6	8.8	9.1
	with brake	8.0	8.3	8.5	8.7	8.9	9.2
max. speed (mm/s)	Lead 4	Not supported					
	Lead 8	220	200	Not supported			
	Lead 16	445	400	365	330	300	275
	Lead 24	680	615	555	505	460	425



ST: Stroke
M.E.: Mechanical end
S.E.: Stroke end

■ RCP6S-SA8R

Stroke		1150	1200	1250	1300
L	without brake	1390.5	1440.5	1490.5	1540.5
	with brake	1358	1408	1458	1508
A		1330	1380	1430	1480
B		1330	1380	1430	1480
D		12	13	13	14
E		26	28	28	30
J		1080	1180	1180	1280
K		1100	1200	1200	1300
Mass (kg)	without brake	11.1	11.4	11.7	12.0
	with brake	11.3	11.6	11.9	12.1
max. speed (mm/s)	Lead 5	Not supported			
	Lead 10	200	185	170	160
	Lead 20	405	375	345	320
	Lead 30	610	565	525	485



ST: Stroke
M.E.: Mechanical end
S.E.: Stroke end

Non-standard stroke specification Dimensions/Mass/Max. speed

■ RCS4-SA6C / RCS4CR-SA6C

Technical drawing of the HPS 1000 actuator, showing dimensions and labels for the top and side views.

Top View Dimensions and Labels:

- Overall length: L
- Stroke: ST
- Actuator cable allowable bending radius: $R50$
- Home position
- Dimensions: 12, 3, 3, 76, 30, 133 (without brake), 169 (with brake), 300.
- Labels: M.E., S.E., 20 (Tolerance between reamed holes ± 0.02), 4-M3 depth 7, 4- $\phi 3H7$, Reamed depth 6, Beware of interference with objects attached to the slider, Cable joint connector.
- Other dimensions: 40, 32, 2.4 ± 0.02 , 30, (41).

Side View Dimensions and Labels:

- Dimensions: 8, 50, 50, 20, 17, 12, 50.
- Labels: $\phi 3H7$, Reamed depth 4 from the base seating base surface, Oblong hole, H- $\phi 3.4$ through, $\phi 6.5$ deep counterbored 3.5 (from the other side), E-M4 through (screw depth 6), J ($\phi 3$ hole - oblong hole), K ($\phi 3$ hole - $\phi 3$ hole), $D \times 100P$, $G \times 100P$.

[illegible]

ST: Stroke
M.E.: Mechanical end
S.E.: Stroke end

■ RCS4-SA6R

Technical drawing of the M.E. (Master Equipment) showing top and side views with dimensions and callouts.

Top View Dimensions:

- Overall width: 8.0
- Overall length: 38.5
- Left side dimensions: 12, 3, 5, 12
- Top side dimensions: 12, 3, 5, 12, 76, 4, 16, 38.5
- Right side dimensions: 3, 16, 38.5
- Bottom side dimensions: 12, 3, 5, 12, 76, 4, 16, 38.5

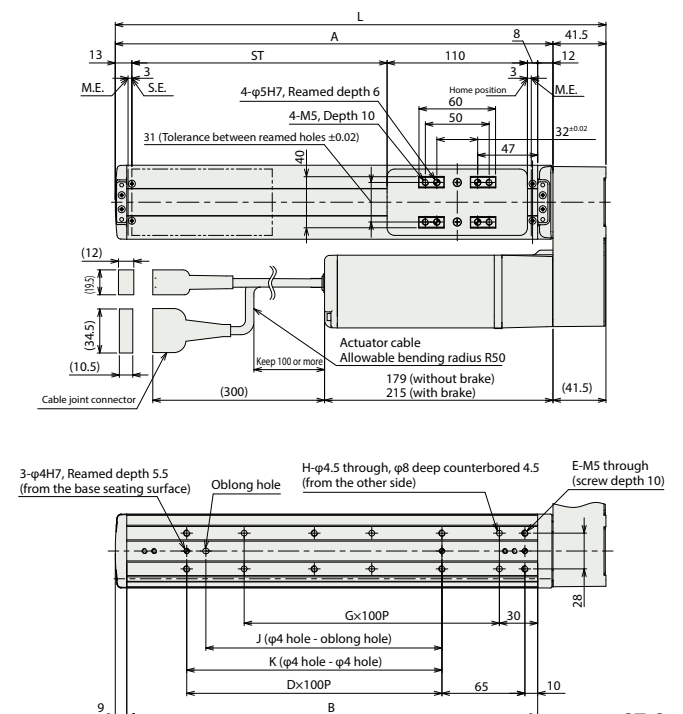
Side View Dimensions:

- Overall height: 26
- Overall width: 38.5
- Left side dimensions: 12, 19.5, 34.5, 10.5
- Right side dimensions: 12, 19.5, 34.5, 10.5

Callouts and Notes:

- M.E. (Master Equipment)
- Home position
- 4-φ3H7, Reamed depth 6
- 4-M3 depth 7
- 20 (Tolerance between reamed holes ±0.02)
- 24 ±0.02
- (41)
- 30
- Beware of interference with objects attached to the slider
- Actuator cable
- Allowable bending radius R50
- 159 (without brake)
- 189 (with brake)
- Keep 100 or more
- ble joint connector
- H-φ3.4 through, φ6.5 deep counterbored 3.5 (from the other side)
- E-M4 through (screw depth 6)
- 3H7, Reamed depth 4 in the seating base surface
- Oblong hole
- J (φ3 hole - oblong hole)
- K (φ3 hole - φ3 hole)
- 50
- 12
- 20
- Dx100P
- Gx100P
- 17
- 8
- B

Stroke	850	900	950	1000	
L	1034.5	1084.5	1134.5	1184.5	
A	993	1043	1093	1143	
B	972	1022	1072	1122	
D	8	9	9	10	
E	20	22	22	24	
G	9	9	10	10	
H	20	20	22	22	
J	785	885	885	985	
K	800	900	900	1000	
Mass (kg)	without brake	5.2	5.4	5.5	5.7
	with brake	5.5	5.7	5.8	6.0
max. speed (mm/s)	Lead 3	Not supported			
	Lead 6	Not supported			
	Lead 12	280	Not supported		
	Lead 20	515	465	420	380
	Lead 30	770	700	630	570



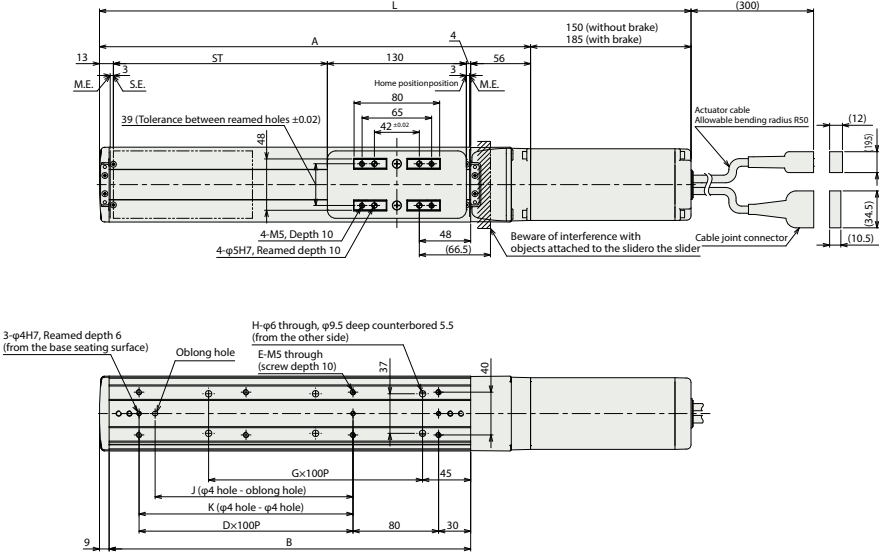
ST: Stroke
M.E.: Mechanical end
S.E.: Stroke end

Non-standard stroke specification

Dimensions/Mass/Max. speed

RCS4-SA7C / RCS4CR-SA7C

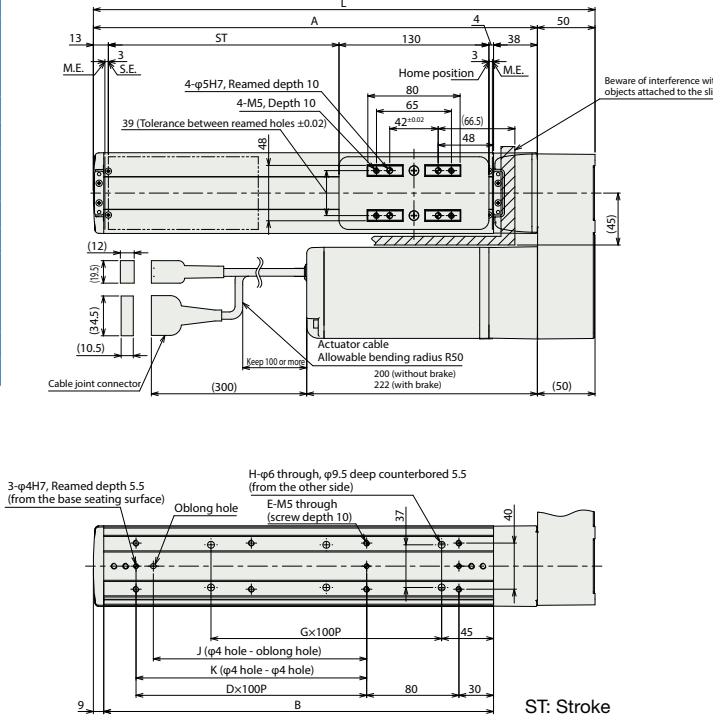
Stroke	850	900	950	1000	1050	1100	1150	1200
L	without brake	1203	1253	1303	1353	1403	1453	1503
	with brake	1238	1288	1338	1388	1438	1488	1538
A	1053	1103	1153	1203	1253	1303	1353	1403
B	988	1038	1088	1138	1188	1238	1288	1338
D	8	9	9	10	10	11	11	12
E	20	22	22	24	24	26	26	28
G	9	9	10	10	11	11	12	12
H	20	20	22	22	24	24	26	26
J	785	885	885	985	985	1085	1085	1185
K	800	900	900	1000	1000	1100	1100	1200
Mass (kg)	without brake	7.3	7.6	7.8	8.0	8.3	8.5	9.0
	with brake	7.8	8.1	8.3	8.5	8.8	9.0	9.5
max. speed (mm/s)	Lead 4	Not supported						
	Lead 8	Not supported						
	Lead 16	445	400	365	330	300	Not supported	
	Lead 24	680	615	555	505	460	425	390
	Lead 36	1010	910	820	750	680	630	580
	Lead 48							



ST: Stroke
M.E.: Mechanical end
S.E.: Stroke end

RCS4-SA7R

Stroke	850	900	950	1000	1050	1100	1150	1200
L	1085	1135	1185	1235	1285	1335	1385	1435
A	1035	1085	1135	1185	1235	1285	1335	1385
B	988	1038	1088	1138	1188	1238	1288	1338
D	8	9	9	10	10	11	11	12
E	20	22	22	24	24	26	26	28
G	9	9	10	10	11	11	12	12
H	20	20	22	22	24	24	26	26
J	785	885	885	985	985	1085	1085	1185
K	800	900	900	1000	1000	1100	1100	1200
Mass (kg)	without brake	8.1	8.3	8.6	8.8	9.1	9.3	9.8
	with brake	8.6	8.8	9.1	9.3	9.6	9.8	10.3
max. speed (mm/s)	Lead 4	Not supported						
	Lead 8	Not supported						
	Lead 16	445	400	365	330	300	Not supported	
	Lead 24	680	615	555	505	460	425	390
	Lead 36	1010	910	820	750	680	630	580
	Lead 48							



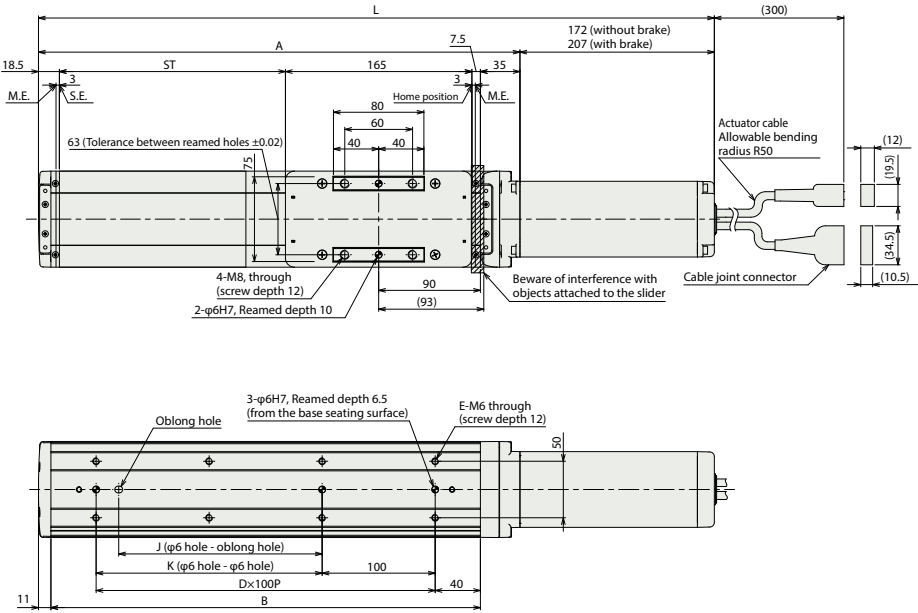
ST: Stroke
M.E.: Mechanical end
S.E.: Stroke end

Non-standard stroke specification

Dimensions/Mass/Max. speed

RCS4-SA8C / RCS4CR-SA8C

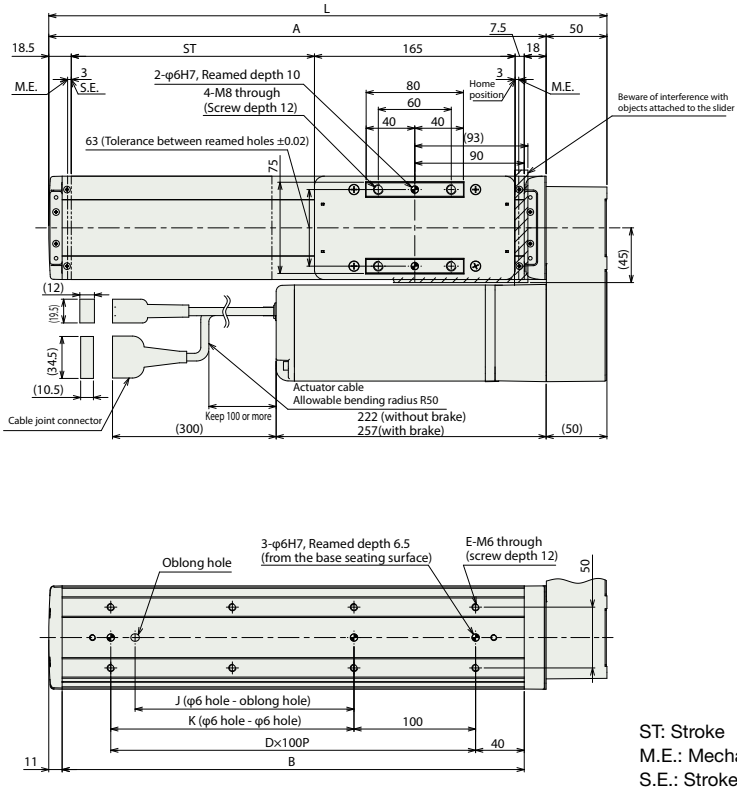
Stroke	1150	1200	1250	1300
L	without brake	1548	1598	1648
	with brake	1583	1633	1683
A	1376	1426	1476	1526
B	1330	1380	1430	1480
D	12	13	13	14
E	26	28	28	30
J	1080	1180	1180	1280
K	1100	1200	1200	1300
Mass (kg)	without brake	11.1	11.4	11.7
	with brake	11.6	11.9	12.2
max. speed (mm/s)	Lead 5	Not supported		
	Lead 10	Not supported		
	Lead 20	405	375	320
	Lead 30	610	565	485
	Lead 48	1030	950	820



ST: Stroke
M.E.: Mechanical end
S.E.: Stroke end

RCS4-SA8R

Stroke	1150	1200	1250	1300
L	1409	1459	1509	1559
A	1359	1409	1459	1509
B	1330	1380	1430	1480
D	12	13	13	14
E	26	28	28	30
J	1080	1180	1180	1280
K	1100	1200	1200	1300
Mass (kg)	without brake	12.0	12.3	12.6
	with brake	12.5	12.8	13.1
max. speed (mm/s)	Lead 5	Not supported		
	Lead 10	Not supported		
	Lead 20	405	375	320
	Lead 30	610	565	485
	Lead 48	1030	950	820

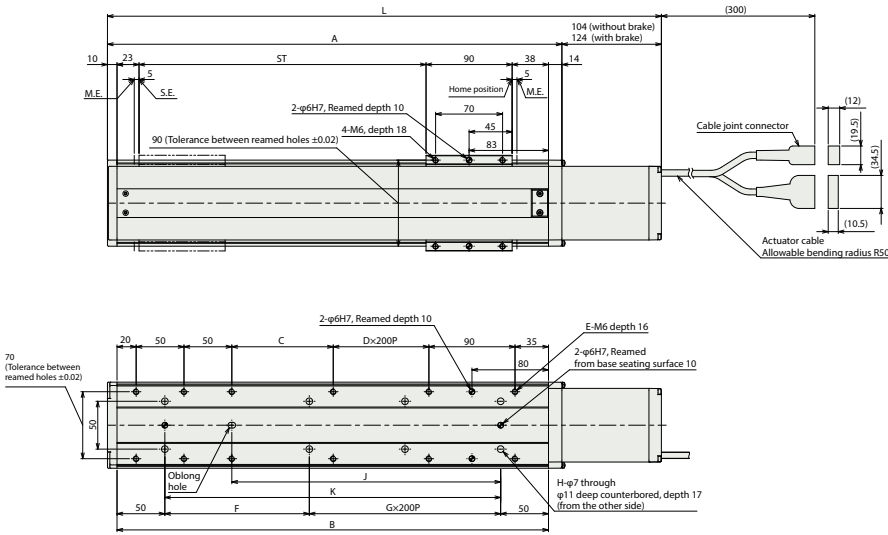


ST: Stroke
M.E.: Mechanical end
S.E.: Stroke end

Non-standard stroke specification Dimensions/Mass/Max. speed

ISB-SXM-60 / ISPB-SXM-60

Stroke		950	1000	1050	1100
L	60W without brake	1229	1279	1329	1379
	with brake	1249	1299	1349	1399
A		1125	1175	1225	1275
B		1101	1151	1201	1251
C		256	106	156	206
D		3	4	4	4
E		16	18	18	18
F		201	251	101	151
G		4	4	5	5
H		12	12	14	14
J		931	981	1031	1081
K		1001	1051	1101	1151
Mass (kg)	60W without brake	9.1	9.5	9.8	10.2
	with brake	9.4	9.7	10.1	10.4
max. speed (mm/s)	Lead 4	80	80	70	70
	Lead 8	170	170	140	140
	Lead 16	340	340	285	285

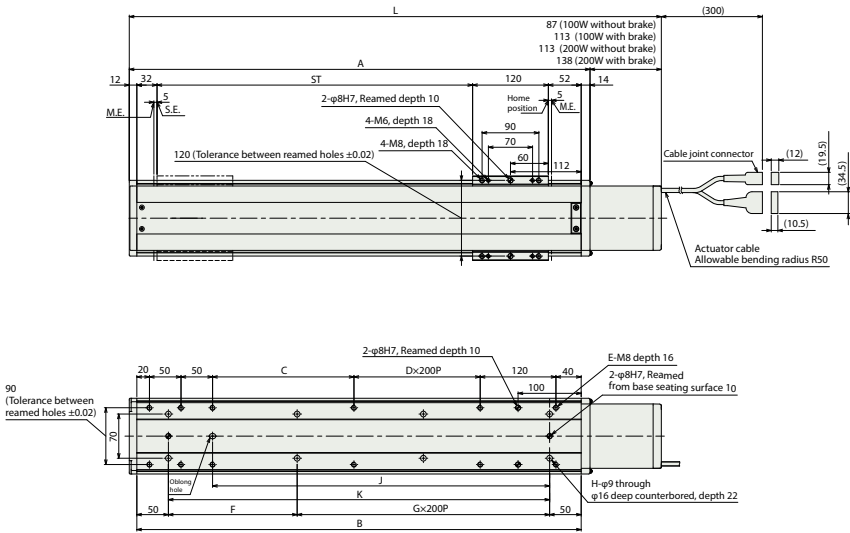


ST: Stroke
M.E.: Mechanical end
S.E.: Stroke end

Non-standard stroke specification Dimensions/Mass/Max. speed

ISB-MXM-WA-100 / ISB-MXM-WA-200 / ISPB-MXM-WA-100 / ISPB-MXM-WA-200

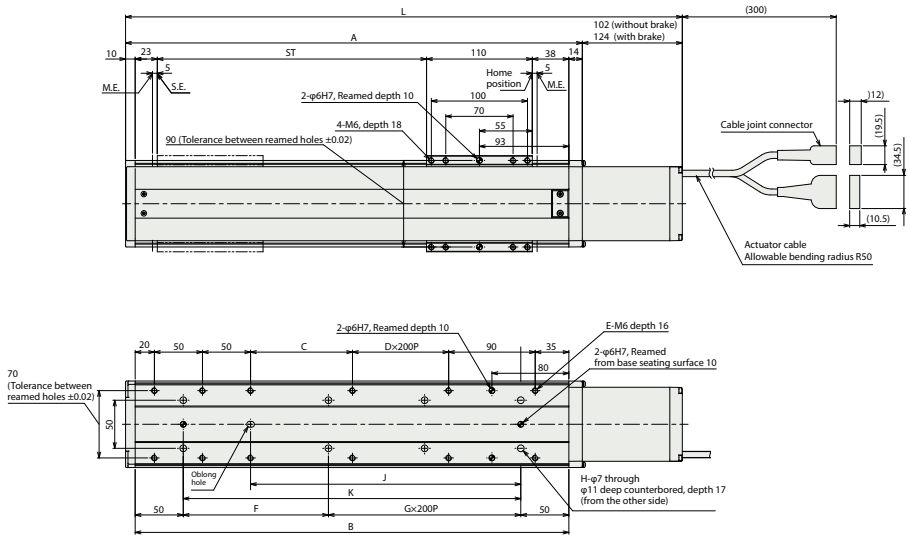
Stroke		1150	1200	1250	1300
L	100W without brake	1467	1517	1567	1617
	with brake	1493	1543	1593	1643
200W	without brake	1493	1543	1593	1643
	with brake	1518	1568	1618	1668
A		1380	1430	1480	1530
B		1354	1404	1454	1504
C		274	124	174	224
D		4	5	5	5
E		18	20	20	20
F		254	104	154	204
G		5	6	6	6
H		14	16	16	16
J		1184	1234	1284	1334
K		1254	1304	1354	1404
Mass (kg)	100W without brake	19.3	19.9	20.6	21.2
	with brake	19.8	20.4	21.0	21.7
200W	without brake	19.8	20.4	21.0	21.7
	with brake	20.3	21.0	21.6	22.2
max. speed (mm/s)	Lead 5	Not supported			
	Lead 10	190	190	165	165
	Lead 20	390	390	335	335
	Lead 30	575	575	500	500



ST: Stroke
M.E.: Mechanical end
S.E.: Stroke end

ISB-SXL-WA-60 / ISPB-SXL-WA-60

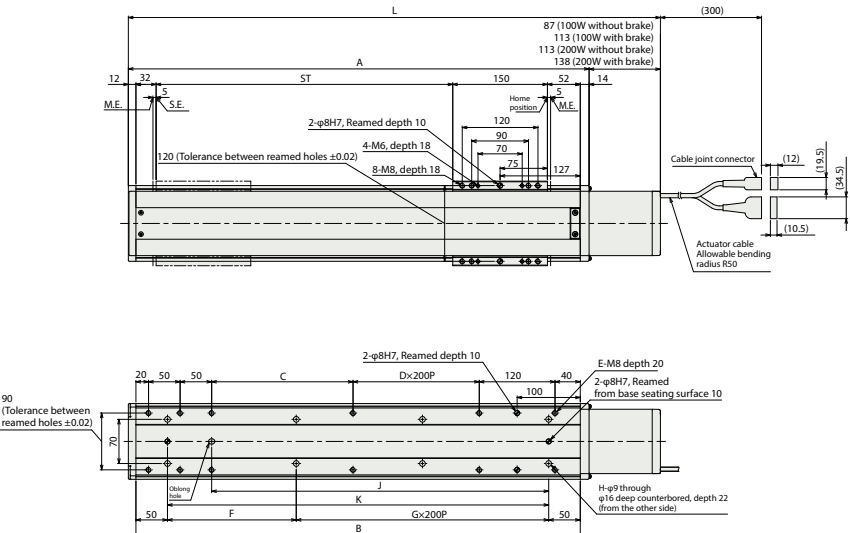
Stroke		930	980	1030	1080
L	60W without brake	1229	1279	1329	1379
	with brake	1249	1299	1349	1399
A		1125	1175	1225	1275
B		1101	1151	1201	1251
C		256	106	156	206
D		3	4	4	4
E		16	18	18	18
F		201	251	101	151
G		4	4	5	5
H		12	12	14	14
J		931	981	1031	1081
K		1001	1051	1101	1151
Mass (kg)	60W without brake	9.2	9.6	9.9	10.3
	with brake	9.5	9.8	10.2	10.5
max. speed (mm/s)	Lead 4	80	80	70	70
	Lead 8	170	170	140	140
	Lead 16	340	340	285	285



ST: Stroke
M.E.: Mechanical end
S.E.: Stroke end

ISB-MXL-WA-100 / ISB-MXL-WA-200 / ISPB-MXL-WA-100 / ISPB-MXL-WA-200

Stroke		1120	1170	1220	1270
L	100W without brake	1467	1517	1567	1617
	with brake	1493	1543	1593	1643
200W	without brake	1493	1543	1593	1643
	with brake	1518	1568	1618	1668
A		1380	1430	1480	1530
B		1354	1404	1454	1504
C		274	124	174	224
D		4	5	5	5
E		18	20	20	20
F		254	104	154	204
G		5	6	6	6
H		14	16	16	16
J		1184	1234	1284	1334
K		1254	1304	1354	1404
Mass (kg)	100W without brake	19.6	20.2	20.9	21.5
	with brake	20.1	20.7	21.3	22.0
200W	without brake	20.1	20.7	21.3	22.0
	with brake	20.6	21.3	21.9	22.5
max. speed (mm/s)	Lead 5	Not supported			
	Lead 10	190	190	165	165
	Lead 20	390	390	335	335
	Lead 30	575	575	500	500

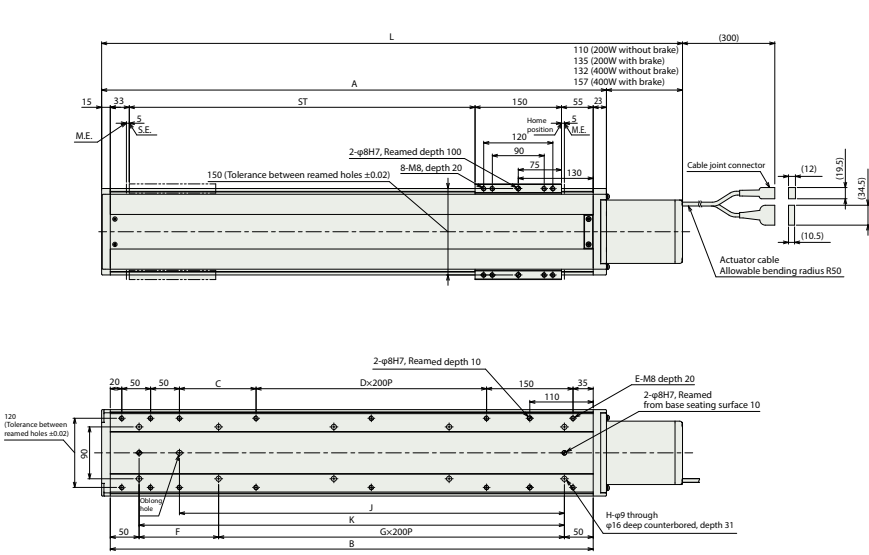


ST: Stroke
M.E.: Mechanical end
S.E.: Stroke end

Non-standard stroke specification Dimensions/Mass/Max. speed

■ ISB-LXM-WA-200 / ISB-LXM-WA-400 / ISPB-LXM-WA-200 / ISPB-LXM-WA-400

Stroke		1350	1400	1450	1500	1550	1600
L	200W without brake	1736	1786	1836	1886	1936	1986
	200W with brake	1761	1811	1861	1911	1961	2011
	400W without brake	1758	1808	1858	1908	1958	2008
	400W with brake	1783	1833	1883	1933	1983	2033
A		1626	1676	1726	1776	1826	1876
B		1588	1638	1688	1738	1788	1838
C		283	133	183	233	283	133
D		5	6	6	6	6	7
E		20	22	22	22	22	24
F		288	138	188	238	288	138
G		6	7	7	7	7	8
H		16	18	18	18	18	20
J		1418	1468	1518	1568	1618	1668
K		1488	1538	1588	1638	1688	1738
Mass (kg)	200W without brake	31.0	31.9	32.8	33.6	34.5	35.4
	200W with brake	31.6	32.5	33.4	34.2	35.1	36.0
	400W without brake	31.5	32.4	33.2	34.1	35.0	35.8
	400W with brake	32.1	33.0	33.8	34.7	35.6	36.4
max. speed (mm/s)	Lead 10	185	185	160	160	145	145
	Lead 20	370	370	330	330	290	290
	Lead 40	740	740	650	650	580	580

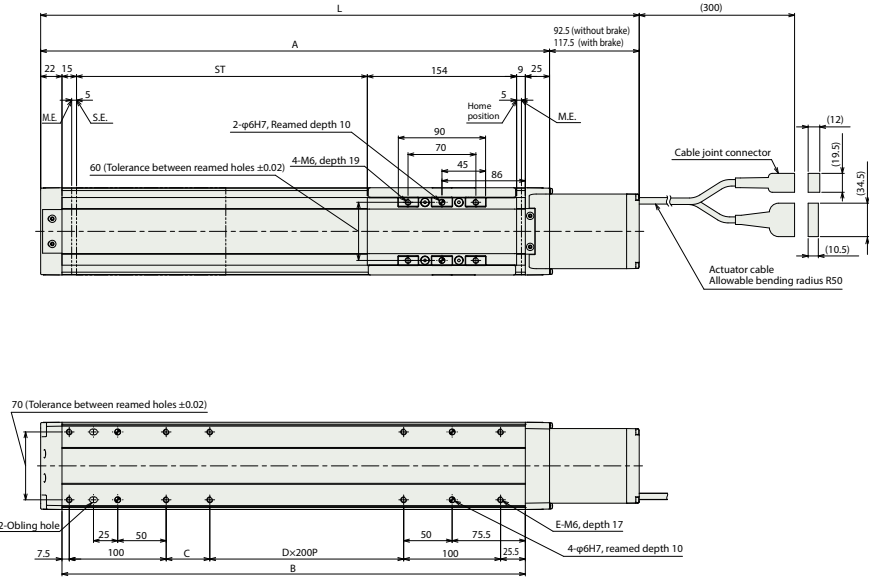


ST: Stroke
M.E.: Mechanical end
S.E.: Stroke end

Non-standard stroke specification Dimensions/Mass/Max. speed

■ ISDB-S-WA-60 / ISPDB-S-WA-60 / ISDBCR-S-WA-60 / ISPDBCR-S-WA-60

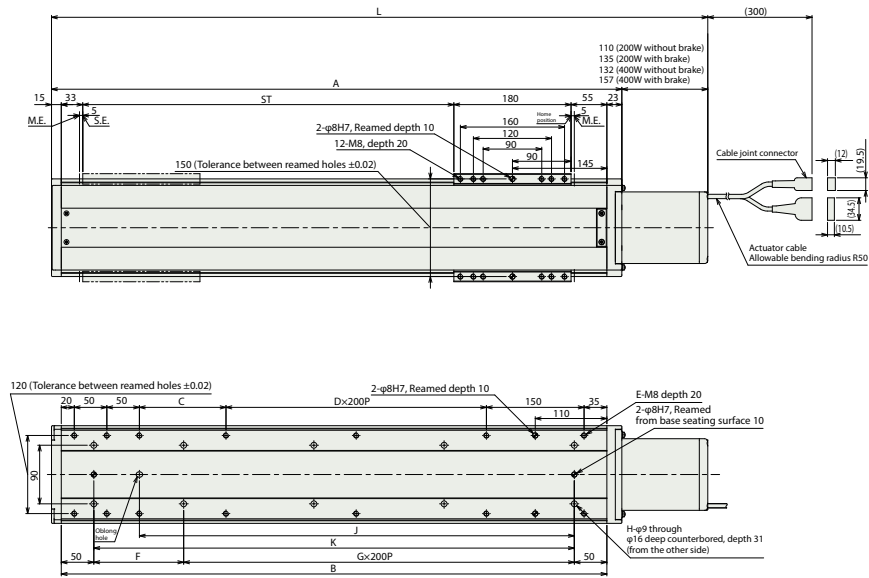
Stroke		850	900	950	1000	1050	1100
L	60W without brake	1167.5	1217.5	1267.5	1317.5	1367.5	1417.5
	60W with brake	1192.5	1242.5	1292.5	1342.5	1392.5	1442.5
	A	1075	1125	1175	1225	1275	1325
	B	1028	1078	1128	1178	1228	1278
C		195	45	95	145	195	45
D		3	4	4	4	4	5
E		14	16	16	16	16	18
Mass (kg)	60W without brake	9.5	9.8	10.2	10.6	10.9	11.3
	60W with brake	9.7	10.0	10.4	10.8	11.1	11.5
	CR without brake	9.6	9.9	10.3	10.7	11.0	11.4
	60W with brake	9.8	10.1	10.5	10.9	11.2	11.6
max. speed (mm/s)	Lead 4	105	95	85	75	70	65
	Lead 8	210	190	175	160	145	130
	Lead 16	430	390	350	320	295	270



ST: Stroke
M.E.: Mechanical end
S.E.: Stroke end

■ ISB-LXL-WA-200 / ISB-LXL-WA-400 / ISPB-LXL-WA-200 / ISPB-LXL-WA-400

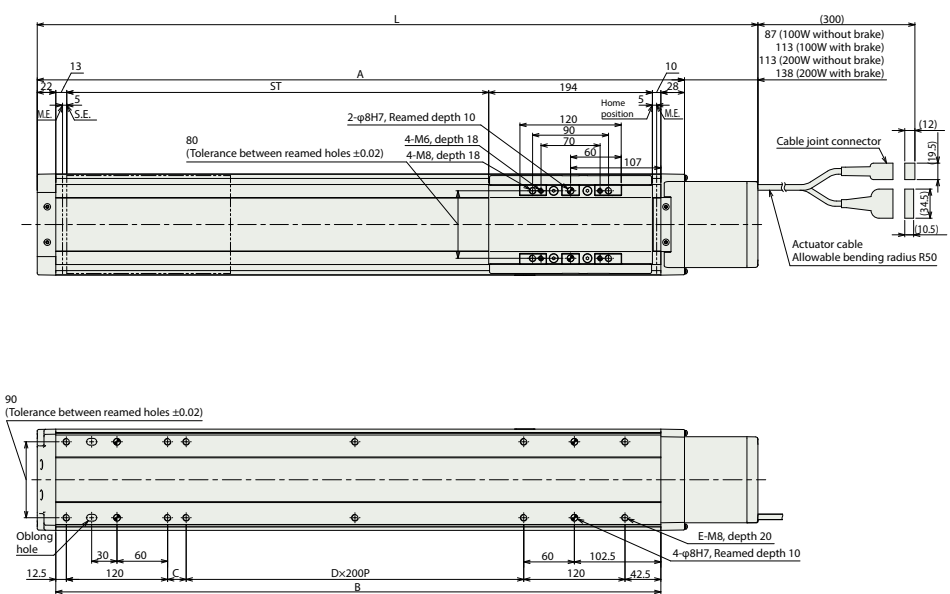
Stroke		1320	1370	1420	1470	1520	1570
L	200W without brake	1736	1786	1836	1886	1936	1986
	200W with brake	1761	1811	1861	1911	1961	2011
	400W without brake	1758	1808	1858	1908	1958	2008
	400W with brake	1783	1833	1883	1933	1983	2033
A		1626	1676	1726	1776	1826	1876
B		1588	1638	1688	1738	1788	1838
C		283	133	183	233	283	133
D		5	6	6	6	6	7
E		20	22	22	22	22	24
F		288	138	188	238	288	138
G		6	7	7	7	7	8
H		16	18	18	18	18	20
J		1418	1468	1518	1568	1618	1668
K		1488	1538	1588	1638	1688	1738
Mass (kg)	200W without brake	31.5	32.4	33.2	34.1	35.0	35.8
	200W with brake	32.1	33.0	33.8	34.7	35.6	36.4
	400W without brake	31.9	32.8	33.7	34.6	35.4	36.3
	400W with brake	32.5	33.4	34.3	35.2	36.0	36.9
max. speed (mm/s)	Lead 10	185	185	160	160	145	145
	Lead 20	370	370	330	330	290	290
	Lead 40	740	740	650	650	580	580



ST: Stroke
M.E.: Mechanical end
S.E.: Stroke end

■ IS(P)DB-M-WA-100 / IS(P)DB-M-WA-200 / IS(P)DBCR-M-WA-100 / IS(P)DBCR-M-WA-200

Stroke		1150	1200	1250	1300
L	100W without brake	1504	1554	1604	1654
	100W with brake	1530	1580	1630	1680
	200W without brake	1530	1580	1630	1680
	200W with brake	1555	1605	1655	1705
A		1417	1467	1517	1567
B		1367	1417	1467	1517
C		72	122	172	22
D		5	5	5	6
E		18	18	18	20
Mass (kg)	100W without brake	20.8	21.4	22.0	22.7
	100W with brake	21.1	21.7	22.3	23.0
	200W without brake	21.1	21.7	22.4	23.0
	200W with brake	21.5	22.1	22.8	23.4
	CR without brake	20.7	21.3	22.0	22.6
	100W without brake	21.0	21.6	22.3	22.9
	200W without brake	21.1	21.7	22.4	23.0
	200W with brake	21.5	22.1	22.8	23.4
max. speed (mm/s)	Lead 5	Not supported			
	Lead 10	200	185	170	160
	Lead 20	400	370	345	320
	Lead 30	600	555	515	480



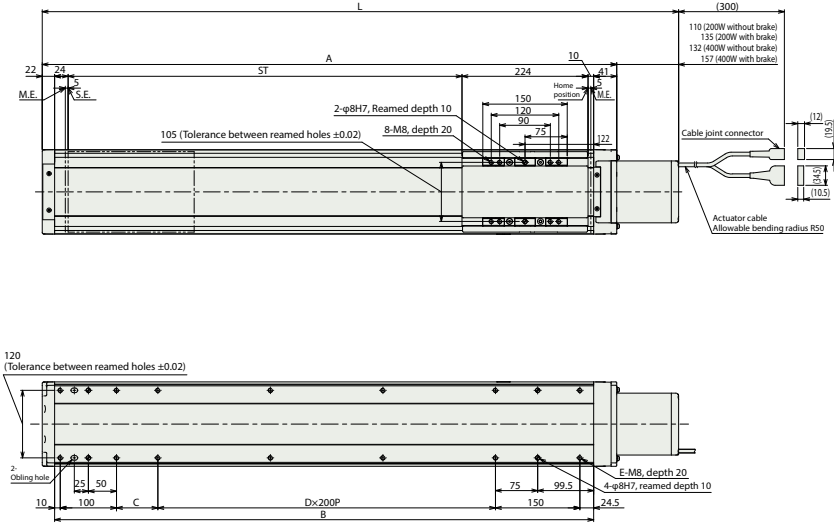
ST: Stroke
M.E.: Mechanical end
S.E.: Stroke end

Non-standard stroke specification

Dimensions/Mass/Max. speed

IS(P)DB-L-WA-200 / IS(P)DB-L-WA-400 / IS(P)DBCR-L-WA-200 / IS(P)DBCR-L-WA-400

Stroke		1350	1400	1450	1500	1550	1600
L	200W	without brake	1781	1831	1881	1931	1981
		with brake	1806	1856	1906	1956	2006
	400W	without brake	1803	1853	1903	1953	2003
		with brake	1828	1878	1928	1978	2028
	A		1671	1721	1771	1821	1871
	B		1608	1658	1708	1758	1808
C		123.5	173.5	23.5	73.5	123.5	173.5
D		6	6	7	7	7	7
E		20	20	22	22	22	22
Mass (kg)	200W	without brake	33.6	34.4	35.3	36.2	37.0
		with brake	34.1	34.9	35.8	36.7	37.5
	400W	without brake	34.0	34.8	35.7	36.6	37.4
		with brake	34.5	35.3	36.2	37.1	37.9
	CR		33.3	34.1	35.0	35.8	36.7
	CR		33.7	34.5	35.4	36.2	37.1
max. speed (mm/s)	Lead 10		185	175	165	155	145
	Lead 20		380	355	335	315	295
	Lead 40		760	710	670	630	590

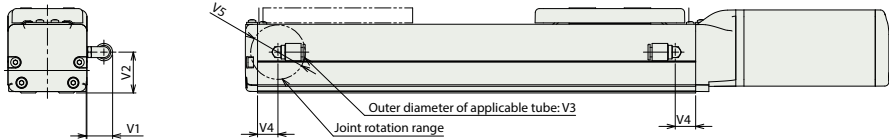


ST: Stroke
M.E.: Mechanical end
S.E.: Stroke end

With Joint Specification

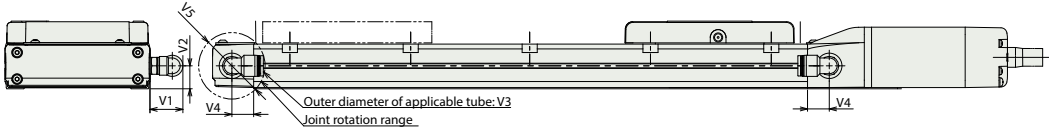
Mounting Dimensions

RCP6 (S) and RCS4 Series Slider Type



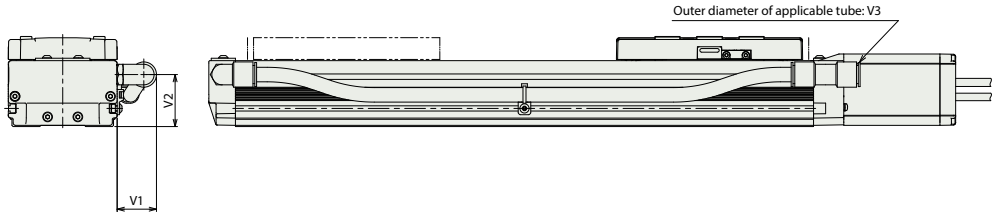
Model	V1	V2	V3	V4	V5
RCP6(S)-SA4C / SA4R	18.9	28	φ6	6	φ42
RCS4-SA4C / SA4R					
RCP6(S)-SA6C / SA6R	18.9	30	φ6	15	φ42
RCS4-SA6C / SA6R					
RCP6(S)-SA7C / SA7R	25.5	36.5	φ8	15	φ49
RCS4-SA7C / SA7R					
RCP6(S)-SA8C / SA8R	25.5	40	φ8	15	φ49
RCS4-SA8C / SA8R					

RCP6 (S) and RCS4 Series Wide Slider Type



Model	V1	V2	V3	V4	V5
RCP6(S)-WSA10C / WSA10R	23.8	16.5	φ8	15.5	φ48
RCS4-WSA10C / WSA10R					
RCP6(S)-WSA12C / WSA12R	27.3	19	φ10	18	φ55
RCS4-WSA12C / WSA12R					
RCP6(S)-WSA14C / WSA14R	27.3	22.5	φ10	19	φ55
RCS4-WSA14C / WSA14R					
RCP6(S)-WSA16C / WSA16R	27.3	25.5	φ10	18	φ55
RCS4-WSA16C / WSA16R					

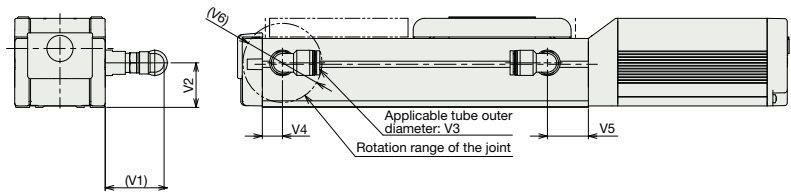
ISDB Series Slider Type



Model	V1	V2	V3
IS(P)DB-S	32.5	43	φ12
IS(P)DB-M / MX	32.5	55.5	φ12
IS(P)DB-L / LX	32.5	66.5	φ12

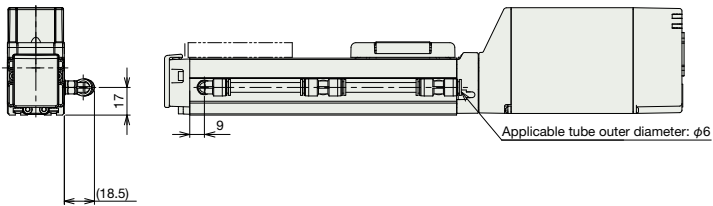
With-joint specification Dimensions for mounting

■ EC slider type *Excluding EC-(D) S3□A

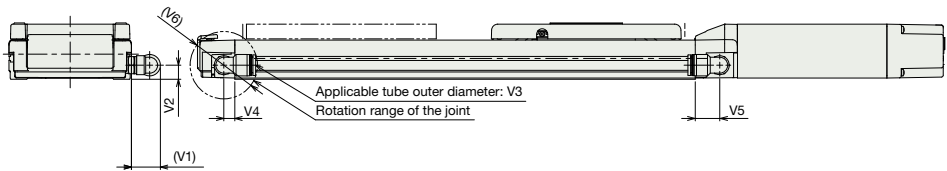


Model name	V1	V2	V3	V4	V5	V6
EC-(D)S3(R)	17.5	17	φ6	9	9	φ34
EC-(D)S4□(A)(R)	17.5	27.5	φ6	10	15	φ34
EC-(D)S6□(A)(R)	43.3	31	φ10	14	28.5	φ55
EC-(D)S7□(A)(R)	43.3	42	φ10	14	30	φ55
EC-(D)S6□AH(R)	26.3	41	φ10	25	25	φ55
EC-(D)S6X□AH(R)	31	19.5	φ10	21	21	φ55
EC-(D)S7□AH(R)	26.3	48	φ10	44.5	44.5	φ55
EC-(D)S7X□AH(R)	31	22	φ10	21	21	φ55
EC-S8(X)□(A)(R)	31	41	φ10	15	15	φ55

■ EC-(D) S3□A



■ EC Wide slider type



Model name	V1	V2	V3	V4	V5	V6
EC-(D)WS10(R)	23.7	11.5	φ10	9	20	φ55
EC-(D)WS12(R)	33.2	16	φ10	9	20	φ55

MEMO

IAI America, Inc.

USA Headquarter & Western Region (Los Angeles): 2690 W. 237th Street, Torrance, CA 90505 (800) 736-1712

Midwest Branch Office (Chicago) : 110 E. State Pkwy, Schaumburg, IL 60173 (800) 944-0333

Southeast Branch Office (Atlanta): 1220 Kennestone Circle, Suite 108, Marietta, GA 30066 (678) 354-9470

www.intelligentactuator.com

JAPAN Headquarters: 577-1 Obane, Shimizu-ku, Shizuoka-shi, Shizuoka, 424-0103, JAPAN

The information contained in this product brochure may change without prior notice due to product improvements.

IAI Industrieroboter GmbH

Ober der Röth 4, D-65824 Schwalbach am Taunus, Germany

IAI (Shanghai) Co., Ltd.

Shanghai Jiahua Business Center A8-303, 808,
Hongqiao Rd., Shanghai 200030, China

IAI Robot (Thailand) Co., Ltd.

825 Phairojkiija Tower 7th Floor, Debaratana Rd.,
Bangna Nuea, Bangna, Bangkok 10260, Thailand