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RCP6CR-HSA6XC

- High Rigidity Slider Type
- Cleanroom Specification
- Body Width : 60 mm

Product Features

±10µm

Standard

Cleanroom spec

Battery-less

Absolute

Inter-mediate

support

Coupled

Motor

24v

Stepper Motor

Mounting position

Horizontal

Vertical

Side

Ceiling



Request information

Instruction manual PDF

Parametric CAD Drawings

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[Dimensions](#)[Selection precautions](#)[Adaptive Controller](#)

Main specifications

Specification 1

item			Content							
Lead			Ball screw lead (mm)				20	12	6	3
horizontal	Payload	Maximum payload (kg) (high output effective)		15	28	42	42			
		Maximum payload (kg) (high output disabled)		8	14	20	25			
	Speed/acceleration/deceleration	Maximum speed (mm/s)		1120	800	450	225			
		Minimum speed (mm/s)		25	15	8	4			
		Rated acceleration/deceleration (G)		0.3	0.1	0.1	0.3			
		Maximum acceleration/deceleration (G)		1	1	1	1			
vertical	Payload	Maximum payload (kg) (high output effective)		1	2.5	6	16			
		Maximum payload (kg) (high output disabled)		0.75	2	5	10			
	Speed/acceleration/deceleration	Maximum speed (mm/s)		960	700	450	225			
		Minimum speed (mm/s)		25	15	8	4			
		Rated acceleration/deceleration (G)		0.3	0.3	0.3	0.3			
		Maximum acceleration/deceleration (G)		0.5	0.5	0.5	0.5			
Pressing		Maximum thrust when pressing (N)		67	112	224	449			
		Maximum pressing speed (mm/s)		20	20	20	20			
Clean room specifications		Vacuum volume (NL/min)		110	110	55	40			
brake		Brake specifications		Non-excitation electromagnetic brake						
		Brake holding force (kgf)		1	2.5	6	16			
stroke		Minimum stroke (mm)		500	500	500	500			
		Maximum stroke (mm)		1500	1500	1400	1000			
		Stroke pitch (mm)		50	50	50	50			

Specification 2

item	Content
Drive system	Ball screw φ10mm Rolled C10
Repeated positioning accuracy	±0.01mm

posture	horizontal					vertical		
speed (mm/s)	Acceleration (G)							
	0.1	0.3	0.5	0.7	1	0.1	0.3	0.5
0	15	15	10	8	7	1	1	1
160	15	15	10	8	7	1	1	1
320	12	12	10	8	6	1	1	1
480	12	12	9	8	6	1	1	1
640	12	12	6.5	5	4	1	1	1
800	9.5	9.5	5	3	2	1	1	1
960		6	3	2	1		0.5	0.5
1120		3	1					

Lead 12

posture	horizontal					vertical		
speed	Acceleration (G)							
	(mm/s)	0.1	0.3	0.5	0.7	1	0.1	0.3
0	28	26	18	16	14	2.5	2.5	2.5
80	28	26	18	16	14	2.5	2.5	2.5
200	28	26	18	16	14	2.5	2.5	2.5
320	26	26	18	14	12	2.5	2.5	2.5
440	26	26	13	11	7	2.5	2.5	2.5
560	17.5	17.5	9	4	3	2	2	2
700		9	3	2	1		1	0.5
800		3						

Lead 6

posture	horizontal					vertical		
speed (mm/s)	Acceleration (G)							
	0.1	0.3	0.5	0.7	1	0.1	0.3	0.5
0	42	38	26	24	20	6	6	6
40	42	38	26	24	20	6	6	6
100	40	38	26	24	20	6	6	6
160	40	38	26	24	20	6	6	6
220	37	36	26	24	18	6	6	6
280	32	32	26	18	13	6	6	5.5
340	26	26	16	11	8	5	5	4.5
400	22	16	6	3	1	2.5	2.5	1.5
450	12	6	1			1	1	

Lead 3

posture	horizontal					vertical		
speed (mm/s)	Acceleration (G)							
	0.1	0.3	0.5	0.7	1	0.1	0.3	0.5
0	42	42	35	35	35	16	16	16
50	42	42	35	35	35	16	16	16
80	40	40	35	35	30	16	16	16
110	40	40	35	35	30	16	16	16
140	40	40	35	35	28	15	15	15
170	40	36	29	20	16	11	10	8

200	24	6	6	1	1	4	4	3
225	8					1		

High output setting disabled (energy saving mode). Maximum speed varies depending on the payload. Payload is in kg. Blank fields indicate that the operation is not possible.

Lead 20

posture	horizontal		vertical
speed (mm/s)	Acceleration (G)		
	0.3	0.7	0.3
0	8	5	0.75
160	8	5	0.75
320	8	5	0.75
480	8	4	0.75
640	6	3	0.75
800	3	0.5	

Lead 12

posture	horizontal		vertical
speed (mm/s)	Acceleration (G)		
	0.3	0.7	0.3
0	14	10	2
80	14	10	2
200	14	10	2
320	14	10	2
440	11	5	1.5
560	4	0.5	0.5

Lead 6

posture	horizontal		vertical
speed (mm/s)	Acceleration (G)		
	0.3	0.7	0.3
0	20	14	5
40	20	14	5
100	20	14	5
160	20	14	5
220	16	14	4
280	11	3	1.5
340	1		

Lead 3

posture	horizontal		vertical
speed (mm/s)	Acceleration (G)		
	0.3	0.7	0.3
0	25	22	10
20	25	22	10
50	25	22	10
80	25	22	10
110	20	14	8
140	15	4	3

Adaptive Controller

The actuators on this page can be operated with the following controllers. Please select the type that best suits your application.

name	exterior	Maximum number of connectable axes	Power supply voltage	Control Method																	Maximum number of positioning points
				Positioner	Pulse train	program	Network *Select														
							DV	CC	CIE	CIT	PR	CN	ML	ML3	EC	EP	PRT	SSN	ECM		
MSEL-PC/PG		4	Single-phase AC 100-230V	-	-	●	●	●	-	-	●	-	-	-	●	●	●	-	-	30000	
PCON-CB/CGB		1	DC24V	● ※Select	● ※Select	-	●	●	●	-	●	●	●	●	●	●	●	-	-	512 (network specification is 768)	
PCON-CYB/PLB/PQB		1		● ※Select	● ※Select	-	-	-	-	-	-	-	-	-	-	-	-	-	-	64	
RCON		16 (ML3, SSN, ECM are 8)		-	-	-	●	●	●	●	●	-	-	●	●	●	●	●	●	128 (ML3, SSN, ECM have no position data)	
RSEL		8		-	-	●	●	●	●	-	●	-	-	-	●	●	●	-	-	36000	

(Note) For network abbreviations such as DV and CC, please refer to page 8-15.

Overseas Standards



Selection precautions

Selection Notes 	(1) As the stroke length increases, the maximum speed decreases due to the ball screw's critical rotation speed. Check the maximum speed for your desired stroke in "Stroke and Maximum Speed." (2) The maximum load capacity is listed in "Main Specifications." For details, refer to the "Load Capacity by Speed and Acceleration Table." (3) When performing push-motion operations, refer to the "Correlation Diagram of Push Force and Current Limit Value." The push force is a guideline value. For important points, see page 1-321. (4) The duty ratio must be limited depending on the ambient temperature. For details, see page 1-334. (5) Caution is required depending on the mounting orientation. For details, see page 1-313. (6) The recommended overhang load length is 300 mm or less in the Ma, Mb, and Mc directions. For details on overhang load length, see page 7-78.
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Dimensions

ST: Stroke

ME: Mechanical end

SE: Stroke end

(Note) When performing a return to origin, the slider will move to the ME, so be careful not to interfere with the surrounding area.

(Note) For details on precautions for changing the cable exit direction, refer to page 7-748.

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RCP6CR-HSA7XC

- High Rigidity Slider Type
- Cleanroom Specification
- Body Width : 80 mm

Product Features

±10µm

Standard

Cleanroom spec

Battery-less Absolute

Inter-mediate support

Coupled Motor

24v Stepper Motor

Mounting position

Horizontal

Vertical

Side

Ceiling



Request information

Instruction manual PDF

Parametric CAD Drawings

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[Dimensions](#)[Selection precautions](#)[Adaptive Controller](#)

Main specifications

Specification 1

item			Content				
Lead			Ball screw lead (mm)				
			24	16	8	4	
horizontal	Payload	Maximum payload (kg) (high output effective)		37	48	53	53
		Maximum payload (kg) (high output disabled)		18	35	40	40
	Speed/acceleration/deceleration	Maximum speed (mm/s)		1080	700	350	175
		Minimum speed (mm/s)		30	20	10	5
		Rated acceleration/deceleration (G)		0.3	0.1	0.1	0.1
		Maximum acceleration/deceleration (G)		1	1	1	1
vertical	Payload	Maximum payload (kg) (high output effective)		3	8	16	25
		Maximum payload (kg) (high output disabled)		2	5	10	15
	Speed/acceleration/deceleration	Maximum speed (mm/s)		860	560	350	140
		Minimum speed (mm/s)		30	20	10	5
		Rated acceleration/deceleration (G)		0.3	0.3	0.3	0.3
		Maximum acceleration/deceleration (G)		0.5	0.5	0.5	0.5
Pressing		Maximum thrust when pressing (N)		139	209	418	836
		Maximum pressing speed (mm/s)		20	20	20	20
Clean room specifications		Vacuum volume (NL/min)		140	120	55	35
brake		Brake specifications		Non-excitation electromagnetic brake			
		Brake holding force (kgf)		3	8	16	25
stroke		Minimum stroke (mm)		700	700	700	700
		Maximum stroke (mm)		1500	1500	1500	1100
		Stroke pitch (mm)		50	50	50	50

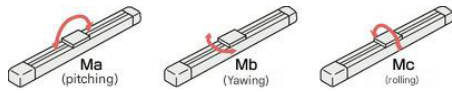
Specification 2

item	Content
Drive system	Ball screw φ12mm Rolled C10
Repeated positioning accuracy	±0.01mm

Lost Motion	0.1mm or less
base	Material: Aluminum with white anodized finish
Linear guide	Direct acting infinite circulation type
Static allowable moment	Ma: 145 N ·m
	Mb: 145 N ·m
	Mc: 300 N ·m
Dynamic allowable moment (Note 1)	Ma: 75.5 N ·m
	Mb: 90 N ·m
	Mc: 134 N ·m
Cleanliness	Class 2.5 equivalent (ISO 14644-1 standard)
Ambient temperature and humidity	0 to 40°C, 85% RH or less (no condensation)
Protection class	IP20
Vibration and shock resistance	4.9 m/s ²
Overseas compatible standards	CE mark, RoHS directive
Motor Type	Pulse motor
Encoder Type	Battery-less absolute
Encoder pulse count	8192 pulses/rev
deadline	Listed on the homepage [Delivery date inquiry]

(Note 1) Based on a standard rated life of 5,000 km. Running life will vary depending on operating conditions and installation. Please check the running life on page 1-280.

Slider type moment direction



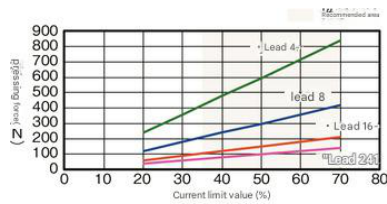
Stroke and maximum speed

(unit: mm/s)

Lead (mm)	Connection Controller	700 to 950 (every 50 mm)	1000 (mm)	1050 (mm)	1100 (mm)	1150 (mm)	1200 (mm)	1250 (mm)	1300 (mm)	1350 (mm)	1400 (mm)	1450 (mm)	1500 (mm)
twenty four	High output enabled	1080 860			990 860	920 860	850	770	735	680	635	565	550
	High Output Disabled	800 640						770 640	735 640	680 640	635	565	550
16	High output enabled	700 560			645 560	590 560	555	510	470	440	420	375	355
	High Output Disabled	500 420							470 420	440 420	420	375	355
8	High output enabled	420	375	345	310	285	255	245	230	215	190	180	170
	High Output Disabled	210									190	180	170
4	High output enabled	175 140	165 140	150 140									
	High Output Disabled	120 105											

(Note) The values in < > are for vertical use.

Correlation diagram between pressing force and current limit value



Payload capacity by speed and acceleration *High output setting is enabled at the time of shipment. For details, see page 1-23.

High output setting enabled (power mode). Maximum speed varies depending on payload. Payload is in kg. Blank fields indicate non-operational.

Lead 24

posture	horizontal					vertical		
speed (mm/s)	Acceleration (G)							
	0.1	0.3	0.5	0.7	1	0.1	0.3	0.5
0	37	37	22	16	14	3	3	3
200	37	37	22	16	14	3	3	3
420	34	34	20	16	11	3	3	3
640	15	15	10	8	6.5	3	3	2

860		9	6	3	2		1	0.5
1080		3						

Lead 16

posture	horizontal					vertical		
speed (mm/s)	Acceleration (G)							
	0.1	0.3	0.5	0.7	1	0.1	0.3	0.5
0	48	46	35	28	27	8	8	8
140	48	46	35	28	27	8	8	8
280	48	46	35	25	19	8	8	8
420	35	30	19	15	10	5	5	4.5
560	15	15	9	5	2	2.5	2.5	2
700	3	3	1					

Lead 8

posture	horizontal					vertical		
speed (mm/s)	Acceleration (G)							
	0.1	0.3	0.5	0.7	1	0.1	0.3	0.5
0	53	51	45	40	40	16	16	16
70	53	51	45	40	40	16	16	16
140	53	51	40	38	35	16	16	16
210	51	51	35	30	24	10	10	9.5
280	40	40	28	20	15	8	8	7
350	26	20	8	2		3	3	2
420	5	1						

Lead 4

posture	horizontal					vertical		
speed	Acceleration (G)							
	(mm/s)	0.1	0.3	0.5	0.7	1	0.1	0.3
0	53	51	45	40	40	25	25	25
35	53	51	45	40	40	25	25	25
70	53	51	45	40	40	25	25	25
105	51	51	45	40	35	20	20	19
140	45	45	35	30	25	14	14	12
175	11					4	3	

High output setting disabled (energy saving mode). Maximum speed varies depending on the payload. Payload is in kg. Blank fields indicate that the operation is not possible.

Lead 24

posture	horizontal		vertical
speed (mm/s)	Acceleration (G)		
	0.3	0.7	0.3
0	18	10	2
200	18	10	2
420	18	10	2
640	9	2	1
800	1		

Lead 16

posture	horizontal		vertical
speed (mm/s)	Acceleration (G)		
	0.3	0.7	0.3
0	35	20	5
140	35	20	5
280	25	12	3
420	14	4	1.5
500	4		

Lead 8

posture	horizontal		vertical
speed (mm/s)	Acceleration (G)		
	0.3	0.7	0.3
0	40	25	10
70	40	25	10
140	40	25	7
210	25	14	4

Lead 4

posture	horizontal		vertical
speed (mm/s)	Acceleration (G)		
	0.3	0.7	0.3
0	40	30	15
35	40	30	15
70	40	30	15
105	40	20	8
120	8		

Adaptive Controller

The actuators on this page can be operated with the following controllers. Please select the type that best suits your application.

name	exterior	Maximum number of connectable axes	Power supply voltage	Control Method																	Maximum number of positioning points
				Positioner	Pulse train	program	Network *Select														
							DV	CC	CIE	CIT	PR	CN	ML	ML3	EC	EP	PRT	SSN	ECM		
MSEL-PC/PG		4	Single-phase AC 100-230V	-	-	•	•	•	-	-	•	-	-	-	•	•	•	-	-	30000	
PCON-CB/CGB		1	DC24V	• ※Select	• ※Select	-	•	•	•	-	•	•	•	•	•	•	•	-	-	512 (network specification is 768)	
PCON-CYB/PLB/PQB		1		• ※Select	• ※Select	-	-	-	-	-	-	-	-	-	-	-	-	-	-	64	
RCON		16 (ML3, SSN, ECM are 8)		-	-	-	•	•	•	•	•	-	-	•	•	•	•	•	•	128 (ML3, SSN, ECM have no position data)	
RSEL		8		-	-	•	•	•	•	-	•	-	-	-	•	•	•	-	-	36000	



(Note) For network abbreviations such as DV and CC, please refer to page 8-15.

Overseas Standards



Selection precautions

Selection Notes	(1) As the stroke length increases, the maximum speed decreases due to the ball screw's critical rotation speed. Check the desired maximum speed for the stroke in "Stroke and Maximum Speed." (2) The maximum load capacity is listed in "Main Specifications." For details, refer to the "Load Capacity by Speed and Acceleration Table." (3) When performing push-motion operations, refer to the "Correlation Diagram of Push Force and Current Limit Value." The push force is a guideline value. For important points, see page 1-321. (4) The duty ratio must be limited depending on the ambient temperature. For details, see page 1-334. (5) Caution is required depending on the mounting orientation. For details, see page 1-313. (6) The guideline for the overhang load length is 300 mm or less in the Ma, Mb, and Mc directions. For details on the overhang load length, see page 7-78.
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Dimensions

ST: Stroke

ME: Mechanical end

SE: Stroke end

(Note) When performing a return to origin, the slider will move to the ME, so be careful not to interfere with the surrounding area.

(Note) For details on precautions for changing the cable exit direction, refer to page 7-748.

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RCP6CR-HSA6C

- High Rigidity Slider Type
- Cleanroom Specification
- Body Width : 60 mm

Product Features

±10μm

Standard

±5μm

High precision
Option setting

Cleanroom spec

Battery-less Absolute

Coupled Motor

24v Stepper Motor

Mounting position



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Instruction manual PDF

Parametric CAD Drawings

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Main specifications

Specification 1

item			Content							
Lead			Ball screw lead (mm)				20	12	6	3
horizontal	Payload		Maximum payload (kg) (high output effective)		15	29	50	42		
			Maximum payload (kg) (high output disabled)		8	14	20	25		
	Speed/acceleration/deceleration		Maximum speed (mm/s)		1280	900	450	225		
			Minimum speed (mm/s)		25	15	8	4		
			Rated acceleration/deceleration (G)		0.3	0.1	0.1	0.3		
			Maximum acceleration/deceleration (G)		1	1	1	1		
vertical	Payload		Maximum payload (kg) (high output effective)		1	2.5	6	16		
			Maximum payload (kg) (high output disabled)		0.75	2	5	10		
	Speed/acceleration/deceleration		Maximum speed (mm/s)		1120	900	450	225		
			Minimum speed (mm/s)		25	15	8	4		
			Rated acceleration/deceleration (G)		0.3	0.3	0.3	0.3		
			Maximum acceleration/deceleration (G)		0.5	0.5	0.5	0.5		
Pressing		Maximum thrust when pressing (N)		67	112	224	449			
		Maximum pressing speed (mm/s)		20	20	20	20			
Clean room specifications			Vacuum volume (NL/min)		100	70	40	30		
brake			Brake specifications		Non-excitation electromagnetic brake					
			Brake holding force (kgf)		1	2.5	6	16		
stroke			Minimum stroke (mm)		50	50	50	50		
			Maximum stroke (mm)		800	800	800	800		
			Stroke pitch (mm)		50	50	50	50		

Specification 2

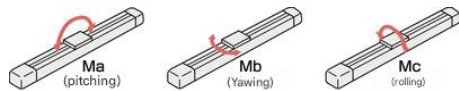
Item	Content
Drive system	Ball screw φ10mm Rolled C10

Repeated positioning accuracy (Note 3)	±0.01mm 【±0.005mm】
Lost Motion	0.1mm or less
base	Material: Aluminum with white anodized finish
Linear guide	Direct acting infinite circulation type
Static allowable moment	Ma: 65 N ·m
	Mb: 75 N ·m
	Mc: 120 N ·m
Dynamic allowable moment (Note 4)	Ma: 33.7 N ·m
	Mb: 40.2 N ·m
	Mc: 55.3 N ·m
Cleanliness	Class 2.5 equivalent (ISO 14644-1 standard)
Ambient temperature and humidity	0 to 40°C, 85% RH or less (no condensation)
Protection class	IP20
Vibration and shock resistance	4.9 m/s ²
Overseas compatible standards	CE mark, RoHS directive
Motor Type	Pulse motor
Encoder Type	Battery-less absolute
Encoder pulse count	8192 pulses/rev
deadline	Listed on the homepage [Delivery date inquiry]

(Note 3) Values in brackets [] are for high-precision specifications (leads 3, 6, 12).

(Note 4) Based on a standard rated life of 5,000 km. Running life will vary depending on operating conditions and installation. 1-280 for details on running life.

Slider type moment direction



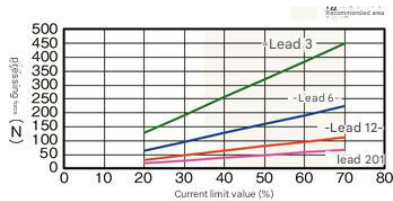
Stroke and maximum speed

(unit: mm/s)

Lead (mm)	Connection Controller	50 to 400 (every 50 mm)	450 (mm)	500 (mm)	550 (mm)	600 (mm)	650 (mm)	700 (mm)	750 (mm)	800 (mm)
20	High output enabled	1280 <1120>			1090	940	815	715	630	560
	High Output Disabled	800						715	630	560
12	High output enabled	900	845	705	585	515	445	390	345	315
	High Output Disabled	680 560			585 560	515	445	390	345	315
6	High output enabled	450	415	350	295	255	220	190	170	140
	High Output Disabled	340			295	255	220	190	170	140
3	High output enabled	225	205	170	145	125	110	95	85	70
	High Output Disabled	170			145	125	110	95	85	70

(Note) The values in < > are for vertical use.

Correlation diagram between pressing force and current limit value



Payload capacity by speed and acceleration *High output setting is enabled at the time of shipment. For details, see page 1-23 .

High output setting enabled (power mode). Maximum speed varies depending on payload. Payload is in kg. Blank fields indicate non-operational.

Lead 20

posture	horizontal					vertical		
speed (mm/s)	Acceleration (G)							
	0.1	0.3	0.5	0.7	1	0.1	0.3	0.5
0	15	15	10	8	7	1	1	1

160	15	15	10	8	7	1	1	1
320	15	12	10	8	6	1	1	1
480	12	12	9	8	6	1	1	1
640	12	12	8	6	5	1	1	1
800	10	10	6.5	4.5	3	1	1	1
960		8	5	3.5	1.5		1	1
1120		5	3	2	1		0.5	0.5
1280			1	0.5				

Lead 12

posture	horizontal					vertical		
speed (mm/s)	Acceleration (G)							
	0.1	0.3	0.5	0.7	1	0.1	0.3	0.5
0	29	27	20	17	14	2.5	2.5	2.5
80	29	27	20	17	14	2.5	2.5	2.5
200	29	27	20	17	14	2.5	2.5	2.5
320	29	27	20	14	12	2.5	2.5	2.5
440	29	26	18	12	10	2.5	2.5	2.5
560	29	20	12	8	7	2.5	2.5	2.5
700		13	7	5	4		2	1
800		8	4	2	1		1	0.5
900		3	1	0.5				

Lead 6

posture	horizontal					vertical		
speed (mm/s)	Acceleration (G)							
	0.1	0.3	0.5	0.7	1	0.1	0.3	0.5
0	50	45	40	35	30	6	6	6
40	50	45	40	35	30	6	6	6
100	50	45	40	35	30	6	6	6
160	50	43	35	32	20	6	6	6
220	48	39	29	24	20	6	6	6
280	44	35	26	21	15	6	6	5.5
340	38	31	19	14	11	6	5	4.5
400	32	18	10	6	4	4.5	3	2.5
450	26	10	4	2	1	3	1.5	1

Lead 3

posture	horizontal					vertical		
speed (mm/s)	Acceleration (G)							
	0.1	0.3	0.5	0.7	1	0.1	0.3	0.5
0	42	42	37	35	35	16	16	16
50	42	42	37	35	35	16	16	16
80	40	40	35	35	30	16	16	16
110	40	40	35	35	30	16	16	16
140	40	40	35	35	28	16	15	15
170	40	40	32	26	26	10	10	10
200	40	30	21	10	10	8	5	5
225	40	8				5	2	

High output setting disabled (energy saving mode). Maximum speed varies depending on the payload. Payload is in kg. Blank fields indicate that the operation is not possible.

Lead 20

posture	horizontal		vertical
speed (mm/s)	Acceleration (G)		
	0.3	0.7	0.3
0	8	5	0.75
160	8	5	0.75
320	8	5	0.75
480	8	4	0.75
640	6	3	0.75
800	4	1.5	0.5

Lead 12

posture	horizontal		vertical
speed (mm/s)	Acceleration (G)		
	0.3	0.7	0.3
0	14	10	2
80	14	10	2
200	14	10	2
320	14	10	2
440	11	7	1.5
560	7	2.5	1
680	4		

Lead 6

posture	horizontal		vertical
speed (mm/s)	Acceleration (G)		
	0.3	0.7	0.3
0	20	14	5
40	20	14	5
100	20	14	5
160	20	14	5
220	16	14	4
280	13	7	2.5
340	8	1	1

Lead 3

posture	horizontal		vertical
speed (mm/s)	Acceleration (G)		
	0.3	0.7	0.3
0	25	22	10
20	25	22	10
50	25	22	10
80	25	22	10
110	20	14	8
140	15	11	5
170	5		1.5

Adaptive Controller

The actuators on this page can be operated with the following controllers. Please select the type that best suits your application.

name	exterior	Maximum number of connectable axes	Power supply voltage	Control Method																Maximum number of positioning points	
				Positioner	Pulse train	program	Network *Select														
							DV	CC	CIE	CIT	PR	CN	ML	ML3	EC	EP	PRT	SSN	ECM		
MSEL-PC/PG		4	Single-phase AC 100-230V	-	-	●	●	-	-	●	-	-	-	●	●	●	-	-	30000		
PCON-CB/CGB		1	DC24V	● ※Select	● ※Select	-	●	●	●	-	●	●	●	●	●	●	-	-	512 (network specification is 768)		
PCON-CYB/PLB/PGB		1		● ※Select	● ※Select	-	-	-	-	-	-	-	-	-	-	-	-	-	64		
RCON		16 (ML3, SSN, ECM are 8)		-	-	-	●	●	●	●	●	-	-	●	●	●	●	●	128 (ML3, SSN, ECM have no position data)		
RSEL		8		-	-	●	●	●	●	-	●	-	-	-	●	●	●	-	-	36000	

(Note) For network abbreviations such as DV and CC, please refer to page 8-15 .

Overseas Standards



Selection precautions

Selection Notes 	(1) As the stroke length increases, the maximum speed decreases due to the critical rotation speed of the ball screw. Check the maximum speed for your desired stroke in "Stroke and Maximum Speed."
	(2) The maximum load capacity is listed in "Main Specifications." For details, refer to the "Load Capacity by Speed and Acceleration Table."
	(3) For push-motion operations, refer to the "Correlation Diagram of Push Force and Current Limit Value." The push force is a guideline value. For important points, see page 1-321.
	(4) The duty ratio must be limited depending on the ambient temperature. For details, see page 1-334.
	(5) Caution is required depending on the mounting orientation. For details, see page 1-313.
	(6) The recommended overhang load length is 300 mm or less in the Ma, Mb, and Mc directions (600 mm or less for double slider specifications). For details on overhang load length, see page 7-78.
	(7) For double slider specifications, see page 1-299 for ordering model numbers and precautions.

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Dimensions

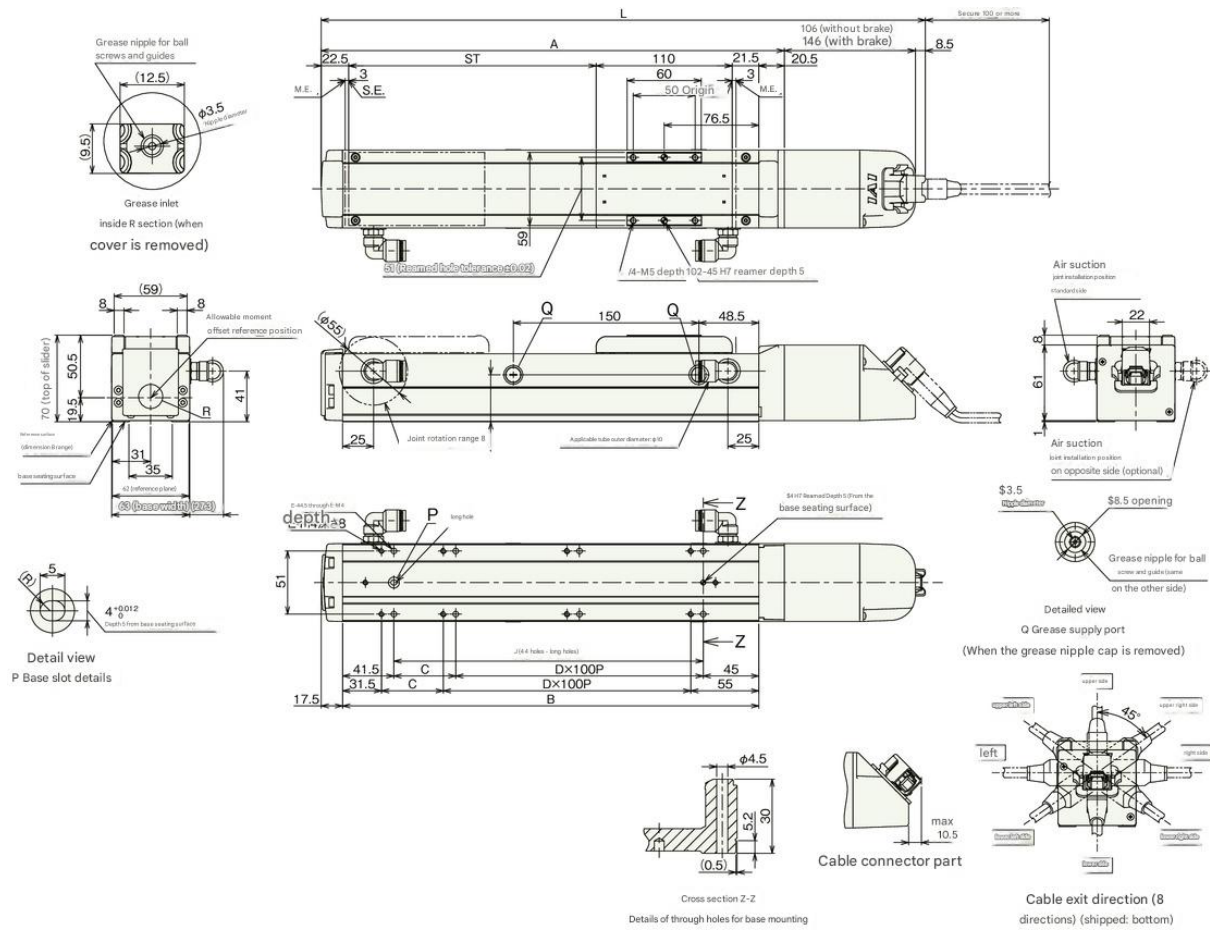
ST: Stroke

ME: Mechanical end

SE: Stroke end

(Note) When performing a return to origin, the slider will move to the ME, so be careful not to interfere with the surrounding area.

(Note) For details on precautions for changing the cable exit direction, refer to page 7-748.



Stroke dimensions

stroke		50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800
L	No brakes	339	389	439	489	539	589	639	689	739	789	839	889	939	989	1039	1089
	With brake	379	429	479	529	579	629	679	729	779	829	879	929	979	1029	1079	1129
A		224.5	274.5	324.5	374.5	424.5	474.5	524.5	574.5	624.5	674.5	724.5	774.5	824.5	874.5	924.5	974.5
B		186.5	236.5	286.5	336.5	386.5	436.5	486.5	536.5	586.5	636.5	686.5	736.5	786.5	836.5	886.5	936.5
C		0	50	0	50	0	50	0	50	0	50	0	50	0	50	0	50
D		1	1	2	2	3	3	4	4	5	5	6	6	7	7	8	8
E		4	6	6	8	8	10	10	12	12	14	14	16	16	18	18	20
J		100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850

Mass by stroke

stroke		50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800
Mass (kg)	No brakes	1.9	2.1	2.3	2.5	2.8	3.0	3.2	3.4	3.7	3.9	4.1	4.3	4.6	4.8	5.0	5.2
	With brake	2.3	2.5	2.7	2.9	3.2	3.4	3.6	3.8	4.1	4.3	4.5	4.7	5.0	5.2	5.4	5.6

Main specifications (double slider specification)

Specification 1

item			Content		
Lead		Ball screw lead (mm)	12	6	3
horizontal	Payload	Maximum payload (kg) (high output effective)	24	30	38
		Maximum payload (kg) (high output disabled)	12	18	23
	Speed/acceleration/deceleration	Maximum speed (mm/s)	700	450	225
		Minimum speed (mm/s)	15	8	4
		Rated acceleration/deceleration (G)	0.3	0.3	0.3
		Maximum acceleration/deceleration (G)	1	1	1
		Payload	Maximum payload (kg) (high output effective)	-	4

vertical	Speed/acceleration/deceleration	Maximum payload (kg) (high output disabled)	-	3	8
		Maximum speed (mm/s)	-	340	200
		Minimum speed (mm/s)	-	8	4
		Rated acceleration/deceleration (G)	-	0.3	0.3
		Maximum acceleration/deceleration (G)	-	0.5	0.5
Pressing		Maximum thrust when pressing (N)	112	224	449
		Maximum pressing speed (mm/s)	20	20	20
Clean room specifications		Vacuum volume (NL/min)	100	60	35
brake		Brake specifications	Non-excitation electromagnetic brake		
		Brake holding force (kgf)	2.5	6	16
stroke		Minimum nominal stroke (mm)	200	200	200
		Minimum effective stroke (mm)	50	50	50
		Maximum nominal stroke (mm)	800	800	800
		Maximum effective stroke (mm)	650	650	650
		Stroke pitch (mm)	50	50	50

(Note) Nominal stroke: The stroke listed in the model number

Effective stroke: The stroke that can actually be operated

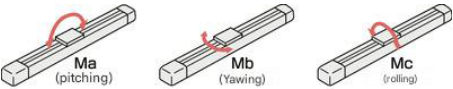
(Note) Lead 12 cannot be installed vertically.

Specification 2

item	Content
Drive system	Ball screw φ10mm Rolled C10
Repeated positioning accuracy	±0.01mm
Lost Motion	0.1mm or less
base	Material: Aluminum with white anodized finish
Linear guide	Direct acting infinite circulation type
Static allowable moment	Ma: 546 N・m
	Mb: 779 N・m
	Mc: 205 N・m
Dynamic allowable moment (Note 5)	Ma: 167 N・m
	Mb: 199 N・m
	Mc: 89.8 N・m
Cleanliness	Class 2.5 equivalent (ISO 14644-1 standard)
Ambient temperature and humidity	0 to 40°C, 85% RH or less (no condensation)
Protection class	IP20
Vibration and shock resistance	4.9 m/s ²
Overseas compatible standards	CE mark, RoHS directive
Motor Type	Pulse motor
Encoder Type	Battery-less absolute
Encoder pulse count	8192 pulses/rev
deadline	Listed on the homepage [Delivery date inquiry]

注5 基準定格寿命5,000km 場合 。走行寿命 運転条件、取付 状態 異 。1-280 走行寿命 確認 。

Slider type moment direction



Payload capacity by speed and acceleration (double slider specification)
 *High output setting is enabled at the time of shipment. For details, see page 1-23 .

High output setting enabled (power mode). Maximum speed varies depending on payload. Payload is in kg. Blank fields indicate non-operational.

Lead 12

posture	horizontal				vertical	
speed	Acceleration (G)					
	0.3	0.5	0.7	1	0.3	0.5
(mm/s)						
0	24	16	14	12		
80	24	16	14	12		
200	24	16	14	12		
320	24	16	10	8		

440	20	12	8	6		
560	12	6	4	2		
700	5	1				

Lead 6

姿勢	水平				垂直	
速度 mm/s	加速度 G					
	0.3	0.5	0.7	1	0.3	0.5
0	30	24	22	18	4	4
40	30	24	22	18	4	4
100	30	24	22	18	4	4
160	30	24	22	18	4	4
220	30	24	20	16	4	4
280	28	22	18	10	3	3
340	20	12	10	6	1	1
400	6	4	1			
450	1					

Lead 3

姿勢	水平				垂直	
速度 mm/s	加速度 G					
	0.3	0.5	0.7	1	0.3	0.5
0	38	33	33	33	14	14
50	38	33	33	33	14	14
80	38	33	33	28	14	14
110	38	33	33	28	14	14
140	38	33	30	26	13	12
170	36	28	21	20	10	8
200	25	15	5	4	3	2
225	3					

High output setting disabled (energy saving mode). Maximum speed varies depending on the payload. Payload is in kg. Blank fields indicate that the operation is not possible.

Lead 12

posture	horizontal		vertical
speed (mm/s)	Acceleration (G)		
	0.3	0.8	0.3
0	12	8	
80	12	8	
200	12	8	
320	12	8	
440	9	3	
560	2		

Lead 6

姿勢	水平		垂直
速度 mm/s	加速度 G		
	0.3	0.8	0.3
0	18	12	3

40	18	12	3
100	18	12	3
160	18	12	3
220	14	12	2
280	8	4	
340	1		

Lead 3

姿勢	水平		垂直
速度	加速度 G		
	0.3	0.8	0.3
mm/s			
0	23	20	8
20	23	20	8
50	23	20	8
80	23	20	8
110	18	12	6
140	12	8	3
170	8	4	1

Stroke and maximum speed (double slider specification)

(unit: mm/s)

Lead (mm)	Nominal stroke	200 to 400	450	500	550	600	650	700	750	800
	Effective stroke	50 to 250	300	350	400	450	500	550	600	650
	Connection Controller	(every 50mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)
12	High output enabled	700			585	515	445	390	345	315
	High Output Disabled	560				515	445	390	345	315
6	High output enabled	450 340	415 340	350 340	295	255	220	190	170	140
	High Output Disabled	340 220			295 220	255 220	220	190	170	140
3	High output enabled	225 200	205 200	170	145	125	110	95	85	70
	High Output Disabled	170			145	125	110	95	85	70

(Note) The values in < > are for vertical use.

(Note) Nominal stroke: The stroke listed in the model number

Effective stroke: The stroke that can actually be operated

Dimensions (double slider specification)

ST: Stroke

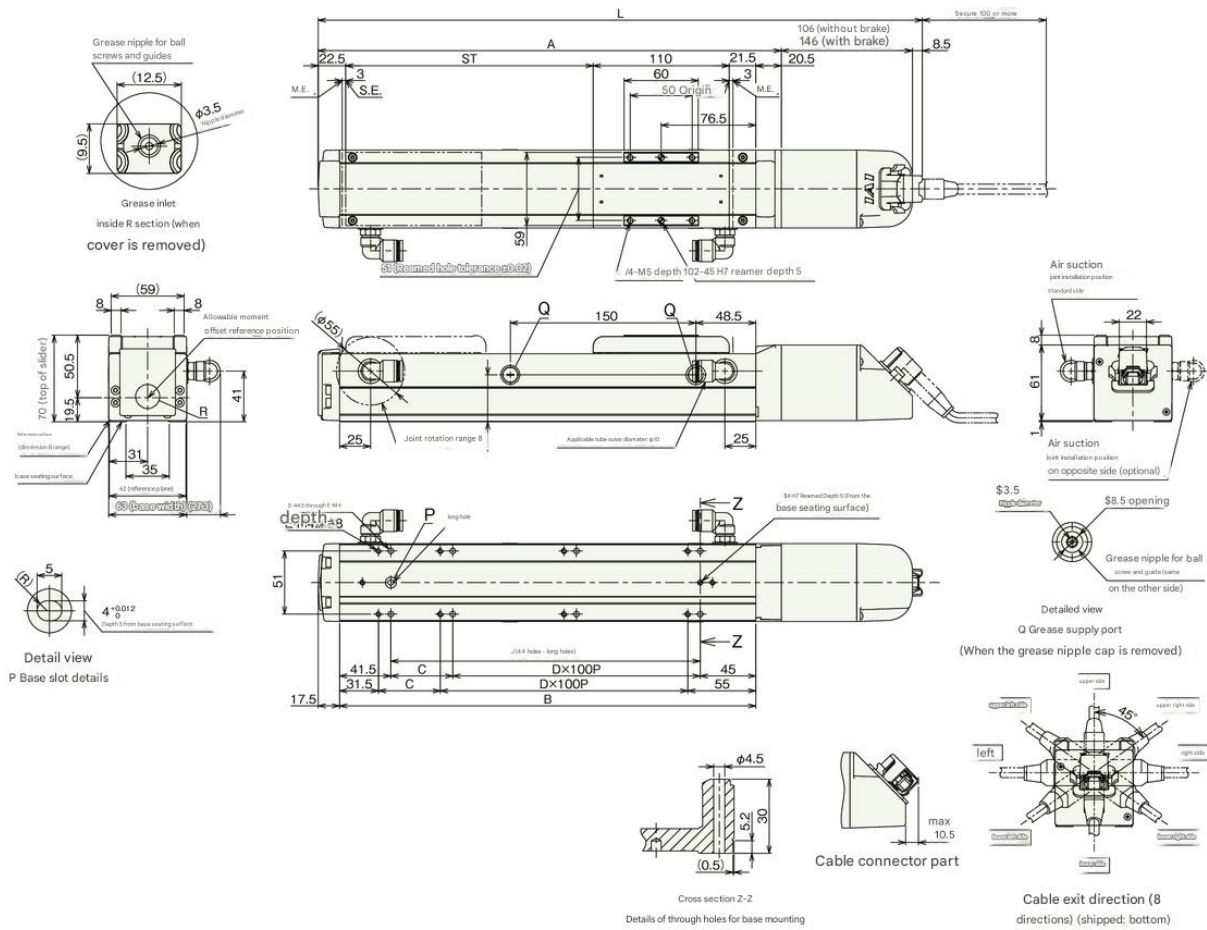
ME: Mechanical end

SE: Stroke end

Drawing (double slider specification)

(Note) When returning to the origin, the slider will move to the ME, so be careful not to let it interfere with surrounding objects.

(Note) For details on precautions for changing the cable exit direction, refer to page 7-748.



Stroke dimensions

Nominal stroke	200	250	300	350	400	450	500	550	600	650	700	750	800
Effective stroke	50	100	150	200	250	300	350	400	450	500	550	600	650
L	No brakes	489	539	589	639	689	739	789	839	889	939	989	1039
	With brake	529	579	629	679	729	779	829	879	929	979	1029	1079
A	374.5	424.5	474.5	524.5	574.5	624.5	674.5	724.5	774.5	824.5	874.5	924.5	974.5
B	336.5	386.5	436.5	486.5	536.5	586.5	636.5	686.5	736.5	786.5	836.5	886.5	936.5
C	50	0	50	0	50	0	50	0	50	0	50	0	50
D	2	3	3	4	4	5	5	6	6	7	7	8	8
E	8	8	10	10	12	12	14	14	16	16	18	18	20
J	250	300	350	400	450	500	550	600	650	700	750	800	850

(Note) Nominal stroke: The stroke listed in the model number

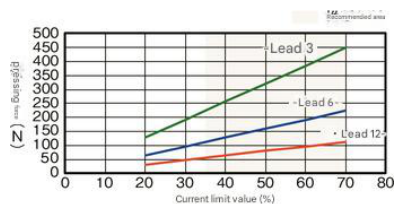
Effective stroke: The stroke that can actually be operated

Mass by stroke

Nominal stroke	200	250	300	350	400	450	500	550	600	650	700	750	800
Effective stroke	50	100	150	200	250	300	350	400	450	500	550	600	650
Mass (kg)	No brakes	2.93	3.23	3.43	3.63	3.83	4.13	4.33	4.53	4.73	5.03	5.23	5.43
	With brake	3.33	3.63	3.83	4.03	4.23	4.53	4.73	4.93	5.13	5.43	5.63	5.83

(Note) Mass is the weight of the single slider model plus a 0.43 kg free slider.

Correlation diagram between pressing force and current limit value (double slider specification)



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RCP6CR-HSA7C

- High Rigidity Slider Type
- Cleanroom Specification
- Body Width : 80 mm

Product Features

±10μm

Standard

±5μm

High precision

Option setting

Cleanroom spec

Battery-less

Absolute

Coupled

Motor

24v

Stepper Motor

Mounting position

Horizontal

Vertical

Side

Ceiling

Request information

Instruction manual PDF

Parametric CAD Drawings



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[Dimensions](#)[Selection precautions](#)[Adaptive Controller](#)

Main specifications

Specification 1

item			Content							
Lead			Ball screw lead (mm)				24	16	8	4
horizontal	Payload		Maximum payload (kg) (high output effective)		37	48	61	55		
			Maximum payload (kg) (high output disabled)		18	35	40	40		
	Speed/acceleration/deceleration		Maximum speed (mm/s)		1230	840	420	210		
			Minimum speed (mm/s)		30	20	10	5		
			Rated acceleration/deceleration (G)		0.3	0.1	0.1	0.1		
			Maximum acceleration/deceleration (G)		1	1	1	1		
vertical	Payload		Maximum payload (kg) (high output effective)		3	8	16	25		
			Maximum payload (kg) (high output disabled)		2	5	10	15		
	Speed/acceleration/deceleration		Maximum speed (mm/s)		1080	840	420	210		
			Minimum speed (mm/s)		30	20	10	5		
			Rated acceleration/deceleration (G)		0.3	0.3	0.3	0.3		
			Maximum acceleration/deceleration (G)		0.5	0.5	0.5	0.5		
Pressing		Maximum thrust when pressing (N)		139	209	418	836			
		Maximum pressing speed (mm/s)		20	20	20	20			
Clean room specifications			Vacuum volume (NL/min)		130	80	50	30		
brake			Brake specifications		Non-excitation electromagnetic brake					
			Brake holding force (kgf)		3	8	16	25		
stroke			Minimum stroke (mm)		50	50	50	50		
			Maximum stroke (mm)		800	800	800	800		
			Stroke pitch (mm)		50	50	50	50		

Specification 2

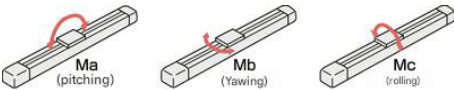
item	Content
Drive system	Ball screw φ12mm Rolled C10

Repeated positioning accuracy (Note 3)	±0.01mm 【±0.005mm】
Lost Motion	0.1mm or less
base	Material: Aluminum with white anodized finish
Linear guide	Direct acting infinite circulation type
Static allowable moment	Ma: 145 N ·m
	Mb: 145 N ·m
	Mc: 300 N ·m
Dynamic allowable moment (Note 4)	Ma: 75.5 N ·m
	Mb: 90 N ·m
	Mc: 134 N ·m
Cleanliness	Class 2.5 equivalent (ISO 14644-1 standard)
Ambient temperature and humidity	0 to 40°C, 85% RH or less (no condensation)
Protection class	IP20
Vibration and shock resistance	4.9 m/s ²
Overseas compatible standards	CE mark, RoHS directive
Motor Type	Pulse motor
Encoder Type	Battery-less absolute
Encoder pulse count	8192 pulses/rev
deadline	Listed on the homepage [Delivery date inquiry]

(Note 3) The values in brackets [] are for high precision specifications (leads 4, 8).

(Note 4) Based on a standard rated life of 5,000 km. Running life will vary depending on operating conditions and installation.Please refer to page 1-280 for details on running life.

Slider type moment direction



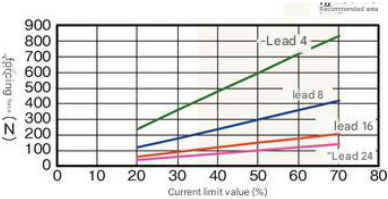
Stroke and maximum speed

(unit: mm/s)

Lead (mm)	Connection Controller	50 to 500 (every 50 mm)	550 (mm)	600 (mm)	650 (mm)	700 (mm)	750 (mm)	800 (mm)
twenty four	High output enabled	1230 1080			1080	950	840	750
	High Output Disabled	800						750
16	High output enabled	840		820	715	625	555	495
	High Output Disabled	560					555	495
8	High output enabled	420		405	350	310	275	245
	High Output Disabled	280					275	245
4	High output enabled	210		195	175	150	135	120
	High Output Disabled	140 105					135 105	120 105

(Note) The values in < > are for vertical use.

Correlation diagram between pressing force and current limit value



Payload capacity by speed and acceleration *High output setting is enabled at the time of shipment. For details, see page 1-23 .

High output setting enabled (power mode). Maximum speed varies depending on payload. Payload is in kg. Blank fields indicate non-operational.

Lead 24

posture	horizontal					vertical		
speed	Acceleration (G)							
	(mm/s)	0.1	0.3	0.5	0.7	1	0.1	0.3
0	37	37	22	16	14	3	3	3

200	37	37	22	16	14	3	3	3
420	37	34	20	16	14	3	3	3
640	37	20	15	10	9	3	3	3
860		12	9	6	4		2	2
1080		6	3	1.5	0.5		0.5	0.5
1230		3	1					

Lead 16

posture	horizontal					vertical		
speed	Acceleration (G)							
	0.1	0.3	0.5	0.7	1	0.1	0.3	0.5
(mm/s)								
0	48	46	35	28	27	8	8	8
140	48	46	35	28	27	8	8	8
280	48	46	35	25	24	8	8	8
420	46	34	25	15	10	6	5	4.5
560	35	20	15	10	6	5	4	3
700	20	14	8	5	2.5	3	1	1
840		6	2				0.5	

Lead 8

posture	horizontal					vertical		
speed (mm/s)	Acceleration (G)							
	0.1	0.3	0.5	0.7	1	0.1	0.3	0.5
0	61	55	50	45	40	16	16	16
70	61	55	50	45	40	16	16	16
140	61	55	50	45	37	16	16	16
210	61	55	40	33	24	11	10	9.5
280	55	40	28	20	13	9	8	7
350	51	21	9	4		7	4	3
420	40	7				4	1	

Lead 4

posture	horizontal					vertical		
speed	Acceleration (G)							
	(mm/s)	0.1	0.3	0.5	0.7	1	0.1	0.3
0	55	51	45	40	40	25	25	25
35	55	51	45	40	40	25	25	25
70	55	51	45	40	40	25	25	25
105	55	51	45	40	35	25	20	19
140	55	45	35	30	25	16	14	12
175	55	30	14			11	7	3
210	45					5		

High output setting disabled (energy saving mode). Maximum speed varies depending on the payload. Payload is in kg. Blank fields indicate that the operation is not possible.

Lead 24

posture	horizontal		vertical
speed (mm/s)	Acceleration (G)		
	0.3	0.7	0.3

posture	horizontal		vertical
speed (mm/s)	Acceleration (G)		
	0.3	0.7	0.3
0	35	20	5
140	35	20	5
280	25	12	3
420	15	6	1.5
560	7	0.5	0.5

posture	horizontal		vertical
speed (mm/s)	Acceleration (G)		
	0.3	0.7	0.3
0	40	25	10
70	40	25	10
140	40	25	7
210	25	14	4
280	10		1.5

posture	horizontal		vertical
speed (mm/s)	Acceleration (G)		
	0.3	0.7	0.3
0	40	30	15
35	40	30	15
70	40	30	15
105	40	30	8
140	3		

The actuators on this page can be operated with the following controllers. Please select the type that best suits your application.

[illegible]

4

Single-phase AC
100-230V

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PCON-CB/CGB



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413

(network specification is 768)

PCON-CYB/PLB/POB		1	DC24V	• ※Select	• ※Select	-	-	-	-	-	-	-	-	-	-	-	-	-	64
RCON		16 (ML3, SSN, ECM are 8)		-	-	-	•	•	•	•	•	-	-	•	•	•	•	•	128 (ML3, SSN, ECM have no position data)
RSEL	□	8		-	-	•	•	•	•	-	•	-	-	-	•	•	•	-	36000

(Note) For network abbreviations such as DV and CC, please refer to page 8-15 .

Overseas Standards



Selection precautions

Selection Notes 	(1) As the stroke length increases, the maximum speed decreases due to the critical rotation speed of the ball screw. Check the maximum speed for your desired stroke in "Stroke and Maximum Speed." (2) The maximum load capacity is listed in "Main Specifications." For details, refer to the "Load Capacity by Speed and Acceleration Table." (3) For push-motion operations, refer to the "Correlation Diagram of Push Force and Current Limit Value." The push force is a guideline value. For important points, see page 1-321. (4) The duty ratio must be limited depending on the ambient temperature. For details, see page 1-334. (5) Caution is required depending on the mounting orientation. For details, see page 1-313. (6) The recommended overhang load length is 300 mm or less in the Ma, Mb, and Mc directions (600 mm or less for double slider specifications). For details on overhang load length, see page 7-78. (7) For double slider specifications, see page 1-299 for ordering model numbers and precautions .
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[Back to top of page](#)

Dimensions

ST: Stroke

ME: Mechanical end

SE: Stroke end

(Note) When performing a return to origin, the slider will move to the ME, so be careful not to interfere with the surrounding area.

(Note) For details on precautions for changing the cable exit direction, refer to page 7-748 .

vertical	Speed/acceleration/deceleration	Maximum payload (kg) (high output disabled)	-	8	13
		Maximum speed (mm/s)	-	350	175
		Minimum speed (mm/s)	-	10	5
		Rated acceleration/deceleration (G)	-	0.3	0.3
		Maximum acceleration/deceleration (G)	-	0.5	0.5
Pressing		Maximum thrust when pressing (N)	112	224	449
		Maximum pressing speed (mm/s)	20	20	20
Clean room specifications		Vacuum volume (NL/min)	100	60	40
brake		Brake specifications	Non-excitation electromagnetic brake		
		Brake holding force (kgf)	2.5	6	16
stroke		Minimum nominal stroke (mm)	200	200	200
		Minimum effective stroke (mm)	50	50	50
		Maximum nominal stroke (mm)	800	800	800
		Maximum effective stroke (mm)	650	650	650
		Stroke pitch (mm)	50	50	50

(Note) Nominal stroke: The stroke listed in the model number

Effective stroke: The stroke that can actually be operated

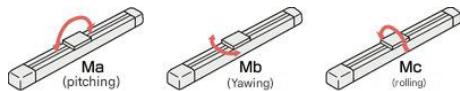
(Note) Lead 16 cannot be installed vertically.

Specification 2

item	Content
Drive system	Ball screw $\phi 12\text{mm}$ Rolled C10
Repeated positioning accuracy	$\pm 0.01\text{mm}$
Lost Motion	0.1mm or less
base	Material: Aluminum with white anodized finish
Linear guide	Direct acting infinite circulation type
Static allowable moment	Ma: 900 N · m
	Mb: 900 N · m
	Mc: 458 N · m
Dynamic allowable moment (Note 5)	Ma: 316 N · m
	Mb: 376 N · m
	Mc: 218 N · m
Cleanliness	Class 2.5 equivalent (ISO 14644-1 standard)
Ambient temperature and humidity	0 to 40°C, 85% RH or less (no condensation)
Protection class	IP20
Vibration and shock resistance	4.9 m/s ²
Overseas compatible standards	CE mark, RoHS directive
Motor Type	Pulse motor
Encoder Type	Battery-less absolute
Encoder pulse count	8192 pulses/rev
deadline	Listed on the homepage [Delivery date inquiry]

(Note 5) Based on a standard rated life of 5,000 km. Running life will vary depending on operating conditions and installation. 1-280 for details on running life.

Slider type moment direction



Payload capacity by speed and acceleration (double slider specification) *High output setting is enabled at the time of shipment. For details, see page 1-23 .

High output setting enabled (power mode). Maximum speed varies depending on payload. Payload is in kg. Blank fields indicate non-operational.

Lead 16

posture	horizontal				vertical	
speed	Acceleration (G)					
(mm/s)	0.3	0.5	0.7	1	0.3	0.5
0	44	33	26	25		
140	44	33	26	25		
280	44	32	22	20		
420	30	20	10	6		

560	10	6	4	2		
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Lead 8

posture	horizontal				vertical	
speed (mm/s)	Acceleration (G)					
	0.3	0.5	0.7	1	0.3	0.5
0	49	43	38	38	14	14
70	49	43	38	38	14	14
140	49	38	36	33	14	14
210	49	33	28	20	8	7
280	36	24	16	10	5	4
350	14	4	1		1	
420	3					

Lead 4

posture	horizontal				vertical	
speed (mm/s)	Acceleration (G)					
	0.3	0.5	0.7	1	0.3	0.5
0	49	43	38	38	23	23
35	49	43	38	38	23	23
70	49	43	38	38	23	23
105	49	43	38	33	18	17
140	40	30	25	20	9	7
175	25	7			4	1

High output setting disabled (energy saving mode). Maximum speed varies depending on the payload. Payload is in kg. Blank fields indicate that the operation is not possible.

Lead 16

posture	horizontal		vertical
speed (mm/s)	Acceleration (G)		
	0.3	0.7	0.3
0	33	18	
140	33	18	
280	23	10	
420	10	3	

Lead 8

posture	horizontal		vertical
speed (mm/s)	Acceleration (G)		
	0.3	0.7	0.3
0	38	23	8
70	38	23	8
140	38	23	5
210	20	10	2
280	5		

Lead 4

posture	horizontal	vertical
speed	Acceleration (G)	

(mm/s)	0.3	0.7	0.3
0	38	28	13
35	38	28	13
70	38	28	13
105	36	26	4
140	6		

Stroke and maximum speed (double slider specification)

(unit: mm/s)

Lead (mm)	Nominal stroke	200 to 550	600	650	700	750	800
	Effective stroke	50 to 400	450	500	550	600	650
	Connection Controller	(every 50mm)	(mm)	(mm)	(mm)	(mm)	(mm)
16	High output enabled	560				555	495
	High Output Disabled	420					
8	High output enabled	420 350	405 350	350	310	275	245
	High Output Disabled	280 210				275 210	245 210
4	High output enabled	175			150	135	120
	High Output Disabled	140 105				135 105	120 105

(Note) The values in < > are for vertical use.

(Note) Nominal stroke: The stroke listed in the model number

Effective stroke: The stroke that can actually be operated

Dimensions (double slider specification)

ST: Stroke

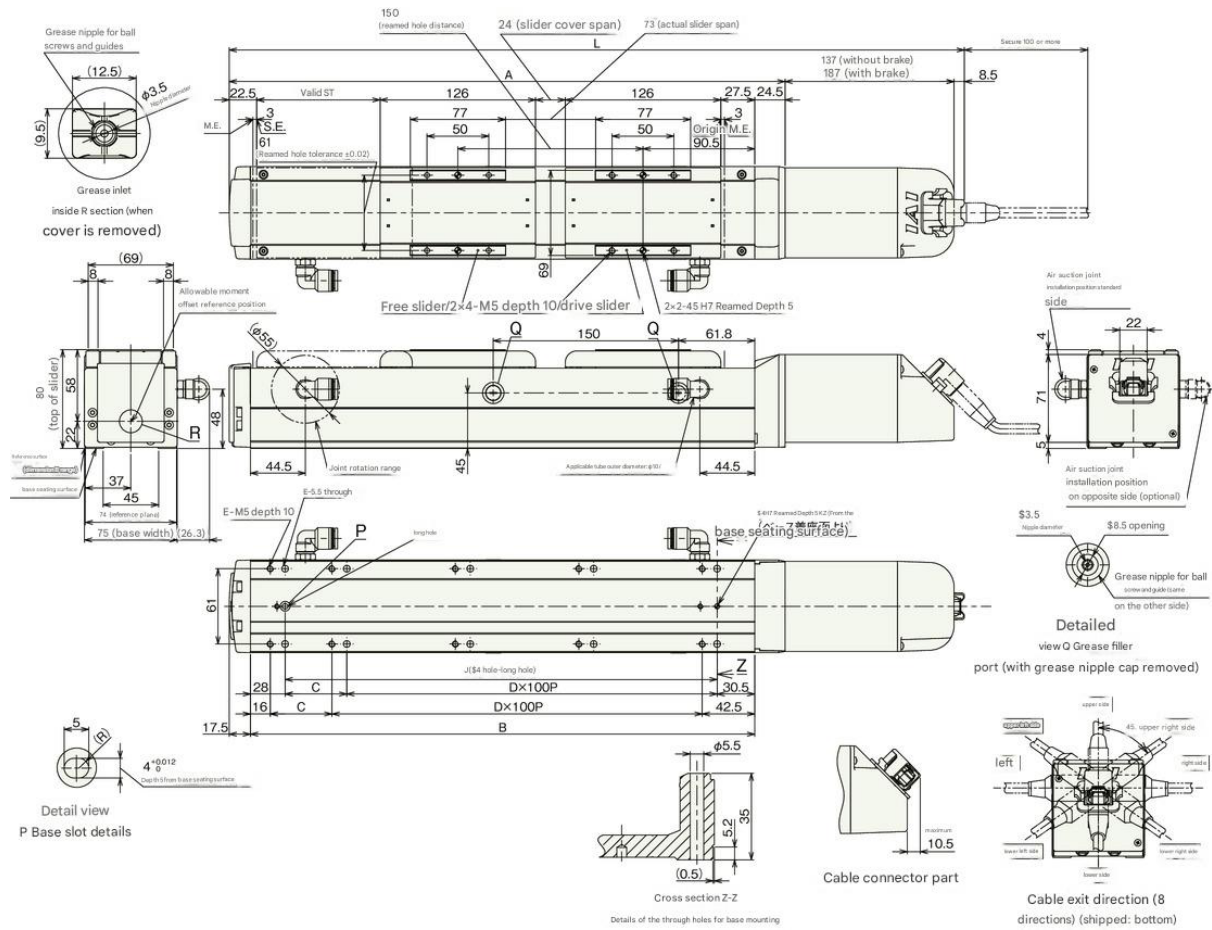
ME: Mechanical end

SE: Stroke end

Drawing (double slider specification)

(Note) When returning to the origin, the slider will move to the ME, so be careful not to let it interfere with surrounding objects.

(Note) For details on precautions for changing the cable exit direction, refer to page 7-748 .



Stroke dimensions

Nominal stroke	200	250	300	350	400	450	500	550	600	650	700	750	800
Effective stroke	50	100	150	200	250	300	350	400	450	500	550	600	650
L	No brakes	546	596	646	696	746	796	846	896	946	996	1046	1146
	With brake	596	646	696	746	796	846	896	946	996	1046	1096	1196
A	400.5	450.5	500.5	550.5	600.5	650.5	700.5	750.5	800.5	850.5	900.5	950.5	1000.5
B	358.5	408.5	458.5	508.5	558.5	608.5	658.5	708.5	758.5	808.5	858.5	908.5	958.5
C	0	50	0	50	0	50	0	50	0	50	0	50	0
D	3	3	4	4	5	5	6	6	7	7	8	8	9
E	8	10	10	12	12	14	14	16	16	18	18	20	20
J	300	350	400	450	500	550	600	650	700	750	800	850	900

(Note) Nominal stroke: The stroke listed in the model number

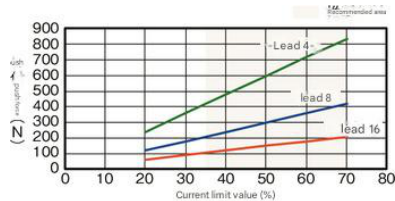
Effective stroke: The stroke that can actually be operated

Mass by stroke

Nominal stroke	200	250	300	350	400	450	500	550	600	650	700	750	800
Effective stroke	50	100	150	200	250	300	350	400	450	500	550	600	650
Mass (kg)	No brakes	5.33	5.53	5.83	6.13	6.33	6.63	6.93	7.13	7.43	7.73	7.93	8.53
	With brake	5.83	6.03	6.33	6.63	6.83	7.13	7.43	7.63	7.93	8.23	8.43	9.03

(Note) This is the mass of the single slider model plus a 0.73 kg free slider.

Correlation diagram between pressing force and current limit value (double slider specification)



(Note) This is the same value as the single slider specification.

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