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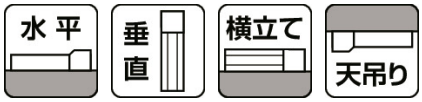
Delivery time inquiry here

RCP6-HSA7XC

Product Features

Installation position



Catalog PDF | Instruction manual PDF
2D CAD drawings | Parametric CAD Drawings
Request information

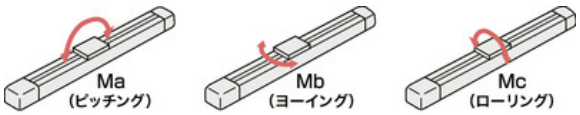
Dimensions | Selection considerations | Adaptive Controller

Main Specifications

Specification 1 | Specification 2

item			Contents			
Lead		Ball screw lead (mm)	twenty four	16	8	4
Horizontal	Payload capacity	Maximum payload (kg) (high output effective)	37	48	53	53
		Maximum payload (kg) (high output disabled)	18	35	40	40
	Speed/Acceleration	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 capacity	Maximum payload (kg) (high output effective)	3	8	16	twenty five
		Maximum payload (kg) (high output disabled)	2	5	10	15
	Speed/Acceleration	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)	30	30	20	20
brake		Brake specifications	Non-excitation electromagnetic brake			
		Brake holding force (kgf)	3	8	16	twenty five
stroke		Minimum stroke (mm)	700	700	700	700
		Maximum stroke (mm)	1500	1500	1500	1100
		Stroke pitch (mm)	50	50	50	50

Slider type moment direction



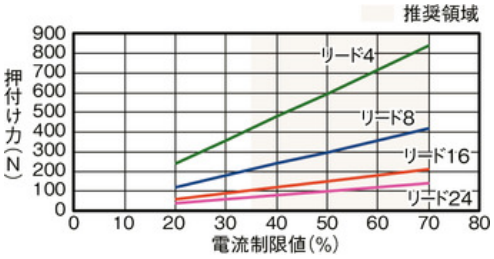
Stroke and maximum speed

(Unit: mm/s)

Lead (mm)	Connection Controller	700 to 1000 (in 50mm increments)	1050 (mm)	1100 (mm)	1150 (mm)	1200 (mm)	1250 (mm)	1300 (mm)	
twenty four	High output enabled	1080＜860＞		990＜860＞	920＜860＞	850	770	735	
	High output disabled	800＜640＞					770＜640＞	735＜640＞	6
16	High output enabled	700＜560＞		645＜560＞	590＜560＞	555	510	470	
	High output disabled	500＜420＞						470＜420＞	4
8	High output enabled	350	345	310	285	255	245	230	
	High output disabled	210							
4	High output enabled	175＜140＞	165＜140＞	150＜140＞					
	High output disabled	120＜105＞							

(Note) ＜＞ indicates vertical use. Blank indicates non-operational.

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) The maximum speed varies depending on the payload. The payload is in kg. Blank spaces indicate that the operation is not possible.

Lead 24 | Lead 16 | Lead 8 | Lead 4

posture	Horizontal					vertical		
speed	Acceleration (G)							
(mm/s)	0.1	0.3	0.5	0.7	1	0.1	0.3	0.5
0	37	37	twenty two	16	14	3	3	3
200	37	37	twenty two	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						

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

Lead 24 | Lead 16 | Lead 8 | Lead 4

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

Adaptive Controller

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

name	exterior	Maximum number of connectable axes	Power supply voltage	Positioner	Pulse train	program
MSEL-PC/PG		4	Single phase AC 100-230V	-	-	●
PCON-CB/CGB		1	DC24V	●※Select	●※Select	-
PCON-CYB/PLB/POB		1		●※Select	●※Select	-
RCON		16 (ML3, SSN, ECM are 8)		-	-	-
RSEL		8		-	-	●

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

International Standards

Selection considerations

選定上の注意	(1) As the stroke becomes longer, the maximum speed decreases due to the critical speed of the ball screw. Check the maximum speed for the desire (2) The maximum load capacity is shown in "Main specifications". For details, refer to "Load capacity by speed and acceleration table". (3) When performing a pressing operation, refer to "Correlation diagram of pressing force and current limit value". The pressing force is a guideline va . (4) Duty ratio must be limited depending on the ambient temperature. For details, refer to page 1-326 . (5) Caution is required depending on the mounting position. For details, refer to page 1-307 . (6) The guideline for the overhang load length is 400 mm or less in the Ma, Mb, and Mc directions. For the overhang load length, refer to the explanat

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Dimensions

CAD図面がホームページよりダウンロード出来ます。
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2次元 CAD 3次元 CAD

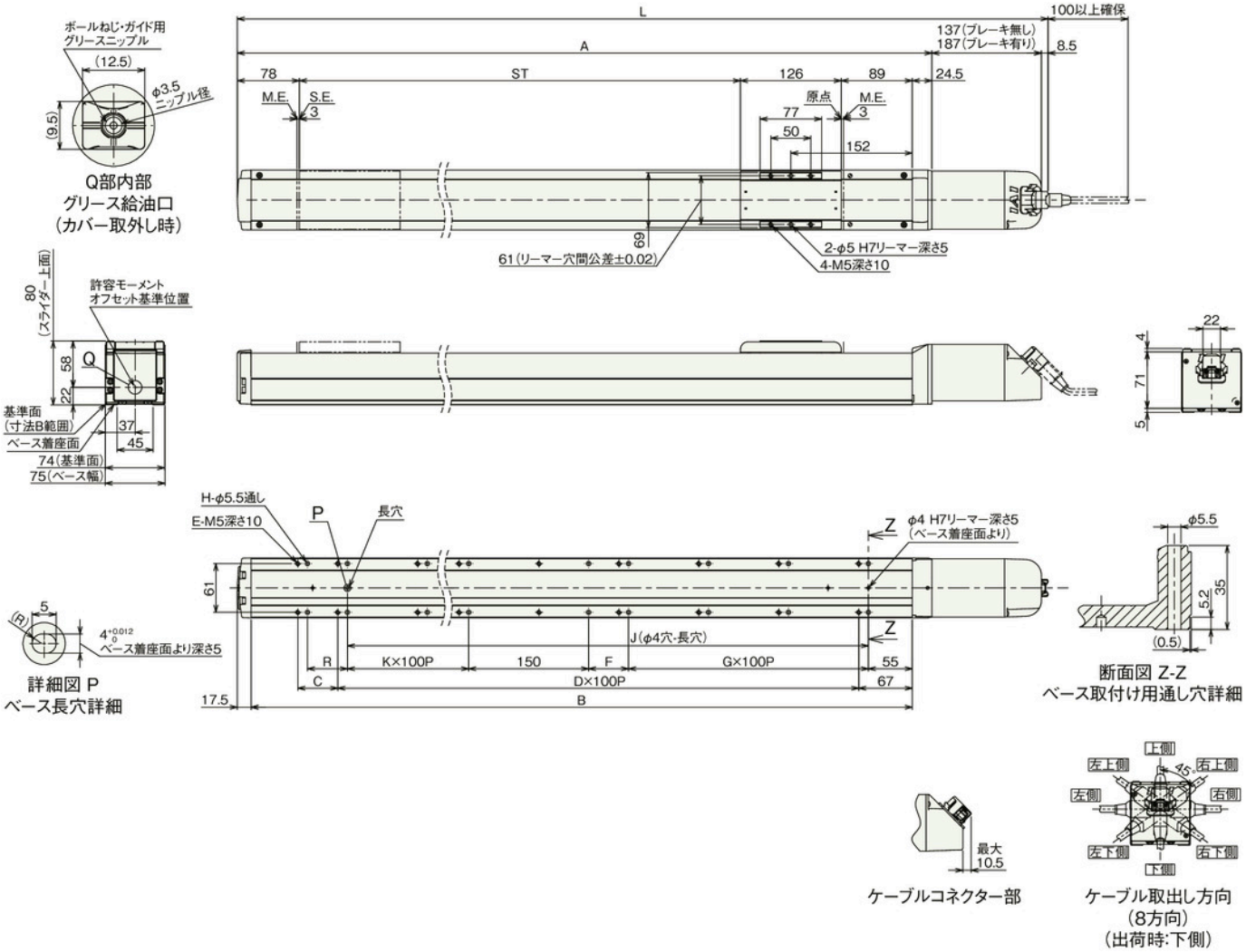
ST: Stroke

ME: Mechanical end

SE: Stroke end

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

(Note) For details on precautions for changing the cable exit direction, refer to page 3-716 .



Stroke dimensions

	stroke	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300	1350	140
L	No brakes	1163	1213	1263	1313	1363	1413	1463	1513	1563	1613	1663	1713	1763	1813	186
	With brake	1213	1263	1313	1363	1413	1463	1513	1563	1613	1663	1713	1763	1813	1863	191
A		1017.5	1067.5	1117.5	1167.5	1217.5	1267.5	1317.5	1367.5	1417.5	1467.5	1517.5	1567.5	1617.5	1667.5	171
B		975.5	1025.5	1075.5	1125.5	1175.5	1225.5	1275.5	1325.5	1375.5	1425.5	1475.5	1525.5	1575.5	1625.5	167
C		50	0	50	0	50	0	50	0	50	0	50	0	50	0	50
D		8	9	9	10	10	11	11	12	12	13	13	14	14	15	15
E		20	20	twenty two	twenty two	twenty four	twenty four	26	26	28	28	30	30	32	32	34
F		50	0	0	50	50	0	0	50	50	0	0	50	50	0	0
G		3	4	4	4	4	5	5	5	5	6	6	6	6	7	7
H		20	20	20	twenty two	twenty four	twenty four	twenty four	26	28	28	28	30	32	32	32
J		800	850	900	950	1000	1050	1100	1150	1200	1250	1300	1350	1400	1450	150
K		3	3	4	4	4	4	5	5	5	5	6	6	6	6	7
R		50	50	0	0	50	50	0	0	50	50	0	0	50	50	0

Mass by stroke

	stroke	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300	1350	1400	1450	1500
Mass (kg)	No brakes	8.4	8.6	8.9	9.2	9.4	9.7	10.0	10.2	10.5	10.8	11.0	11.3	11.6	11.8	12.1	12.4	12.6
	With brake	8.9	9.1	9.4	9.7	9.9	10.2	10.5	10.7	11.0	11.3	11.5	11.8	12.1	12.3	12.6	12.9	13.1

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