

A new specification has been added to **RCP6 high-rigidity slider**

Long stroke specification

Equipped with an intermediate support, enabling long strokes and high-speed operation.

Max horizontal payload **53 kg**

Maximum length **1,500 mm**

Cross-section view

Equipped with
a 4-row **ball circulation**
linear guide.

Mixed box packing line for small packages

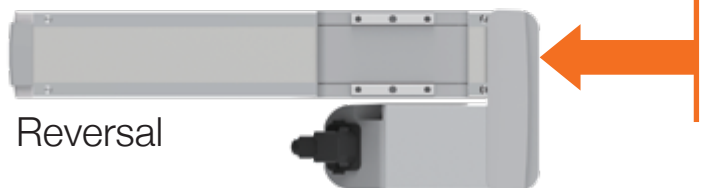
Dynamic allowable moment
 $Mc134N \cdot m$

Supports motor reversal

Reduces installation space in the longitudinal direction.



Standard



Reversal

Overall length is shortened.

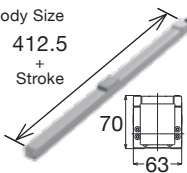
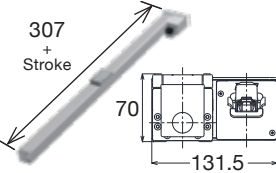
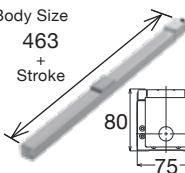
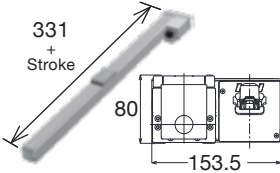
App video
available here ▼



Product specifications

Model specification items ① — ② — **WA** — ③ — ④ — ⑤ — ⑥ — ⑦ — (⑧)

Series Type Encoder Motor specification Lead Stroke Controller Cable length Option

Long Stroke Specification																			
①Series		RCP6																	
② Type		(Motor Straight) HSA6XC (Motor Reversal) HSA6XR						(Motor Straight) HSA7XC (Motor Reversal) HSA7XR											
Encoder		Battery-less Absolute Encoder																	
③ Motor Type		42P						56P											
④ Lead (mm)		20	12	6	3		24	16	8	4									
⑤ Stroke (mm)		500~1,500 (in 50mm increments)						700~1,500 (in 50mm increments)											
⑥ Compatible Controllers		P3(PCON、MSEL) / P5(RCON、RSEL)																	
⑦ Cable Length (m)		N(None)/P(1m)/S(3m)/M(5m)/X□□(Custom Length)/R□□(Custom Robot Cable Length)																	
⑧ Options		Please check the product specifications on the website.																	
Horizontal*	Maximum Payload (kg)	15	28	42	42		37	48	53	53									
	Maximum Speed (mm/s)	1,120	800	450 【400】	225 【200】		1,080	700	420 【530】	175									
Vertical*	Maximum Payload (kg)	1	2.5	6	16		3	8	16	25									
	Maximum Speed (mm/s)	960	700	450 【400】	225 【200】		860	560	350	140									
Dynamic Allowable Moment (N・m)		Ma:33.7 / Mb:40.2 / Mc:55.3						Ma:75.5 / Mb:90 / Mc:134											
Product Specifications		 HSA6XC						 HSA6XR						 HSA7XC				 HSA7XR	

* 【 】 Indicates Motor Reversal

Standard Specification 〔 Motor Reversal 〕		Body Size 183.5 + Stroke 70 131.5				Body Size 214 + Stroke 80 153.5			
① Series		RCP6							
② Type		HSA6R				HSA7R			
Encoder		Battery-less Absolute Encoder							
③ Motor Type		42P				56P			
④ Lead (mm)		20	12	6	3	24	16	8	4
⑤ Stroke (mm)		50~800 (in 50mm increments)				50~800 (in 50mm increments)			
⑥ Compatible Controllers		P3(PCON、MSEL) / P5(RCON、RSEL)							
⑦ Cable Length (m)		N(None)/P(1m)/S(3m)/M(5m)/X□□(Custom Length)/R□□(Custom Robot Cable Length)							
⑧ Options		Please check the product specifications on the website.							
Horizontal	Maximum Payload (kg)	15	28	42	42	37	48	53	53
	Maximum Speed (mm/s)	1,120	800	400	200	1,080	700	350	175
Vertical	Maximum Payload (kg)	1	2.5	6	16	3	8	16	25
	Maximum Speed (mm/s)	960	700	400	200	860	560	350	140
Dynamic Allowable Moment (N・m)		Ma:33.7 / Mb:40.2 / Mc:55.3				Ma:75.5 / Mb:90 / Mc:134			
Product Specifications		 HSA6R				 HSA7R			

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

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