

## X axis crossed roller guide : KXC04015/KXC06020

RoHS

New products

Motorized linear stage

Motorized rotary stage

Motorized stages unit

Controllers and Cables

Manual stage

Reference



**Spec changed**  
Sensor  
**DC5V ~ 24V**  
See our WEB site

**Cable accessories**  
**Not included**  
Cable is not included. Select from the cable option.  
▶ cable 089 ~

**Electrical specs**  
Check the electrical specs on the webpages.

Model number      Option code  
**KXC04015-**

● **Crossed roller guide**  
C Crossed roller guide

● **Size of stage face**  
04  40mm  
06  60mm

● **Stroke**  
015  15mm  
020  20mm

※ Can not select 04020, 06015

※ KXC04 can select the motor code C and P.

● **Motor option**

Code	Spec
C	Standard
F	High Torque
G	High Resolution
P	astep motor (driver set)

※ P can select only "P" in the cable code. None cannot be selected.

● **Cable option**

Code	Spec
A	2m
B	One end loose 2m
C	4m
D	One end loose 4m
E	Only connector (no cable)
F	Robot cable 2m
G	Robot cable at one end loose 2m
H	Robot cable 4m
J	Robot cable at one end loose 4m
None	None
P	for astep motor 3m

※ Loose end is on controller side.

The stage can be set X and Y in case of the same series. \*Except for some models. For more information, please contact us.

SPEC		KXC04015-C	KXC04015-P	KXC06020-C	KXC06020-F	KXC06020-G	KXC06020-P
Mechanical spec.	Stroke	15mm		20mm			
	Size of stage face	40×40mm		60×60mm			
	Feed screw (Ball screw)	φ6 lead 1		φ8 lead 1			
	Guide	Crossed roller guide					
Material (finishing)	Aluminum-black alumite processing						
	Weight	0.31kg	0.36kg	0.44kg	0.54kg	0.44kg	0.49kg
Resolution	Full/Half	2μm/1μm	1μm (1000P/R)	2μm/1μm		1μm/0.5μm	1μm (1000 P/R)
	(Pulse) Microstep	0.1μm (MS 1/20)	—	0.1μm (MS 1/20)		0.05μm (MS 1/20)	—
Accuracy spec.	MAX speed	10mm/sec		20mm/sec			
	Positioning for one direction	10μm or less		5μm or less			
	Repeated positioning	±0.5μm or less		±0.3μm or less			
	Tolerant moment load	—		5.0kgf [49N]			
Moment rigidity	Pitching 0.33/Yawing 0.44/Rolling 0.37 ["/N·cm]		Pitching 0.15/Yawing 0.12/Rolling 0.07 ["/N·cm]				
Lost motion	—		1μm or less				
Backlash	—		0.5μm or less				
Degree of orthogonality	—		3μm or less				
Parallelism	—		30μm or less				
Degree of parallelization	—		10μm or less				
Pitching/Yawing	25" or less/20" or less		20" or less/15" or less				
Sensor	Limit sensor	Installed					
	Origin sensor	Installed					
	Proximity origin sensor	—					

※ Cables are not included in the models with motor code [C, F, G]. Select the cables from the cable code list.

※ The driver, the motor cable and the sensor cable are included in the model with motor code [P]. For more information, please contact us.