

X-axis Cross Roller Guide: KXC04015/KXC06020

Motorized Stage

KXC04015-C



KXC04015-PA



KXC06020-C



KXC06020-F



KXC06020-G



KXC06020-PA



See page P.009

X

XY

Z

Horizontal Z

XYZ

Goniometer

Rotary

Unit

Controller



Cable P.1-207~
Electrical specification P.1-091~

1 Table size

04	<input type="checkbox"/> 40mm
06	<input type="checkbox"/> 60mm

* Not available 04020 and 06015

2 Travel length

015	15mm
020	20mm

3 Motor option

Code	Specification
C	Standard
F	High-torque
G	High resolution
PA	<input type="checkbox"/> 28 α Step (Driver set)

* PA can choose only cable code P. Cannot choose the blank.
* In case of KXC04, can be chosen only C and PA.

4 Cable option

Code	Specification	Cable type
A	2m	D214-2-2E
B	2m One end loose	D214-2-2EK
C	4m	D214-2-4E
D	4m One end loose	D214-2-4EK
E	Only connector (Cable is not included)	—
F	Robot cable 2m	D214-2-2R
G	Robot cable 2m one end loose	D214-2-2RK
H	Robot cable 4m	D214-2-4R
J	Robot cable 4m one end loose	D214-2-4RK
Blank	Cable is not included (Standard)	—
P	Cable for α step 3m	—

* One end loose position to only stage opposite side.
* If you choose the option specification, please add the difference to standard price.
* See page P.1-207,209~ for cable details.
* Please select "Code A, C, F or H" when connect with stepping motor controller(DS102/112).

Linear Ball

CAVE-X Linear ball

Cross Roller

Slide Guide

ϕ 40

ϕ 50

ϕ 60

ϕ 70

ϕ 80

ϕ 100

ϕ 120

Other

SPEC

Model	KXC04015-C	KXC04015-PA	KXC06020-C	KXC06020-F	KXC06020-G	KXC06020-PA	
Travel length	15mm		20mm				
Table size	40×40mm		60×60mm				
Feed screw (Ball screw)	ϕ 6 lead 1		ϕ 8 lead 1				
Guide	Crossed roller guide						
Main materials-Finishing	Aluminum—Black almite finishing						
Weight	0.31kg	0.36kg	0.44kg	0.54kg	0.44kg	0.49kg	
Resolution (Pulse)	Full/Half	2 μ m/1 μ m	1 μ m (Set to 1000P/R)	2 μ m/1 μ m		1 μ m/0.5 μ m	1 μ m (Set to 1000P/R)
	Microstep	0.1 μ m (1/20 on resolution)	—	0.1 μ m (1/20 on resolution)		0.05 μ m (1/20 on resolution)	—
MAX speed	10mm/sec		20mm/sec				
Uni-directional positioning accuracy	Within 10 μ m		Within 5 μ m				
Repeatability positioning accuracy	Within \pm 0.5 μ m		Within \pm 0.3 μ m				
Load capacity	5.0kgf [49N]						
Moment stiffness	Pitch 0.33/yaw 0.44/roll 0.37 ["/N · cm]		Pitch 0.15/yaw 0.12/roll 0.07 ["/N · cm]				
Lost motion	Within 1 μ m						
Backlash	Within 0.5 μ m						
Straightness	Within 3 μ m						
Parallelism	Within 30 μ m						
Motion parallelism	Within 10 μ m						
Pitching/Yawing	Within 25"/Within 20"		Within 20"/Within 15"				
Limit sensor	Installed						
Origin sensor	Installed						
Slit origin sensor	—						
Provided screw (Hexagon-headed bolt)	4 of M3—16		4 of M4—16				

※ Motor code [C·F·G] not include the cable. Choose the cable from cable code table.

※ Motor code [PA] includes the driver, motor and sensor cable.