

XYZ-axis Cross Roller Guide: KWC04015/KWC06020

KWC04015-C



KWC04015-PA



KWC06020-LC



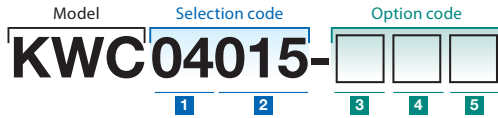
KWC06020-LF



KWC06020-LG



KWC06020-LPA



▶ 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 Sensor cover location specification

L	L Specification
R	R Opposite hand

*04015 for only L position

4 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 KWC04, can be chosen only C and PA.

6 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).

SPEC

Model	KWC04015-C	KWC04015-PA	KWC06020-LC	KWC06020-LF	KWC06020-LG	KWC06020-LPA
(Opposite hand)	-		KWC06020-RC	KWC06020-RF	KWC06020-RG	KWC06020-RPA
Travel length	15mm		20mm			
Table size	40×40mm		60×60mm			
Feed screw (Ball screw)	φ6 lead 1		φ8 lead 1			
Guide	Crossed roller guide					
Main materials-Finishing	Aluminum—Black almite finishing					
Weight	1.03kg	1.45kg	1.98kg	2.00g	1.70kg	1.85kg
Resolution (Pulse)	Full/Half	2 μm/1 μm	1 μm (Set to 1000P/R)	2 μm/1 μm		1 μm/0.5 μm
	Microstep	0.1 μm (1/20 on resolution)	—	0.1 μm (1/20 on resolution)		0.05 μm (1/20 on resolution)
MAX speed	10mm/sec		20mm/sec			
Load capacity (Excitation)	3.0kgf [29.4N]					
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		
Uni-directional positioning accuracy	Within 10 μm		Within 5 μm			
Repeatability positioning accuracy	Within ±0.5 μm		Within ±0.3 μm			
Lost motion	Within 1 μm					
Backlash	Within 0.5 μm					
Straightness	Within 3 μm					

※ 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.