

Motorized Stage

CAVE-X POSITIONER

Z-axis Linear Ball Guide: KZG06020/KZG06030

Motorized Stage

KZG06020



KZG06030



RoHS



▶ Cable P.1-207~
▶ Electrical specification P.1-051~

1 Travel length

020	20mm
030	30mm

2 Motor option

Code	Specification
C	Standard
F	High-torque
G	High resolution
MA	With brake (Driver set)
PA	α Step (Driver set)

* See page P.1-051~ for details of motor option.

3 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
M	Cable for brake	—
P	Cable for α step	—
Blank	Cable is not included (Standard)	—

* The price includes M, P and U.
Not available non-cable.

* See page P.1-207,209~ for details of cable.

* Please select "Code A, C, F or H" when connect with stepping motor controller(DS102/112).

[Note]
Please check available cable from compatibility list.
Not included cable for a main body. Please choose the code as below.

Motor/cable products list	Motor code	Cable code
	C,F,G	Blank, A~H,J
MA	M	
PA	P	

SPEC

Model	KZG06020-C	KZG06020-F	KZG06020-G	KZG06030-C	KZG06030-F	KZG06030-G
Mechanical specification	Travel length		20mm		30mm	
	Table size		60×60mm		60×70mm	
	Feed screw (Ball screw) $\phi 8$ lead 1					
	Guide Linear ball guide					
	Main materials-Finishing Stainless—Opposite side of the end face finishing					
	Weight	1.14kg	1.23kg	1.14kg	1.26kg	1.35kg
Accuracy specification	Resolution (Pulse)	Full/Half	2 μ m/1 μ m		1 μ m/0.5 μ m	
		Microstep	0.1 μ m (1/20 on resolution)		0.05 μ m (1/20 on resolution)	
	MAX speed	20mm/sec	30mm/sec	20mm/sec	30mm/sec	20mm/sec
	Load capacity (Excitation)	3kgf [29.4N]				
$\phi 40$	Vertical degree	Within 10 μ m/Full stroke			Within 15 μ m/Full stroke	
	Pitching/Yawing	Within 20"/15"				
$\phi 50$	Limit sensor	Installed				
	Origin sensor	Installed				
	Slit origin sensor	—				
$\phi 60$	Provided screw (Hexagon-headed bolt)	4 of M4—10				
	Stage accuracy specification	Uni-directional positioning accuracy	Within 5 μ m			
Repeatability positioning accuracy		$\pm 0.5\mu$ m				
Lost motion		Within 1 μ m				
Backlash		Within 1 μ m				
Straightness		Within 3 μ m				

※ Might be changed specification due to motors. See page P.1-213~ for details.

X

XY

Z

Horizontal Z

XYZ

Goniometer

Rotary

Unit

Controller

Linear Ball

CAVE-X Linear ball

Cross Roller

Slide Guide

$\phi 40$

$\phi 50$

$\phi 60$

$\phi 70$

$\phi 80$

$\phi 100$

$\phi 120$

Other