Horizontal Z

XYZ

Rotary

Unit

Controller

CAVE-X Linear ball

Cross Roller

Slide Guide

φ50 φ60

CAVE-X POSITIONER

XYZ-axis Linear Ball Guide: KWL06030/KWL06050

KWL06030-N





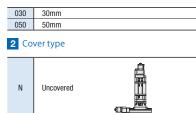


RoHS

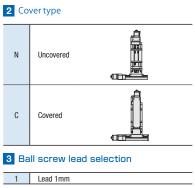
Selection code Option code KWL06 030 2 3 5

Cable P.1-207~

Electrical specification P.1-077~



1 Travel length



Code	Specification			
С	Standard			
F	High-torque			
G	High resolution			
MA	With electromagnetic brake (Driver set			
PA	α Step (Driver set)			
U	Servo motor (Amplifier set)			

* Code MA · PA · U is the set of driver and cable.

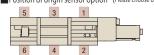
5 Origin sensor option

4 Motor option

Code	Specification	
Blank	None	
1	CCW right side	
2	CCW left side	
3	Center right side	
4	Center left side	
5	CW right side	
6	CW left side	

* See page P.1-079~ for details of origin sensor option.

■ Position of origin sensor option (Please choose one position)



6 Cable option

Code	Specification	Cable type
Α	2m	D214-2-2E
В	2m One end loose	D214-2-2EK
С	4m	D214-2-4E
D	4m One end loose	D214-2-4EK
Е	Only connector (Cable is not included)	-
F	Robot cable 2m	D214-2-2R
G	Robot cable 2m one end loose	D214-2-2RK
Н	Robot cable 4m	D214-2-4R
J	Robot cable 4m one end loose	D214-2-4RK
M	Cable for electromagnetic brake	
Р	Cable for α step	_
U	Cable for servo motor	
Blank	Cable is not included (Standard)	_

- * One end loose position to only stage opposite side. * 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
		M
products list	PA	Р
	U	U

	U	7 2		U	
		SPEC			
	Unco	Uncovered		Covered	
Model	KWL06030-N1-C	KWL06050-N1-C	KWL06030-C1-C	KWL06050-C1-C	
Travel length	30mm	50mm	30mm	50mm	
Table size		60×60mm			
Feed screw (Ball screw)		arphi8 lead 1			
Guide		Linear ball guide			
Main materials-Finishing		Stainless—Opposite side of the end face finishing			
Travel length Table size Feed screw (Ball screw) Guide Main materials-Finishing Weight	4.56kg	4.92kg	4.74kg	5.04kg	
Passintian (Pulsa) Full/Half		2μm/1μm			
Resolution (Pulse) Microstep		0.1μm (1/20 on resolution)			
Resolution (Pulse) Microstep MAX speed Load capacity		20mm/sec			
Load capacity		7kgf [68.6N]			
Perpendicularity	Within 15µm/Full stroke	Within 25 μ m/Full stroke	Within 15µm/Full stroke	Within 25 μ m/Full stroke	
Limit sensor		Installed			
Origin sensor	— ※Attachable in origin sensor option				
Slit origin sensor	_				
rovided screw (Hexagon-headed bolt)		8 of M4-14			
Uni-directional positioning accurac	:у	Within 5μm			
Repeatability positioning accuracy	Within $\pm 0.5 \mu \mathrm{m}$				
Lost motion		Within 1µm			

Within 1μ m

Within $3\mu\mathrm{m}$

Within 20"/Within 15'

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

φ70 φ100 φ120

Other

075

Backlash

Straightness

Pitching/Yawing