φ70

φ100 φ120

## Other

## X-axis Linear Ball Guide: PG430/PG530/PG650/PG750

PG650-L



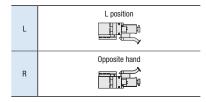
RoHS



Cable P.1-207∼ Electrical specification P.1-037~

1 Table size		2 Travel length			
	4	40×60mm		30	30mm
	5	50×70mm		50	50mm

- 40×60 50×7 5 60×100mm 70×110mm
- Cannot choose 450, 550, 630, 730 in combination with 1
- 3 Sensor cover location



4 Sensor voltage

24	24V
* 05 [5V]	for standard

Limit sensor is N.C.. ORG1 and ORG2 are N.O. \* The sensor voltage/logic is different, but the external form

В

С

5 Sensor logic

N.C. Α

N.O.

dimention is the same.

\* If you choose 24V, not available our controller DS102/112.

## 6 Motor option

Code	Specification		
С	Standard		
D	High-torque		
Е	High resolution		
MA	With electromagnetic brake (Driver set)		
PA	a Step (Driver set)		
U	Servo motor (Amplifier set)		

- \* Code MA · PA · U is the set of driver and cable.
  \* See page ▶ P.1-037~ for details of motor option.

## 7 Cable option \*See page ▶ P.1-039~ for ORG2 compatible cable.

Code	Specification	Cable type
Blank	2m	D214-2-2E
1	2m One end loose	D214-2-2EK
2	4m	D214-2-4E
3	4m One end loose	D214-2-4EK
4	Only connector (Cable is not included)	-
5	Cable is not included (Standard)	-
6	Robot cable 2m	D214-2-2R
7	Robot cable 4m	D214-2-4R
8	Robot cable 4m one end loose	D214-2-4RK
9	Robot cable 2m one end loose	D214-2-2RK
M	Cable for electromagnetic brake	
Р	Cable for $\alpha$ step	_
U	Cable for servo motor	

- $^{\star}$  One end loose position to only stage opposite side.  $^{\star}$  The price includes M, P and U.

Not available non-cable.
See page ▶ P.1-207,209~ for details of cable. Please select "blank, 2, 6 and 7" when connect with stepping motor controller(DS102/112).

[Note]
Please check available cable from compatibility list.

	Motor code	Cable code	
	C, D, E	Blank, 1∼9	
Motor/cable products list		M	
products list	PA	Р	
	U	U	

				, ,	
		SPEC			
Model	PG430-L05AG-C5	PG530-L05AG-C5	PG650-L05AG-C5	PG750-L05AG-C5	
(Opposite hand)	PG430-R05AG-C5	PG530-R05AG-C5	PG650-R05AG-C5	PG750-R05AG-C5	
	301	mm	50mm		
풀 Table size	40×60mm	50×70mm	60×100mm	70×110mm	
Feed screw (Ball screw)	arphi6 lead 1				
Tavel length Table size Feed screw (Ball screw) Guide Main materials-Finishing Weight	Linear ball guide				
ន្នី Main materials-Finishing	Stainless—Opposite side of the end face finishing				
Weight	0.6kg	0.78kg	1.08kg	1.16kg	
Resolution (Pulse)	2μm (Full)/1μm (Half)				
MAX speed	10mm/sec				
Uni-directional positioning accuracy	Within 12µm				
Repeatability positioning accuracy	Within $\pm 0.5 \mu$ m				
Load capacity		10kgf	[98N]		
Repeatability positioning accuracy Load capacity  Moment stiffness  Lost motion  Backlash  Straightness	Pitch 0.24/yaw 0.18/ roll 0.26["/N • cm]	Pitch 0.12/ yaw 0.13/ roll 0.1 ["/N•cm]	Pitch 0.05/yaw 0.05/ roll 0.05["/N • cm]	Pitch 0.03/yaw 0.03/ roll 0.03["/ N • cm]	
Lost motion	Within 1 $\mu$ m				
Backlash	Within 0.5µm				
Straightness	Within 2µm				
Parallelism	Within 15µm				
Motion parallelism	Within 10µm				
Pitching/Yawing	Within 20"/Within 15"				
Limit sensor	Installed				
Origin sensor (ORG1)	Installed				
Siit urigiii serisur (unuz)	Installed Refer page ▶ P.1-039~				
Provided screw (Hexagon-headed bolt)	4 of N	M3—8	4 of N	14-8	

Specification will be changed due to a motor. Refer page 
▶ P.1-213. The vertical load guideline 3kgf when use on Z-axis because of difference the load or speed.