

METS2-14 series

SLIDER ELECTRIC CYLINDER (WITHOUT MOTOR)



Use environment	Standard	Servo motor	200W / 400W
Actuation type	Ball screw	Guide type	Linear guide

Feature

- Modular product can save your time of designing and assembly, and greatly increase your development efficiency.
- High stiffness body made with integrated aluminum extrusion.
- It provides several position for motor installment.
- It is available for customized service.

Specification

Model	METS2-14		
Positioning repeatability (mm)	±0.01		
Lead (mm)	5	10	20
Max. speed (mm/s)	250	500	1000
Stroke (mm)	100~1000 / 50 pitch		
Ball screw O.D. (mm)	C7 ø16		
Coupling (mm)	10×14 / 10×11 (*1)		
Slot-type photomicro sensor	RLT (Please refer to page 5-16)		

AC servo motor	200W			
Max. payload	Horizontal (kg)	95	75	35
	Vertical (kg)	27	18	6
Rated thrust (N)	683	341	174	

AC servo motor	400W			
Max. payload	Horizontal (kg)	110	88	40
	Vertical (kg)	33	22	8
Rated thrust (N)	1388	694	347	

- *1. Motor (200W) shaft diameter : Panasonic ø11, others ø14.
- *2. When the stroke is over 750mm, the run-out of the ball screw will occur. We recommend to low down the working speed under this circumstance.
- *3. Acceleration and deceleration value are set to 0.2 second.

Order example

METS2-14 - L05 - 100 - BC - M20 B

Model	Size	Stroke	Motor position	Motor brand	Flange face	Brakes
METS2-14	L05	100	BC	M	20	-
				P	40	B

Ball screw lead
 L05: 5 mm
 L10: 10 mm
 L20: 20 mm

Stroke
 100~1000 mm
 50 mm pitch

Motor position
 M: Built-in
 BC: Direct connection
 BM: Lower side
 BR: Right side
 BL: Left side

Motor brand
 M: Mitsubishi, Yaskawa, Delta
 P: Panasonic

Flange face
 20: 200W
 40: 400W

Brakes
 -: No brake
 B: With brake

(*1) Standard type is without motor. Please refer to the list of standard motors for flange size.
 (*2) Only for motor position "Built-in".

Slot-type photomicro sensor set

RZ - ET1 - 14 - N

Sensor set	Size	Sensor type
RZ	ET1	N
		P

* With RLT sensor, bolt, nut and cable 2m.

N	NPN
P	PNP

Accessory kits

AK - ET1 - 14

Accessory kits	Size
AK	ET1
	14

* With interrupter and bolt.