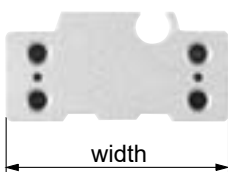


## Miniature Guide Rod Cylinder FGJ Series



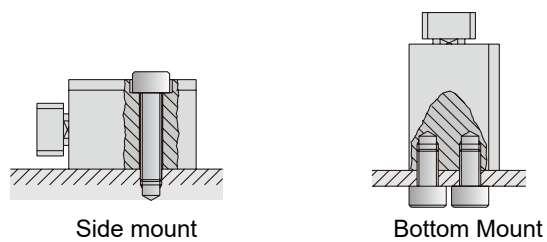
### Advantage:

- ③ Adopt car-made copper bush, high precision with guide rod
- ③ Miniature size design, can meet the occasion of small installation space
- ③ You can choose the installation method according to your required



Non-rotating Accuracy:  $\pm 0.1^\circ$

### Mounting Method



Dimensionwidth Unit:mm

Bore size	The total Length	Width	Height
<b>6</b>	23 + Stroke	29	14.5
<b>10</b>	25 + Stroke	33	17

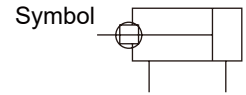
Mass Unit:g

Bore size (mm)	Stroke (mm)			
	5	10	15	20
<b>6</b>	27.3	33.0	38.4	—
<b>10</b>	40.6	48.0	55.6	63.2

Model

Series	Bore size (mm)	Rod Diameter (mm)	Stroke(mm)				Cushion	Auto Switch
			5	10	15	20		
<b>FGJ</b>	<b>6</b>	5	●	●	●	—	Rubber bumper	<b>SW -F8N</b>
	<b>10</b>	6	●	●	●	●		

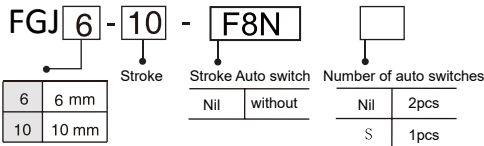
### Miniature Guide Rod Cylinder FGJ Series (ø6 · ø10)



### Specifications

Bore Size(mm)	6	10
Action	Double Acting	
Fluid	Air	
Max operating pressure	0.7MPa	
Min Operating pressure	0.15MPa	
Ambient and fluid temperature	-10~60°C (Non-freezing)	
*Lubrication	No Need	
Piston speed	50~500mm/s	
Cushion	Rubber bumper on both side	
Stroke length tolerance(mm)	+1.0 0	
Allowable the kinetic energy(j)	0.012	0.035
Rod Diameter	ø5	ø6
Port size(Rc)	M3 x 0.5	

### How to order



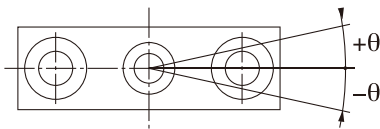
### How to order

1. Bore size:6 , stroke :10 , auto switch  
Right Model: FGJ6-10 1pcs cylinder  
SW-F8N 2pcs auto switches

Bore size (mm)	Standard stroke (mm)	Suitable stroke
6	5, 10, 15	1~15(with subplate)
10	5, 10, 15, 20	1~20(with subplate)

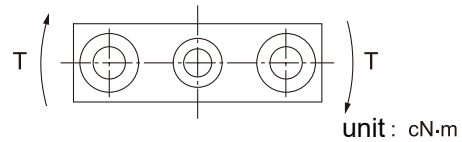
How to order the middle stroke: FGJ6-9 , we will add 1mm subplate ,the size is the same with FGJ6-10

### Non-rotating accuracy of the end plate



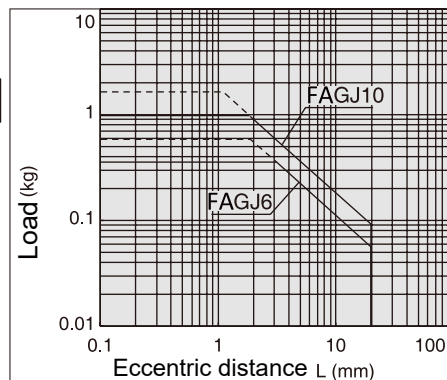
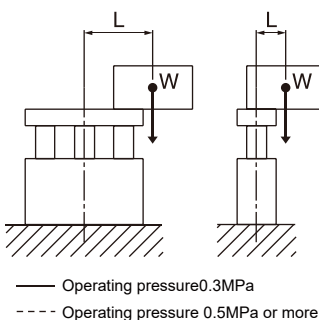
Bore size (mm)	Non-rotating accuracy (θ)
6	±0.1°
10	

### Allowable moment of rotation on the end plate



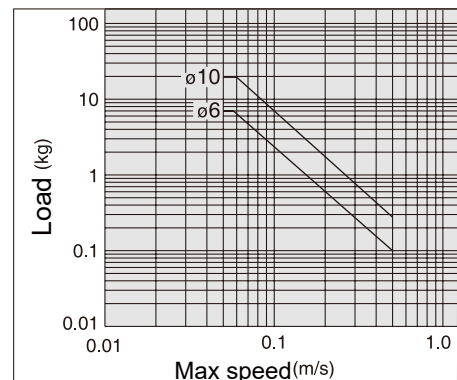
Bore size (mm)	Stroke (mm)			
	5	10	15	20
6	0.92	0.73	0.61	—
10	4.75	3.96	3.36	2.87

### Allowable Eccentric Load

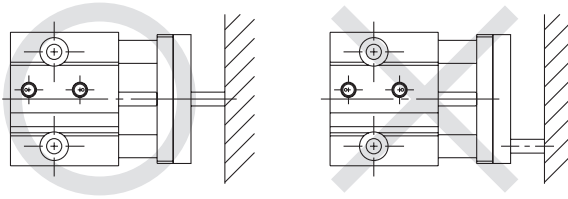


### Allowable the kinetic energy

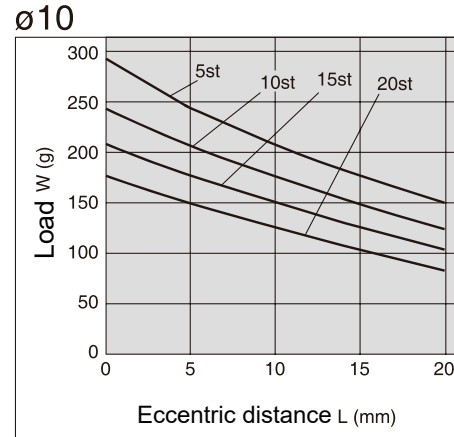
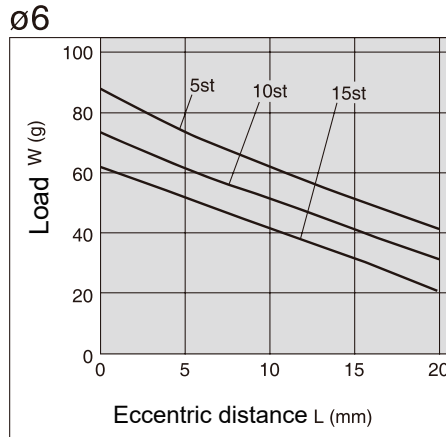
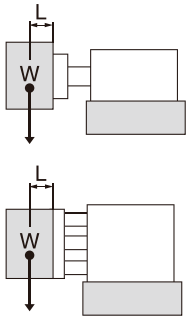
Bore size (mm)	6	10
Piston speed (m/s)	0.05 ~ 0.5	
Allowable the kinetic energy (J)	0.012	0.035



Caution

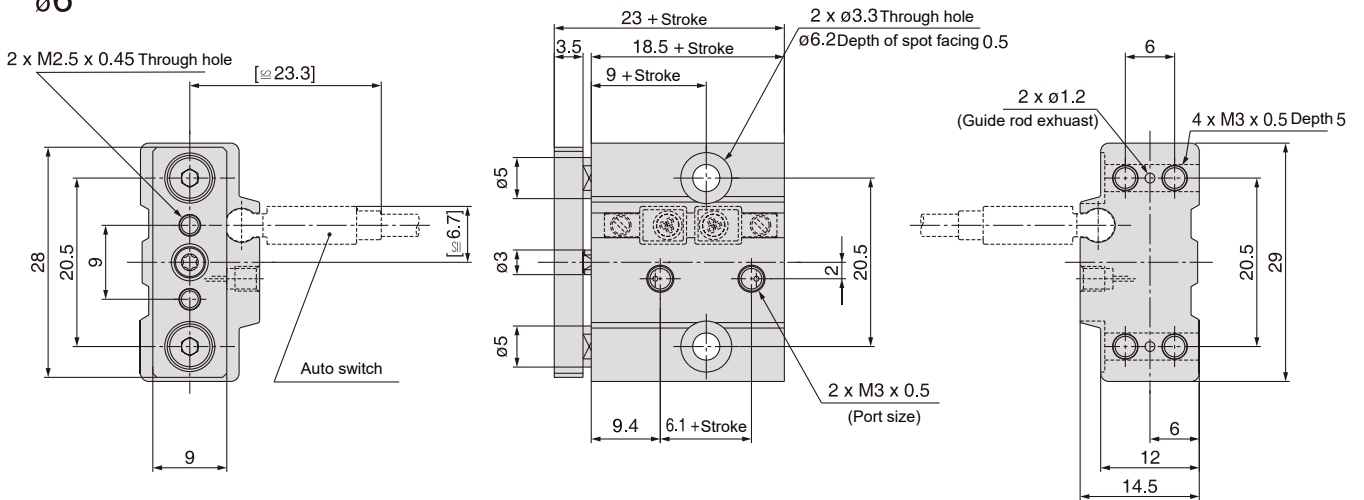


Allowable Lateral Load



Dimensions(mm)

ø6



ø10

