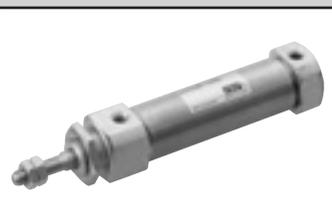


Pencil shaped cylinder

SCPD3-FP1 Series● Bore size: $\varnothing 6/\varnothing 10/\varnothing 16$ Pneumatic Cylinders I
Catalog No. CB-029S

Specifications

Item	SCPD3 SCPD3-L		
	$\varnothing 6$	$\varnothing 10$	$\varnothing 16$
Bore size mm	$\varnothing 6$	$\varnothing 10$	$\varnothing 16$
Actuation	Double acting		
Working fluid	Compressed air		
Max. working pressure MPa	1.0		
Min. working pressure MPa	0.15	0.1	
Proof pressure MPa	1.6		
Ambient temperature °C	10 to 60 (no freezing)		
Port size	M5		
Stroke tolerance mm	+1.0 0		
Working piston speed mm/s	50 to 750		
Cushion	Rubber cushion		
Lubrication	Not required		
Allowable absorbed energy J	0.012	0.041	0.162

*1: The specifications above are for double acting/single rod.

Each item differs depending on variation. For details, refer to Pneumatic Cylinders I (CB-029SA).

Stroke (variation: blank, L, Z, ZL, M, ML, K, KL)

Bore size (mm)	Standard stroke (mm)	Max. stroke (mm)	Available stroke (mm)	Min. stroke (mm)
$\varnothing 6$	15, 30, 45, 60	100	105	5
$\varnothing 10$		200	210	
$\varnothing 16$		260	270	

*1: The custom stroke length is available in 1 mm increments.

*2: Variation Z, ZL, M, and ML with bore size 6 are not available.

Stroke (variation: D, DL)

Bore size (mm)	Standard stroke (mm)	Max. stroke (mm)	Min. stroke (mm)
$\varnothing 6$	15, 30, 45, 60	60	5
$\varnothing 10$		120	
$\varnothing 16$			

*1: The custom stroke length is available in 1 mm increments.

For dimensions, refer to the SCPD3 Series in "Pneumatic Cylinders I (CB-029SA)".

How to order

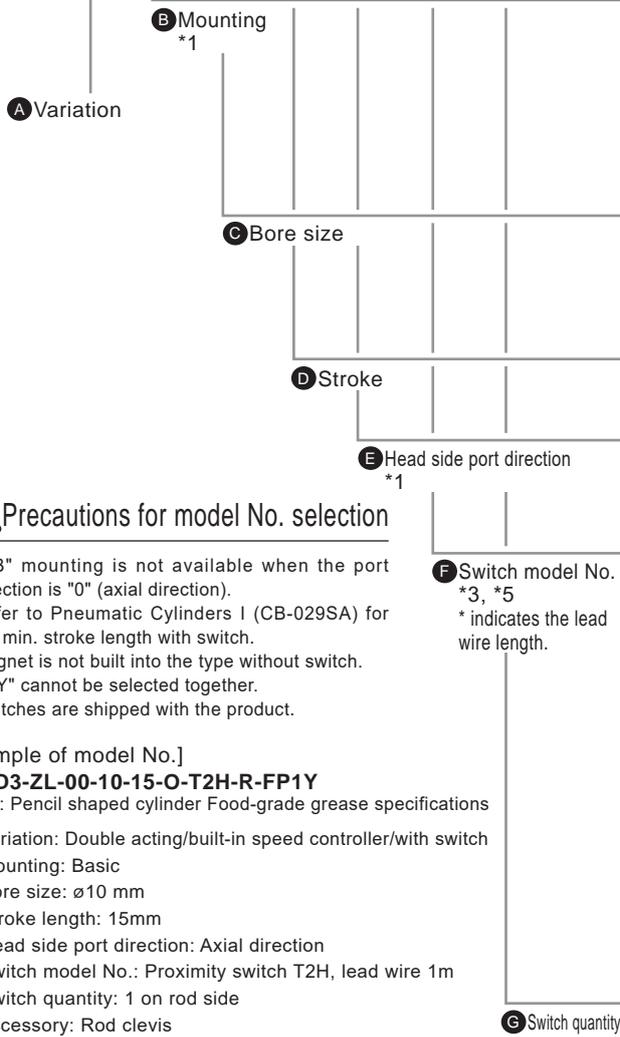
Without switch

SCPD3 - Z - 00 - 10 - 15 - O ————— FP1 Y

With switch

SCPD3 - ZL - 00 - 10 - 15 - O - T2H - R - FP1 Y

Model No.



Precautions for model No. selection

- *1: "CB" mounting is not available when the port direction is "O" (axial direction).
- *2: Refer to Pneumatic Cylinders I (CB-029SA) for the min. stroke length with switch.
- *3: Magnet is not built into the type without switch.
- *4: "I" and "Y" cannot be selected together.
- *5: Switches are shipped with the product.

[Example of model No.]

SCPD3-ZL-00-10-15-O-T2H-R-FP1Y

Model: Pencil shaped cylinder Food-grade grease specifications

- A** Variation: Double acting/built-in speed controller/with switch
- B** Mounting: Basic
- C** Bore size: $\phi 10$ mm
- D** Stroke length: 15mm
- E** Head side port direction: Axial direction
- F** Switch model No.: Proximity switch T2H, lead wire 1m
- G** Switch quantity: 1 on rod side
- H** Accessory: Rod clevis

How to order mounting brackets

Bore size (mm)	$\phi 6$	$\phi 10$	$\phi 16$
Mounting bracket			
Foot (LS)	P2-LS-6	P2-LS-10	P2-LS-16
Flange (FA)	P2-FA-6	P2-FA-10	P2-FA-16

Note: The foot (LS) type mounting bracket is provided as 1 pc./set.

How to order accessories

Bore size (mm)	$\phi 10$	$\phi 16$
Accessory		
Rod eye (I)	P2-I-10-FP1	P2-I-16-FP1
Rod clevis (Y)	P2-Y-10-FP1	P2-Y-16-FP1
Eye bracket (B1)	P2-B1-10-FP1	P2-B1-16-FP1
Clevis bracket (B2)	P2-B2-10-FP1	P2-B2-16-FP1

Code	Description					
A Variation						
Bore size		6	10	16		
Blank	Double acting/single rod	●	●	●		
L	Double acting/single rod/with switch	●	●	●		
D	Double acting/double rod	●	●	●		
DL	Double acting/double rod/with switch	●	●	●		
Z	Double acting/built-in speed controller (made to order)		●	●		
ZL	Double acting/built-in speed controller/with switch (made to order)		●	●		
M	Double acting/rotation-stop		●	●		
ML	Double acting/rotation-stop/with switch		●	●		
K	Double acting/high load (made to order)	●	●	●		
KL	Double acting/high load/with switch (made to order)	●	●	●		
B Mounting						
Bore size		6	10	16		
00	Basic	●	●	●		
LS	Axial foot (one side) (rod side)	●	●	●		
FA	Rod side flange	●	●	●		
CB	Clevis bracket (pin and snap ring attached)		●	●		
C Bore size (mm)						
6	$\phi 6$					
10	$\phi 10$					
16	$\phi 16$					
D Stroke length (mm)						
Refer to the stroke length table on page 27.						
E Head side port direction						
Blank	Vertical					
O	Axial direction					
F Switch model No.						
Lead wire Straight	Lead wire L-shaped	Contact	Voltage		Indicator	Lead wire
			AC	DC		
T0H*	T0V*	Reed	●	●	1-color display	2-wire
T5H*	T5V*		●	●	Without indicator lamp	
T2H*	T2V*	Proximity		●	1-color display	2-wire
T3H*	T3V*			●		3-wire
T2WH*	T2WV*			●	2-color display	2-wire
T3WH*	T3WV*		●		3-wire	
* Lead wire length						
Blank	1m (standard)					
3	3m (option)					
5	5m (option)					
G Switch quantity						
R	1 on rod side					
H	1 on head side					
D	2					
T	3					
H Accessory						
Bore size		6	10	16		
I	Rod eye		●	●		
Y	Rod clevis (pin and snap ring attached)		●	●		
B1	Eye bracket		●	●		
B2	Clevis bracket		●	●		

Electric actuator
Pneumatic cylinders
Assistive device
Pneumatic valves
FRL/Auxiliary Components
Electronic Component
Vacuum components
Main line components
Fluid control valves
Main line components
Anti-bacterial/bacteria-removing filter
Vacuum components
Fluid control valves