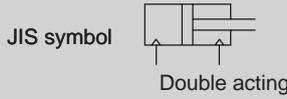


Pneumatic Cylinders I
Catalog No. CB-029SA

Compact cylinder Double acting/ Single rod

SMG Series

● Bore size: $\phi 6/\phi 10/\phi 16/\phi 20/\phi 25/\phi 32$



Pneumatic actuator
 Hand/Chuck
 Related products
 Pneumatic cylinders
 Cylinder Switch
 Vacuum components
 Pneumatic valves
 Clean air components
 Speed controller
 Fitting
 Auxiliary valve
 Silencer
 Tube
 Gas generator
 Fluid control components
 Motor specifications
 Motor specification

Specifications

Item	SMG SMG-L (with switch)						
	mm	$\phi 6$	$\phi 10$	$\phi 16$	$\phi 20$	$\phi 25$	$\phi 32$
Bore size	mm	$\phi 6$	$\phi 10$	$\phi 16$	$\phi 20$	$\phi 25$	$\phi 32$
Actuation		Double acting					
Working fluid		Compressed air					
Max. working pressure	MPa	0.7					
Min. working pressure	MPa	0.12	0.06			0.05	
Proof pressure	MPa	1.05					
Ambient temperature	$^{\circ}\text{C}$	-10 to 60 (no freezing)					
Port size		M5					Rc1/8
Stroke tolerance	mm	+1.5 0					
Working piston speed	mm/s	50 to 500					
Cushion		With rubber cushion					
Lubrication		Not available					
Allowable absorbed energy	J	0.012	0.036	0.1	0.1	0.19	0.5

Stroke

Bore size (mm)	Standard Stroke (mm)	Min. Stroke (mm)
$\phi 6$	5, 10, 15, 20, 25, 30, 40, 50, 60	5
$\phi 10$		
$\phi 16$	5, 10, 15, 20, 25, 30, 40, 50, 60, 70, 80, 90, 100	
$\phi 20$		
$\phi 25$		
$\phi 32$		

*1: The custom Stroke is available in 5 mm increments. However, the total length is the same as that of the next longer standard Stroke.

Compatibility table by variation

Applicable bore size		Double acting/ single rod	Single acting/ push	Single acting/ pull	Double acting/ fine speed	Double acting/ rotation-stop
			X	Y	F	M
ø6 to 32	P4	●	○	○		○
	P40	●	○	○		○
	P42	▲				▲

●: Applicable models ○: Semi-applicable models ▲: Contact CKD for details. □: Not applicable

How to order

Without switch (without magnet for switch)

SMG - **32** - **25** - **P4**
P40

With switch (built-in magnet for switch)

SMG-L - **32** - **25** - **SW51** - **R** - **P4**
P40

A Model No.

B Bore size

C Stroke

D Switch model No.

E Switch quantity

Code	Description						
A Model No.							
SMG	Double acting						
SMG-L	Double acting/with switch						
B Bore size (mm)							
6	ø6						
10	ø10						
16	ø16						
20	ø20						
25	ø25						
32	ø32						
C Stroke (mm)							
	Applicable bore size						
	ø6						
	ø10						
	ø16						
	ø20						
	ø25						
	ø32						
Standard Stroke	5	●	●	●	●	●	●
	10	●	●	●	●	●	●
	15	●	●	●	●	●	●
	20	●	●	●	●	●	●
	25	●	●	●	●	●	●
	30	●	●	●	●	●	●
	40	●	●	●	●	●	●
	50	●	●	●	●	●	●
	60	●	●	●	●	●	●
	70				●	●	●
	80				●	●	●
90				●	●	●	
100				●	●	●	
D Switch model No.							
Refer to the compatibility table on Intro Pages 23 to 26 for switch model No.							
E Switch quantity							
R	1 on rod side						
H	1 on head side						
D	2						

Related products

Speed controller							
Model No.	Appearance	Port size (Rc or R)		Compatible tube O.D.			Page
		M5	1/8	4 (ø4)	6 (ø6)	8 (ø8)	
SC3W-M5- *-P4		●		●	●		530
SC3W-6- *-P4			●	●	●	●	

Specify the compatible tube O.D. code for *.

P4
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Fluid control components

Motor specification
Motorless specifications
Electric actuator