

# Stopper Cylinder / Adjustable Mounting Height

## Series *RSG*

ø40, ø50

### How to Order

**RSG 40 - 30 D -**

**With auto switch** **RSDG 40 - 30 D - M9BW -**

**With auto switch (Built-in magnet)**

**Bore size**

40	40 mm
50	50 mm

**Port type**

Nil	Rc
TN	NPT
TF	G
F	Built-in One-touch fittings

**Cylinder stroke (mm)**

40, 50	20, 25, 30
--------	------------

**Action**

D	Double acting
B	Double acting with spring loaded
T	Single acting (Spring extend)

**Auto switch**

Nil	Without auto switch
-----	---------------------

**Number of auto switches**

Nil	2 pcs.
S	1 pc.

**Made to Order Specifications**  
For details, refer to page 1388.

**Rod end configuration**

Symbol	Configuration	Application
Nil	Round bar type	—
K	Chamfered type	—
R	Roller type	—
L	Lever type (Non-adjustable)	Basic style
B	Lever type	—
C	(Energy absorbing)	With cancel cap
D	(Adjustable deformation)	With lock mechanism
E		With lock & cancel

**Built-in Magnet Cylinder Model**

If a built-in magnet cylinder without an auto switch is required, there is no need to enter the symbol for the auto switch.  
(Example) RSDG50-25D

**Applicable Auto Switch**/Refer to pages 1719 to 1827 for further information on auto switches.

Type	Special function	Electrical entry	Indicator light	Wiring (Output)	Load voltage		Auto switch model	Lead wire length (m)					Pre-wired connector	Applicable load				
					DC	AC		Applicable bore size	0.5 (Nil)	1 (M)	3 (L)	5 (Z)				None (N)		
Solid state switch	—	Grommet	Yes	3-wire (NPN)	24 V	5 V, 12 V	—	M9N	●	●	●	○	—	○	IC circuit	Relay, PLC		
		3-wire (PNP)		M9P				●	●	●	○	—	○					
		Connector		2-wire				12 V	M9B	●	●	●	○	—	○		—	
	Diagnostic indication (2-color indication)	Grommet		3-wire (NPN)	24 V	5 V, 12 V	—	M9NW	●	●	●	○	—	○	IC circuit			
				3-wire (PNP)				M9PW	●	●	●	○	—	○				
				Water resistant (2-color indication)				2-wire	12 V	M9BW	●	●	●	○	—		○	—
								H7BA	—	—	●	○	—	○				
	With diagnostic output (2-color indication)	4-wire (NPN)		5 V, 12 V	H7NF	●	—	●	○	—	○	IC circuit						
	Reed switch	—		Grommet	Yes	3-wire (NPN equivalent)	—	5 V	—	A96	●	—	●	—	—		—	IC circuit
2-wire			24 V			12 V	100 V	A93	●	—	●	—	—	—	—			
							100 V or less	A90	●	—	●	—	—	—	—			
				—			C73C	●	—	●	●	●	—	—				
				24 V or less			C80C	●	—	●	●	●	—	—				
Connector			No	2-wire		24 V	12 V	—	C73C	●	—	●	●	●	—	—		

\* Lead wire length symbols: 0.5 m ..... Nil  
1 m ..... M  
3 m ..... L  
5 m ..... Z  
None ..... N

(Example) M9NW  
(Example) M9NWM  
(Example) M9NWL  
(Example) M9NWX  
(Example) H7CN

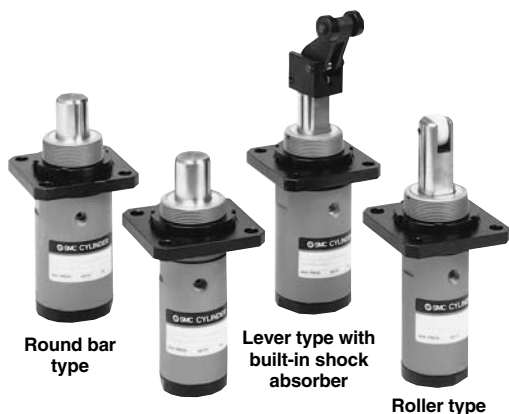
\* Solid state auto switches marked with "○" are produced upon receipt of order.  
\* D-A9□V□/M9□V□/M9□WV□/M9□A(V)L types cannot be mounted.

\* Since there are other applicable auto switches than listed, refer to page 1398 for details.

\* For details about auto switches with pre-wired connector, refer to pages 1784 and 1785.

\* D-A9□/M9□/M9□W auto switches are shipped together (not assembled). (Only auto switch mounting brackets are assembled before shipped.)

# Series RSG



## Spring Force (Single acting)

Bore size (mm)	Extended	Compressed
40, 50	13.7	27.5

\* For Round bar type, Chamfered type and Roller type.



## Made to Order Specifications

(For details, refer to pages 1836 and 1872.)

Symbol	Specifications
-XA□	Change of rod end shape
-XC3	Special port position

## Model

Bore size (mm)		40	50
Mounting	Flange	●	●
Built-in magnet		●	●
Piping	Screw-in type	Rc 1/8	
	Built-in One-touch fittings	ø6/4	ø8/6
Action		Double acting, Single acting (Spring extended), Double acting with spring loaded	
Rod end configuration	Round bar type	●	●
	Chamfered type	●	●
	Roller type	●	●
	Lever type	●	●

## Specifications

Action	Double acting, Double acting with spring loaded, Single acting (Spring extended)
Fluid	Air
Proof pressure	1.5 MPa
Maximum operating pressure	1.0 MPa
Ambient and fluid temperature	Without auto switch: -10 to 70°C With auto switch: -10 to 60°C
Lubrication	Not required (Non-lube)
Cushion	Rubber bumper
Stroke length tolerance	+1.4 0
Mounting	Flange style

\* No freezing (for cylinders with or without an auto switch)

## Bore Size/Standard Stroke

Bore size (mm)	Rod end configuration	
	Round bar type, Chamfered type, Roller type, Lever type with shock absorber	
40	20, 25, 30	
50	20, 25, 30	

## Mass

Action	Bore size (mm)	Rod end configuration	Cylinder stroke (mm)		
			20	25	30
Double acting	40	Round bar type, Chamfered type, Roller type	1.14	1.17	1.2
		Lever type with built-in shock absorber	1.38	1.41	1.44
Single acting, Spring extend	50	Round bar type, Chamfered type, Roller type	1.34	1.37	1.4
		Lever type with built-in shock absorber	1.56	1.59	1.62