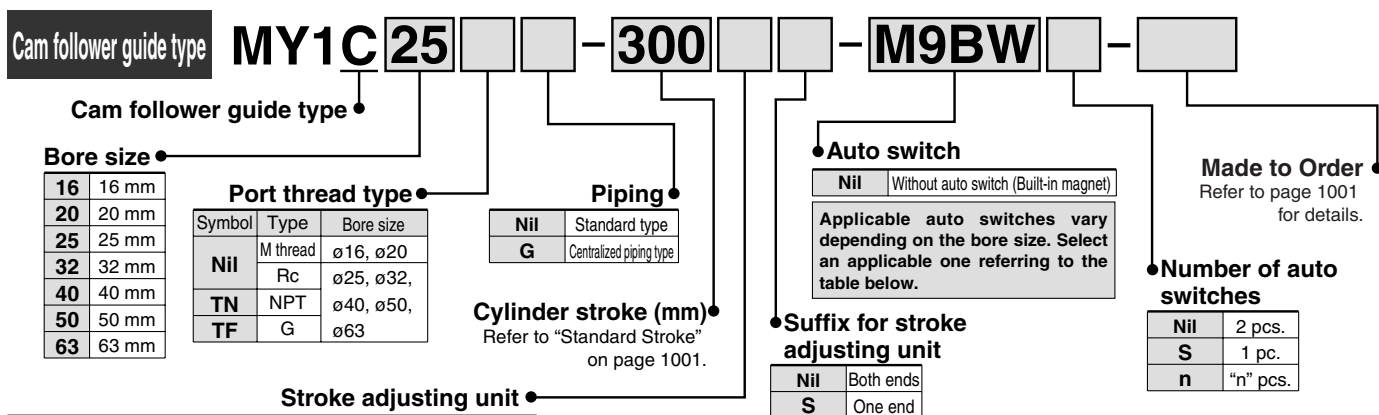


Mechanically Jointed Rodless Cylinder Cam Follower Guide Type

Series MY1C

ø16, ø20, ø25, ø32, ø40, ø50, ø63

How to Order



Nil	Without adjusting unit
A	With adjusting bolt
L	With low load shock absorber + Adjusting bolt
H	With high load shock absorber + Adjusting bolt
AL	With one A unit and one L unit
AH	With one A unit and one H unit each
LH	With one L unit and one H unit each

Note) MY1C16 is not available with H unit.

Shock Absorbers for L and H Units

Unit no.	Bore size (mm)	16	20	25	32	40	50	63
L unit		RB0806		RB1007		RB1412		RB2015
H unit		—	RB1007	RB1412		RB2015		RB2725

Applicable Auto Switch/Refer to pages 1263 to 1371 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	Perpendicular		In-line		0.5 (Nil)	1 (M)	3 (L)	5 (Z)						
							ø16, ø20	ø25 to ø63	ø16, ø20	ø25 to ø63										
Solid state switch	—	Grommet	Yes	3-wire (NPN)	24V	5V, 12V	—	M9NV ** [Y69A]		M9N ** [Y59A]		●	● [—]	●	○	○	IC circuit	Relay, PLC		
				M9PV ** [Y7PV]				M9P ** [Y7P]		●	● [—]	●	○	○						
				M9BV ** [Y69B]				M9B ** [Y59B]		●	● [—]	●	○	○	—					
	3-wire (NPN)			24V	5V, 12V	M9NWW ** [Y7NWW]		M9NW ** [Y7NW]		●	● [—]	●	○	○	IC circuit					
	3-wire (PNP)					M9PWW ** [Y7PWW]		M9PW ** [Y7PW]		●	● [—]	●	○	○						
	2-wire					24V		12V	M9BWW ** [Y7BWW]		M9BW ** [Y7BW]		●	● [—]		●	○		○	—
	Reed switch	—	Grommet	Yes	3-wire (NPN equivalent)		—		5V	—	A96V	—	A96	Z76	●	—	●	—	—	IC circuit
2-wire					24V		12V		100V	A93V	—	A93	—	●	—	●	—	—	—	Relay, PLC
						100V or less		A90V		—	A90	Z80	●	—	●	—	—	IC circuit		

* Lead wire length symbols: 0.5 m Nil (Example) M9NW
1 m M (Example) M9NWM
3 m L (Example) M9NWL
5 m Z (Example) M9NWX

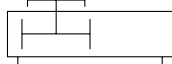
* Solid state auto switches marked with "○" are produced upon receipt of order.
** D-M9□□□ type cannot be mounted on ø40.
Select auto switches in brackets.

* There are other applicable auto switches than listed above. For details, refer to page 1053.
* For details about auto switches with pre-wired connector, refer to pages 1328 and 1329.
* Auto switches are shipped together (not assembled).

Mechanically Jointed Rodless Cylinder Cam Follower Guide Type **Series MY1C**



JIS Symbol



Specifications

Bore size (mm)	16	20	25	32	40	50	63
Fluid	Air						
Action	Double acting						
Operating pressure range	0.1 to 0.8 MPa						
Proof pressure	1.2 MPa						
Ambient and fluid temperature	5 to 60°C						
Cushion	Air cushion						
Lubrication	Non-lube						
Stroke length tolerance	1000 or less $^{+1.8}_0$ 1001 to 3000 $^{+2.8}_0$		2700 or less $^{+1.8}_0$, 2701 to 5000 $^{+2.8}_0$				
Piping port size	Front/Side port	M5 x 0.8		Rc 1/8		Rc 1/4	Rc 3/8
	Bottom port	ø4		ø5	ø6	ø8	ø10 ø11

Stroke Adjusting Unit Specifications

Bore size (mm)	16			20			25			32			40			50			63			
Unit symbol	A	L		A	L	H	A	L	H	A	L	H	A	L	H	A	L	H	A	L	H	
Configuration Shock absorber model	With adjusting bolt	RB 0806 + with adjusting bolt		With adjusting bolt	RB 0806 + with adjusting bolt	RB 1007 + with adjusting bolt	With adjusting bolt	RB 1007 + with adjusting bolt	RB 1412 + with adjusting bolt	With adjusting bolt	RB 1412 + with adjusting bolt	RB 2015 + with adjusting bolt	With adjusting bolt	RB 1412 + with adjusting bolt	RB 2015 + with adjusting bolt	With adjusting bolt	RB 2015 + with adjusting bolt	RB 2725 + with adjusting bolt	With adjusting bolt	RB 2015 + with adjusting bolt	RB 2725 + with adjusting bolt	
Fine stroke adjustment range (mm)	0 to -5.6			0 to -6			0 to -11.5			0 to -12			0 to -16			0 to -20			0 to -25			
Stroke adjustment range	When exceeding the stroke fine adjustment range: Utilize a made-to-order specifications "-X416" and "-X417".																					

* Stroke adjustment range is applicable for one side when mounted on a cylinder.

Shock Absorber Specifications

Model		RB 0806	RB 1007	RB 1412	RB 2015	RB 2725
Max. energy absorption (J)		2.9	5.9	19.6	58.8	147
Stroke absorption (mm)		6	7	12	15	25
Max. collision speed (mm/s)		1500				
Max. operating frequency (cycle/min)		80	70	45	25	10
Spring force (N)	Extended	1.96	4.22	6.86	8.34	8.83
	Retracted	4.22	6.86	15.98	20.50	20.01
Operating temperature range (°C)		5 to 60				

The shock absorber service life is different from that of the MY1C cylinder depending on operating conditions. Refer to the RB Series Specific Product Precautions for the replacement period.



Made to Order Specifications
(For details, refer to pages 1395 to 1565.)

Symbol	Specifications
—XB11	Long stroke
—XC56	With knock pin hole
—XC67	NBR rubber lining in dust seal band
—X168	Helical insert thread specifications
—X416	Holder mounting bracket I
—X417	Holder mounting bracket II

Standard Stroke

Bore size (mm)	Standard stroke (mm) *	Maximum manufacturable stroke (mm)
16	100, 200, 300, 400, 500, 600, 700, 800, 900, 1000, 1200, 1400, 1600, 1800, 2000	3000
20, 25, 32, 40		5000
50, 63		

* Strokes are manufacturable in 1 mm increments, up to the maximum stroke. However, when exceeding a 2000 mm stroke, specify "-XB11" at the end of the model number.

Piston Speed

Bore size (mm)		16 to 63
Without stroke adjusting unit		100 to 1000 mm/s
Stroke adjusting unit	A unit	100 to 1000 mm/s ⁽¹⁾
	L unit and H unit	100 to 1500 mm/s ⁽²⁾

Note 1) Be aware that when the stroke adjusting range is increased by manipulating the adjusting bolt, the air cushion capacity decreases. Also, when exceeding the air cushion stroke ranges on page 1004, **the piston speed should be 100 to 200 mm per second.**

Note 2) The piston speed is 100 to 1000 mm/s for centralized piping.

Note 3) Use at a speed within the absorption capacity range. Refer to page 1004.

MY1B

MY1M

MY1C

MY1H

MY1HT

MY1□W

MY2C

MY2H□

MY3A

MY3B

MY3M

D-□

-X□

Individual

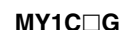
-X□

Technical data

Series MY1C

Refer to page 1056 regarding centralized piping port variations.

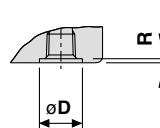
Stroke



(mm)

“P” indicates cylinder supply ports.

(mm)



**Bottom ported (ZZ)
(Applicable O-ring)**

Hole Size for Centralized Piping on the Bottom

(Machine the mounting side to the dimensions below.)

Technical