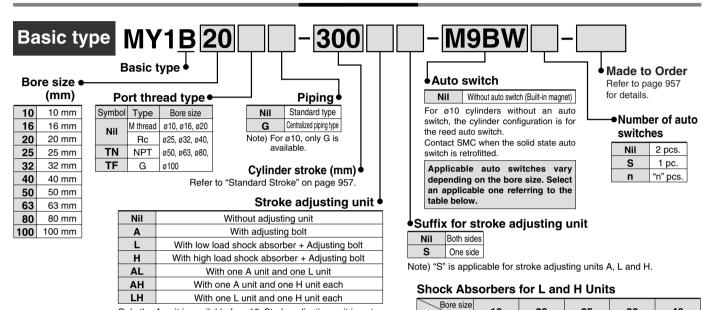
Mechanically Jointed Rodless Cylinder Basic Type

Series MY1B

Ø10, Ø16, Ø20, Ø25, Ø32, Ø40, Ø50, Ø63, Ø80, Ø100

How to Order



The shock absorber service life is different from that of the MY1B cylinder depending on operating conditions. Refer to the RB Series Specific Product Precautions for the replacement period.

RB1007

RB1412

32

40

RB1412

20

RB0806

RB1007

RB0805

Unit no. (mm)

L unit

H unit

Applicable Auto Switch/Refer to pages 1263 to 1371 for further information on auto switches.

Only the A unit is available for ø16. Stroke adjusting unit is not

available for ø50, ø63, ø80 and ø100. For detailed information

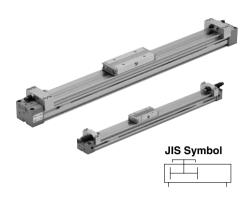
on stroke adjusting unit specifications, refer to page 957.

	Floatrical		ight		L	oad volta	ge		Auto switch model					Lead wire length (m)														
Type	Special function	Electrical entry	ator light	Wiring (Output)	DC		AC	Perpen	dicular	In-line		0.5	1	3		Pre-wired connector	Applicat	ole load										
		,	Indic		L	,,,	AC	ø10 to ø20	ø25 to ø100	ø10 to ø20 ø25 to ø100		(Nil)	(M)	(L)														
				2 wire (NDN)				M9	NV **	MS	9N **		•															
				3-wire (NPN)		5V, 12V		[Y6	[Y69A]	[Y5	9 A]		[—]			0	IC circuit											
뜻				3-wire (PNP)		30, 120	_	M9	PV **	M9P **							IC CITCUIT											
switch				3-wire (FINE)				[Y7	PV]	[Y7	'P]	•	[—]															
				2-wire	24V	12V		M9	BV **	MS	9B **																	
state		Grommet	Voc					[Y6	9B]	[Y5	9B]	•	[—]					Relay, PLC										
Solid st	Diagnostic indication (2-color indication)	Grommet	et Yes	3-wire (NPN)	24 V			M9N	IWV**	M9I	** W							PLC										
				o wile (Ni N)		5V, 12V		[Y7N	IWV]	[Y7I	IW]	•	[—]		\Box		IC circuit											
Š				3-wire (PNP)		30, 120		M9P	WV **	M9	PW **						lo circuit											
							[Y7P	WV]	[Y7I	PW]		[—]	_															
				2-wire		12V		_	8WV **		3W **																	
										[Y7B	WV]	[Y7I	3W]		[—]	_												
tch		Ye												3-wire (NPN equivalent)	_	5V	_	A96V	_	A96	Z 76	•	_	•	_	_	IC circuit	_
Reed switch			Yes					4001/		400																		
		Grommet		2-wire		12V	100V	A93V	_	A93	— 770		_				- I	Relay,										
					24V				_	_	Z73	•	_	•		-		PLC										
-			No				100V or less	A90V	_	A90	Z80		_		_	_	IC circuit											

- * Lead wire length symbols: 0.5 mNil (Example) M9NW
 - 1 m ······ M (Example) M9NWM
 - 3 m L (Example) M9NWL 5 m Z (Example) M9NWZ
- * Solid state auto switches marked with "O" are produced upon receipt of order.
- ** D-M9 _ type cannot be mounted on ø50. 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.
- \ast Auto switches are shipped together (not assembled).



Mechanically Jointed Rodless Cylinder Basic Type Series MY1B



Specifications

	- Tourism											
Bore size	(mm)	10	16	20	25	32	40	50	63	80	100	
Fluid		Air										
Action		Double acting										
Operating p	ressure range	0.2 to 0.8MPa										
Proof p	ressure	1.2 MPa										
Ambient and 1	luid temperature	5 to 60°C										
Cushior	1	Rubber bumper Air cushion										
Lubrica	tion	Non-lube										
Stroke length tolerance		1000 or less 1001 to 3000		2700 or less $^{+1.8}_{0}$, 2701 to 5000 $^{+2.8}_{0}$								
Piping	Front/Side port	M5 >	M5 x 0.8		Rc	1/8	Rc 1/4	Rc	3/8	Rc	1/2	
Port size	Bottom port		Ø	4	ø5	ø6	ø8	ø10	ø11	ø16	ø18	

Stroke Adjusting Unit Specifications

on one rajusting one openiousers															
Bore size (mm)	1	0	16		20			25			32			40	
Unit symbol	Α	Н	Α	Α	L	Н	Α	L	Н	Α	L	Н	Α	L	Н
Configuration Shock absorber model	With adjusting bolt	RB 0805 + with adjusting bolt	With adjusting bolt	, ,	VVILII	RB 1007 + with adjusting bolt	With adjusting bolt	RB 1007 + with adjusting bolt	RB 1412 + with adjusting bolt	With adjusting bolt	WILLI	RB 2015 + with adjusting bolt	With adjusting bolt	RB 1412 + with adjusting bolt	RB 2015 + with adjusting bolt
Fine stroke adjustment range (mm)	0 to -5 0 to -5.6 0 to -6					0 to -11.5		0 to −12			0 to -16				
Stroke adjustment range	roke 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 0805	RB 0806	RB 1007	RB 1412	RB 2015
Max. energy a	bsorption (J)	1.0	2.9	5.9	19.6	58.8
Stroke abso	rption (mm)	5	6	7	12	15
Max. collision	speed (mm/s)	1000	1500	1500	1500	1500
Max. operating free	quency(cycle/min)	80	80	70	45	25
Spring	Extended	1.96	1.96	4.22	6.86	8.34
force (N)	Retracted	3.83	4.22	6.86	15.98	20.50
Operating temper	rature range (°C)			5 to 60		

The shock absorber service life is different from that of the MY1B cylinder depending on operating conditions. Refer to the RB Series Specific Product Precautions for the replacement period.

Piston Speed

Bore size (mi	m)	10	16 to 100		
Without strok	e adjusting unit	100 to 500 mm/s	100 to 1000 mm/s		
Stroke	A unit	100 to 200 mm/s	100 to 1000 mm/s (1)		
adjusting unit	L unit and H unit	100 to 1000 mm/s	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 960, 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 959.



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

	(1 of detaile, feler to pages 1000 to 1000.
Symbol	Specifications
—XB11	Long stroke type
—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)		
10, 16	100, 200, 300, 400, 500, 600, 700	3000		
20, 25, 32, 40 50, 63, 80, 100	800, 900, 1000, 1200, 1400, 1600 1800, 2000	5000		

* 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.



Technical

MY1B

MY1M

MY1C

MY1H

MY1HT

MY10W

MY2C

MY2H MY3A MY3B

MY3M

