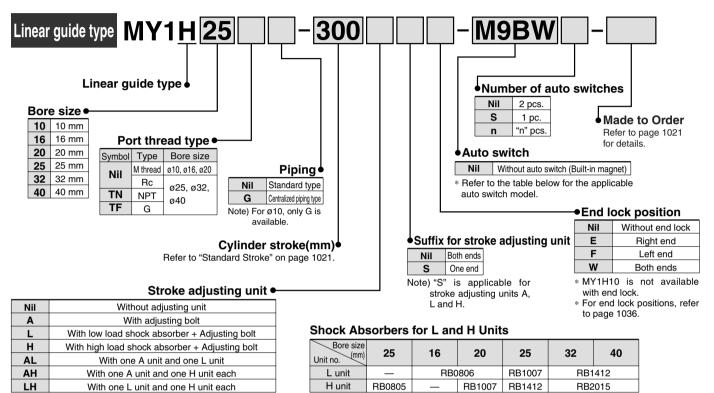
Mechanically Jointed Rodless Cylinder Linear Guide Type

Series MY1H

ø10, ø16, ø20, ø25, ø32, ø40

How to Order



Note) MY1H16 is not available with H unit. MY1H10 is not available with A and L units.

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

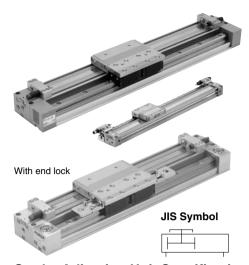
<u> </u>	Applicable Acto Official to pages 1203 to 1371 for further information on acto switches.																						
Туре			ō	\A/:	L	oad volta	.ge	Auto swit	ch model	Le	ad wir	e len	gth (n	n)	Dan adan d		licable load						
	Special function	Electrical H	Electrical	Electrical	ndicator light	Wiring		C	AC	Darnandiaular	In-line	0.5	5 1 3 5 None Connect		connector	Applical	ble load						
		,	<u>u</u> –	(Output)		C	AC	Perpendicular	in-iine	(Nil)	(M)	(L)	(Z)	(N)									
Ë		3-wire (NP	3-wire (NPN)		5)/40)/		M9NV	M9N	•	•	•	0	0	0	10 : "								
N Kit	St			3-wire (PNP)		5V,12V		M9PV	M9P	•	•	•	0	0	0	IC circuit							
		Gram	Crammat	V	2-wire	24V	12V		M9BV	M9B	•		•	0	0	0	_	Relay,					
stat		Grommet Yes	res	3-wire (NPN)	24 V	5V,12V		M9NWV	M9NW	•	•	•	0	0	0	IC circuit	PLC						
Solid		(2-color indication)			3-wire (PNP)			M9PWV	M9PW	•		•	0	0	0	IC Circuit							
တ	(2-color indication)										2-wire		12V	1	M9BWV	M9BW	•	•	•	0	0	0	_
switch		0	Yes	3-wire (NPN equivalent)	_	5V	_	A96V	A96	•	-	•	_	_	_	IC circuit	_						
Reed s		Grommet		2-wire	24V	12V	100V	A93V	A93	•	_	•	_	_	_		Relay,						
			No	2-wire	24 V	120	100V or less	A90V	A90	•	_	•	_	_	_	IC circuit	PLC						

* Solid state auto switches marked with "O" are produced upon receipt of order.

- * Lead wire length symbols: 0.5 m-----Nil(Example) M9NW
 - 1 m······M (Example) M9NWM
 - 3 m······L (Example) M9NWL 5 m······Z (Example) M9NWZ
 - 5 m·······Z (Example) M9NWZ
- * There are other applicable auto switches than listed above. For details, refer to page 1053.
- st 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 Linear Guide Type Series MY1H



Specifications

Bore size (ı	mm)	10	16	20	25	32	40		
Fluid		Air							
Action		Double acting							
Operating pressure range		0.2 to 0.8 MPa {2.0 to 8.2 kgf/cm²} 0.1 to 0.8 MPa							
Proof pressure		1.2 MPa							
Ambient and fluid temperature		5 to 60°C							
Cushion		Rubber bumper Air cushion							
Lubrication		Non-lube							
Stroke length tolerance		+1.8 0							
Piping Front/Side port		M5 x 0.8			Rc 1/8 Rc 1/4				
port size	Bottom port		Ø	4	ø5	ø6	ø8		

MY1B

MY1M

MY1C

MY1H

MY1HT MY10W

MY2C

MY2H□

MY3A MY3B

MY3M

Stroke Adjusting Unit Specifications

Bore size (mm)	10	1	6		20			25			32			40	
Unit symbol	Н	Α	L	Α	L	Н	Α	L	Н	Α	L	Н	Α	L	Н
Configuration Shock absorber model	RB 0805 with adjusting bolt	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 1412 + with adjusting bolt	With adjusting bolt		RB 2015 + with adjusting bolt	With adjusting bolt		RB 2015 + with adjusting bolt
Fine stroke adjustment range (mm)	0 to -10	0 to -5.6		0 to -6		0 to -11.5		0 to -12		0 to −16		6			
Stroke adjustment range	١ ١	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 absorption (J)		1.0	2.9	5.9	19.6	58.8		
Stroke absorption (mm)		5	6	7	12	15		
Max. collision speed (mm/s)		1000	1500	1500	1500	1500		
Max. operating frequency (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 shocker and a Pin is different from that of the AMALL shocker								

^{*} The shock absorber service life is different from that of the MY1H cylinder depending on operating conditions. Refer to the RB Series Specific Product Precautions for the replacement period.

Piston Speed

Bore size (m	m)	10	16 to 40		
Without stro	ke 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 1023, 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

Standard Stroke

Bore size (mm)	Standard stroke * (mm)	Maximum manufacturable stroke (mm)		
,	50, 100, 150, 200	\ /		
10, 16, 20	250, 300, 350, 400	1000		
25, 32, 40	450, 500, 550, 600	1500		



Strokes are manufacturable in 1 mm increments, up to the maximum stroke. However, add "-XB10" to the end of the part number for non-standard strokes from 51 to 599. Also when exceeding a 600 mm stroke, specify "-XB11" at the end of the model number. (Except ø10)

Lock Specifications

Bore size (mm)	16	20	25	32	40			
Lock position		One end	One end (Selectable), Both ends					
Holding force (Max.) (N)	110	170	270	450	700			
Fine stroke adjusting range (mm)	0 to −5.6	0 to -6	0 to -11.5	0 to -12	0 to −16			
Backlash	1 mm or less							
Manual release	Possible (Non-lock type)							



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

	(* ** ********* ** p***g *** ******************************
Symbol	Specifications
—XB10	Intermediate stroke (Using exclusive body)
—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

D-□
-X□
Individual

