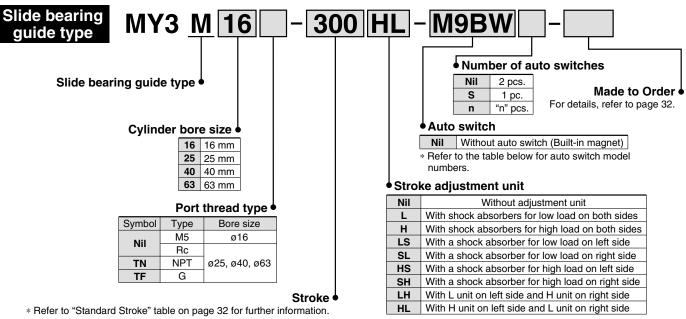
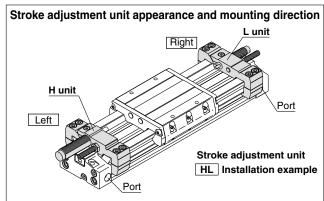
Mechanically Jointed Rodless Cylinder Slide bearing guide type

Series MY3M

Ø16, Ø25, Ø40, Ø63

How to Order





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

Applicable Auto Switches/ Refer to Best Pneumatics No. 2, pages 1263 to 1371 for further information on auto switches.

(I)	Special function	Electrical entry	light	\\/inima	Load voltage		Auto switch model		Lead wire length (m)			n (m)	Pre-wired			
Туре			Indicator light	Wiring (Output)			AC Perpendici		icular In-line	0.5	1	3	5		Applica	ble load
			뺼		DC		AC	AC Perpendicular		(Nil)	(M)	(L)	(Z)	connector		
Solid state switch			ant Va	3-wire (NPN)	24 V	5 V, 12 V	M9NV	M9N	•	•	•	0	0	IC circuit		
				3-wire (PNP)				M9PV	M9P	•	• • • o o	0	TIC CIrcuit			
	Crommo	Grommet		2-wire		12 V		M9BV	M9B	•	•	•	0	0	— Relay, PLC	Relay,
	Diagnostic indication (2-color indication)	Groninet	Yes	3-wire (NPN)		5 V. 12 V		M9NWV	M9NW	•	•	•	0	0		PLC
				3-wire (PNP)		5 V, 12 V		M9PWV	M9PW	•	•	•	0	0		
				2-wire		12 V		M9BWV	M9BW	•	•	•	0	0	_	
Reed	Crammat	Yes	3-wire (NPN equiv.)	_	5 V	_	A96V	A96	•	-	•	-	_	IC circuit	_	
		Grommet No	0.1.	101/ 100	100 V	A93V	A93	•	_	•	_	_	_	Relay,		
				No	2-wire	24 V	12 V	100 V or less	A90V	A90	•	_	•	_	_	IC circuit

* Lead wire length symbols: 0.5 m Nil 1 m M (Example) M9NW

(Example) M9NWM (Example) M9NWL

3 m L 5 m Z (Example) M9NWZ

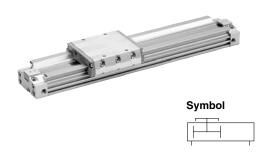


^{*} Refer to page 38 for further details on other applicable auto switches that are not listed above.

^{*} Refer to Best Pneumatics No. 2, pages 1328 and 1329 for the details of auto switches with a pre-wired connector.

^{*} Auto switches are shipped together, but not assembled.

Series MY3M



Specifications

Bore size (mm)	16	25	40	63			
Fluid	Air						
Action	Double acting						
Operating pressure range	0.15 to 0.7 MPa						
Proof pressure	1.05 MPa						
Ambient and fluid temperature	5 to 60°C						
Cushion	Air cushion						
Lubrication	Not required (Non-lube)						
Stroke length tolerance	1000 mm or less ^{+1.8} , From 1001 mm ^{+2.8}						
Port size (Rc, NPT, G)	M5 x 0.8	1/8	1/4	3/8			

Piston Speed

Bore size (mm)	16	25	40	63	
Without stroke adjustment unit	80 to 1000 mm/s				
Stroke adjustment unit (L and H unit)	80 to 1500 mm/s				
* External shock absorber		80 to 15	00 mm/s		

- * When the RB series is used, operate at a piston speed that will not exceed the absorption capacity of the air cushion and stroke adjustment unit.
- * Because of its structure, the fluctuation of this cylinder's operating speed is greater than rod type cylinders. For applications that require constant speed, select an applicable equipment for the level of demand.

Standard Stroke

Bore Size (mm)	Standard Stroke (mm)*	Max. manufacturable stroke (mm)
16, 25 40, 63	100, 200, 300, 400, 500, 600 700, 800,900, 1000, 1200 1400, 1600, 1800, 2000	3000

^{*} Strokes are manufacturable in 1 mm increments, up to the maximum stroke.

However, when exceeding 2000 mm stroke, add "-XB11" to the end of the model number. Refer to "Made to Order" on page 40.

Stroke Adjustment Unit Specifications

Bore size (mm)	16		25		4	0	63		
Unit symbol	L	Н	L	Н	L	Н	L	Н	
Shock absorber model	RB0806	RB1007	RB1007	RB1412	RB1412	RB2015	RB2015	RB2725	
Shock absorber soft type Series RJ (-XB22) model	RJ0806H	RJ1007H	RJ1007H	RJ1412H	RJ1412H	_	_	_	
Fine stroke adjustment range (mm)	0 to -10		0 to -12		0 to	-16	0 to -24		

Made to Order

Made to Order (For details, refer to pages

(For details, refer to pages 40 to 44.)

Symbol	Specification		
-XB11 Long stroke type			
-XB22 Shock absorber soft type Series RJ type			
-X168 Helical insert thread			
-X416	Holder mounting bracket I		
-X417	Holder mounting bracket Ⅱ		

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	6 7 12 15			25			
Max. collision	Max. collision speed (mm/s)		1500						
Max. operating fre	Max. operating frequency (cycle/min)		70	45	25	10			
Spring	Extended	1.96	4.22	6.86	8.34	8.83			
force (N)	Compressed	4.22	6.86	15.98	20.50	20.01			
Operating temperature range (°C)		5 to 60							

Note) The shock absorber service life is different from that of the MY3M cylinders depending on operating conditions. Allowable operating cycle under the specifications set in this catalog is shown below.

1.2 million times RB08□□ 2 million times RB10□□ to RB2725

Note) Specified service life (suitable replacement period) is the value at room temperature (20 to 25°C). The period may vary depending on the temperature and other conditions. In some cases the absorber may need to be replaced before the allowable operating cycle above.

