

# Mechanically Jointed Rodless Cylinder Slide Bearing Guide Type

## Series MY1M

ø16, ø20, ø25, ø32, ø40, ø50, ø63

### How to Order

**Slide bearing guide type MY1M 20 G - 300 L S - M9BW**

**Slide bearing guide type**

**Bore size (mm)**

16	16 mm
20	20 mm
25	25 mm
32	32 mm
40	40 mm
50	50 mm
63	63 mm

**Port thread type**

Symbol	Type	Bore size
Nil	M thread	ø16, ø20
Rc	Rc	ø25, ø32,
TN	NPT	ø40, ø50,
TF	G	ø63

**Piping**

Nil	Standard type
G	Centralized piping type

**Stroke (mm)**

Refer to "Standard Stroke" on page 981.

**Stroke adjusting unit**

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

**Number of auto switches**

Nil	2 pcs.
S	1 pc.
n	"n" pcs.

**Made to Order**  
Refer to page 981 for details.

**Suffix for stroke adjusting unit**

Nil	Both ends
S	One end

Note) "S" is applicable for stroke adjusting units A, L and H.

**Auto switch**

Nil	Without auto switch (Built-in magnet)
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**Applicable auto switches vary depending on the bore size. Select an applicable one referring to the table below.**

**Shock Absorbers for L and H Units**

Bore size (mm)	16	20	25	32	40	50	63
L unit	RB0806	RB1007	RB1412	RB2015	RB2725		
H unit	—	RB1007	RB1412	RB2015	RB2725		

Note) MY1M16 is not available with H unit.

**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	—	●	—	●	—	—	—	—
	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) M9NWZ

\* Solid state auto switches marked with "○" are produced upon receipt of order.  
\*\* D-M9□□□ type cannot be mounted on ø25 to 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).

## MY1M16 to 63

### Component Parts

No.	Description	Material	Note
1	Cylinder tube	Aluminum alloy	Hard anodized
2	Head cover WR	Aluminum alloy	Painted
3	Head cover WL	Aluminum alloy	Painted
4	Slide table	Aluminum alloy	Hard anodized
5	Piston yoke	Aluminum alloy	Chromated
6	Piston	Aluminum alloy	Chromated
7	End cover	Special resin	
8	Wear ring	Special resin	
9	Cushion ring	Brass	
10	Cushion needle	Rolled steel	Nickel plated
11	Stopper	Carbon steel	Nickel plated
12	Belt separator	Special resin	
13	Coupler	Sintered iron material	
14	Guide roller	Special resin	
15	Guide roller shaft	Stainless steel	
18	Belt clamp	Special resin	
23	Adjusting arm	Aluminum alloy	Chromated
24	Bearing R	Special resin	
25	Bearing L	Special resin	
26	Bearing S	Special resin	

No.	Description	Material	Note
27	Spacer	Stainless steel	
28	Backup spring	Stainless steel	
29	Spring pin	Carbon tool steel	Black zinc chromated
31	Hexagon socket head cap screw	Chromium molybdenum steel	Nickel plated
32	Hexagon socket button head screw	Chromium molybdenum steel	Nickel plated
33	Hexagon socket head set screw	Chromium molybdenum steel	Black zinc chromated/Nickel plated
35	Hexagon socket head taper plug	Carbon steel	Nickel plated
36	Magnet	—	
37	Hexagon socket head set screw	Chromium molybdenum steel	Black zinc chromated
38	Hexagon socket head set screw	Chromium molybdenum steel	Black zinc chromated
40	Hexagon socket head taper plug	Carbon steel	Nickel plated
41	Magnet holder	Special resin	(ø16, ø20)
42	Hexagon socket head cap screw	Chromium molybdenum steel	Nickel plated
43	Type CR retaining ring	Spring steel	
45	Head plate	Aluminum alloy	Hard anodized (ø63)
47	Port cover	Special resin	(ø25 to ø40)
48	Lube retainer	Special resin	(ø16, ø20)

### Replacement Part: Seal Kit

No.	Description	Qty.	MY1M16	MY1M20	MY1M25	MY1M32	MY1M40	MY1M50	MY1M63
16	Seal belt	1	MY16-16A-Stroke	MY20-16A-Stroke	MY25-16A-Stroke	MY32-16A-Stroke	MY40-16A-Stroke	MY50-16A-Stroke	MY63-16A-Stroke
17	Dust seal band	1	MY16-16B-Stroke	MY20-16B-Stroke	MY25-16B-Stroke	MY32-16B-Stroke	MY40-16B-Stroke	MY50-16B-Stroke	MY63-16B-Stroke
34	O-ring	2	ø4 x ø1.8 x ø1.1	ø5.1 x ø3 x ø1.05	ø5.1 x ø3 x ø1.05	ø7.15 x ø3.75 x ø1.7	ø8.3 x ø4.5 x ø1.9	C4	C4
44	Side scraper	2						MYM50-15CK0502B	MYM63-15CK0503B
19	Scraper	2							
20	Piston seal	2							
21	Cushion seal	2	MY1M16-PS	MY1M20-PS	MY1M25-PS	MY1M32-PS	MY1M40-PS	MY1M50-PS	MY1M63-PS
22	Tube gasket	2							
39	O-ring	4							

\* Seal kit includes 19, 20, 21, 22 and 39. Order the seal kit based on each bore size.

\* Seal kit includes a grease pack (10 g).

When 16 and 17 are shipped independently, a grease pack is included. (10 g per 1000 strokes)

Order with the following part number when only the grease pack is needed.

**Grease pack part number: GR-S-010** (10 g), **GR-S-020** (20 g)

Note) Two kinds of dust seal bands are available. Verify the type to use, since the part number varies depending on the treatment of the hexagon socket head set screw 33.

A: Black zinc chromated → MY□□-16B-stroke, B: Nickel plated → MY□□-16BW-stroke

MY1B

MY1M

MY1C

MY1H

MY1HT

MY1□W

MY2C

MY2H□

MY3A

MY3B

MY3M

D-□

-X□

Individual

-X□

Technical data