

# Mechanically Jointed Rodless Cylinder with Protective Cover Slide Bearing Guide Type/Cam Follower Guide Type

## Series MY1□W

ø16, ø20, ø25, ø32, ø40, ø50, ø63

### How to Order

**MY1** **M** **W** **K** **25** **300** **Y7BW**

**Guide type**

M	Slide bearing type
C	Cam follower guide type

**With protective cover**

**Side seal** Note)

Nil	None
K	With side seal

Note) Cylinders with side seal are available for ø16 to ø40.

**Bore size (mm)**

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

**Stroke**

Refer to "Standard Stroke" on page 8-12-15.

**Piping**

Nil	Standard type
G	Centralized piping type

**Auto switch type**

Nil	Without auto switch
-----	---------------------

\* For the applicable auto switch model, refer to the table below.

**Number of auto switches**

Nil	2 pcs
S	1 pcs
n	"n" pcs

**Suffix for stroke adjusting unit** Note)

Nil	Both ends
S	One end

Note) "S" is available when stroke adjusting units are A and L.

**Stroke adjusting unit**

Nil	Without adjusting unit
A	With adjusting bolt
L	With low load shock absorber + Adjusting bolt
AL	With one A unit and one L unit

#### Shock Absorbers for L Unit

Unit no.	Bore size (mm)						
	16	20	25	32	40	50	63
<b>L unit</b>	RB0806	RB1007	RB1412			RB2015	

#### Applicable Auto Switch / Refer to page 8-30-1 for further information on auto switches.

##### For ø16, ø20

Type	Special function	Electrical entry	Indicator light	Wiring (Output)	Load voltage			Auto switch model		Lead wire length (m)*			Pre-wire connector	Applicable load
					DC	AC		Perpendicular	In-line	0.5 (Nil)	3 (L)	5 (Z)		
Reed switch	—	Grommet	Yes	3-wire (NPN equivalent)	—	5 V	—	<b>A96V</b>	<b>A96</b>	●	●	—	—	IC circuit
				2-wire	24 V	12 V	100 V	<b>A93V</b>	<b>A93</b>	●	●	—	—	—
Solid state switch	—	Grommet	Yes	3-wire (NPN)	24 V	5 V, 12 V	—	<b>M9NV</b>	<b>M9N</b>	●	●	○	○	IC circuit
				3-wire (PNP)				<b>M9PV</b>	<b>M9P</b>	●	●	○	○	—
				2-wire				<b>M9BV</b>	<b>M9B</b>	●	●	○	○	—
				3-wire (NPN)				<b>F9NWV</b>	<b>F9NW</b>	●	●	○	○	IC circuit
				3-wire (PNP)				<b>F9PWV</b>	<b>F9PW</b>	●	●	○	○	—
				2-wire				<b>F9BWV</b>	<b>F9BW</b>	●	●	○	○	—
Solid state switch	Diagnostic indication (2-color indication)	Grommet	Yes	3-wire (NPN)	24 V	5 V, 12 V	—	<b>Y69A</b>	<b>Y59A</b>	●	●	○	○	IC circuit
				3-wire (PNP)				<b>Y7PV</b>	<b>Y7P</b>	●	●	○	○	—
				2-wire				<b>Y69B</b>	<b>Y59B</b>	●	●	○	○	—
				3-wire (NPN)				<b>Y7NWV</b>	<b>Y7NW</b>	●	●	○	○	IC circuit
				3-wire (PNP)				<b>Y7PWV</b>	<b>Y7PW</b>	●	●	○	○	—
				2-wire				<b>Y7BWV</b>	<b>Y7BW</b>	●	●	○	○	—
Solid state switch	Water resistant (2-color indication)	Grommet	Yes	2-wire	12 V	—	—	<b>Y7BAL</b> <sup>(2)</sup>		●	●	○	○	—
				2-wire						●	●	○	○	—

##### For ø25, ø32, ø40, ø50, ø63

Type	Special function	Electrical entry	Indicator light	Wiring (Output)	Load voltage			Auto switch model		Lead wire length (m)*			Pre-wire connector	Applicable load
					DC	AC		Perpendicular (1)	In-line	0.5 (Nil)	3 (L)	5 (Z)		
Reed switch	—	Grommet	Yes	3-wire (NPN equivalent)	—	5 V	—	—	<b>Z76</b>	●	●	—	—	IC circuit
				2-wire	24 V	12 V	100 V	—	<b>Z73</b>	●	●	●	—	—
Solid state switch	—	Grommet	Yes	3-wire (NPN)	24 V	5 V, 12 V	—	<b>Y69A</b>	<b>Y59A</b>	●	●	○	○	IC circuit
				3-wire (PNP)				<b>Y7PV</b>	<b>Y7P</b>	●	●	○	○	—
				2-wire				<b>Y69B</b>	<b>Y59B</b>	●	●	○	○	—
				3-wire (NPN)				<b>Y7NWV</b>	<b>Y7NW</b>	●	●	○	○	IC circuit
				3-wire (PNP)				<b>Y7PWV</b>	<b>Y7PW</b>	●	●	○	○	—
				2-wire				<b>Y7BWV</b>	<b>Y7BW</b>	●	●	○	○	—
Solid state switch	Water resistant (2-color indication)	Grommet	Yes	2-wire	12 V	—	—	<b>Y7BAL</b> <sup>(2)</sup>		●	●	○	○	—
				2-wire						●	●	○	○	—

\* Lead wire length symbols: 0.5 m.....Nil (Example) A93  
3 m.....L (Example) Y59BL  
5 m.....Z (Example) F9NWZ

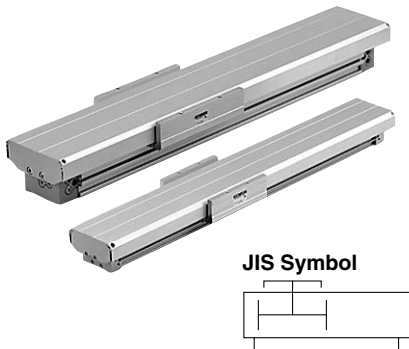
\* Solid state switches marked with "○" are produced upon receipt of order.  
Note 1) Perpendicular electrical entry is not available for ø50 and ø63.  
Note 2) Water resistant switches are not available for ø50 and ø63.

Refer to page 8-12-24 for details on other applicable auto switches than listed above.

• For details about auto switches with pre-wire connector, refer to page 8-30-52.

# Mechanically Jointed Rodless Cylinder With Protective Cover Series MY1□W

## Specifications



Bore size (mm)		16	20	25	32	40	50	63
Fluid	Air							
Action	Double acting							
Operating pressure range	MY1MW: 0.15 to 0.8 MPa; MY1CW: 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 <sup>+1.8</sup> <sub>0</sub> 1001 to 3000 <sup>+2.8</sup> <sub>0</sub>		2700 or less <sup>+1.8</sup> <sub>0</sub> ; 2701 to 5000 <sup>+2.8</sup> <sub>0</sub>					
Piping port size	Front/Side port	M5 x 0.8			Rc 1/8	Rc 1/4	Rc 3/8	
	Bottom port (Centralized piping type only)	ø4			ø5	ø6	ø8	ø10

## Stroke Adjusting Unit Specifications

Bore size (mm)	16		20		25		32		40		50		63	
	A	L	A	L	A	L	A	L	A	L	A	L	A	L
Configuration	With adjusting bolt	RB 0806 with adjusting bolt	With adjusting bolt	RB 0806 with adjusting bolt	With adjusting bolt	RB 1007 with adjusting bolt	With adjusting bolt	RB 1412 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
Shock absorber model														
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".													

## Shock Absorber Specifications

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

## 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 <sup>(1)</sup>
	L unit	100 to 1500 mm/s <sup>(2)</sup>

Note 1) The air cushion capacity will be reduced when the stroke adjustment range is increased by the adjusting bolt. When exceeding the air cushion stroke ranges on page 8-12-10, 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 8-12-10.

## Made to Order Specifications (For details, refer to page 8-31-1.)

Symbol	Specifications
-XB11	Long stroke
-XC67	NBR rubber lining in dust seal band
-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, 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. For details, refer to the "Made to Order Specifications" on page 8-31-1.

# Series MY1□W

## Theoretical Output

Bore size (mm)	Piston area (mm <sup>2</sup> )	Operating pressure (MPa)						
		0.2	0.3	0.4	0.5	0.6	0.7	0.8
16	200	40	60	80	100	120	140	160
20	314	62	94	125	157	188	219	251
25	490	98	147	196	245	294	343	392
32	804	161	241	322	402	483	563	643
40	1256	251	377	502	628	754	879	1005
50	1962	392	588	784	981	1177	1373	1569
63	3115	623	934	1246	1557	1869	2180	2492

(N)

## Weight

Bore size (mm)	MY1MW		MY1CW		Side support weight (per set)	Stroke adjusting unit weight (per unit)	
	Basic weight	Additional weight per each 50mm of stroke	Basic weight	Additional weight per each 50mm of stroke	Type A and B	A unit weight	L unit weight
16	1.25	0.16	1.25	0.16	0.01	0.03	0.04
20	1.90	0.19	1.85	0.18	0.02	0.04	0.05
25	2.56	0.28	2.50	0.28	0.02	0.07	0.11
32	4.75	0.43	4.62	0.42	0.04	0.14	0.23
40	7.79	0.61	7.51	0.57	0.08	0.25	0.34
50	13.53	0.83	13.61	0.82	0.08	0.36	0.51
63	21.84	1.18	21.94	1.17	0.17	0.68	0.83

(kg)

Calculation: (Example) MY1MW25-300A

- Basic weight ..... 2.56 kg
- Additional weight ..... 0.28 kg per 50 st
- Weight of A unit ..... 0.07 kg
- Cylinder stroke.....300 st
- $2.56 + 0.28 \times 300 \div 50 + 0.07 \times 2 \cong 4.38$  kg

## Option

### Stroke Adjusting Unit Part No.

Bore size (mm) Unit no.	16	20	25	32	40	50	63
A unit	MYM-A16A	MYM-A20A	MYM-A25A	MYM-A32A	MYM-A40A	MYM-A50A	MYM-A63A
L unit	MYM-A16L	MYM-A20L	MYM-A25L	MYM-A32L	MYM-A40L	MYM-A50L	MYM-A63L

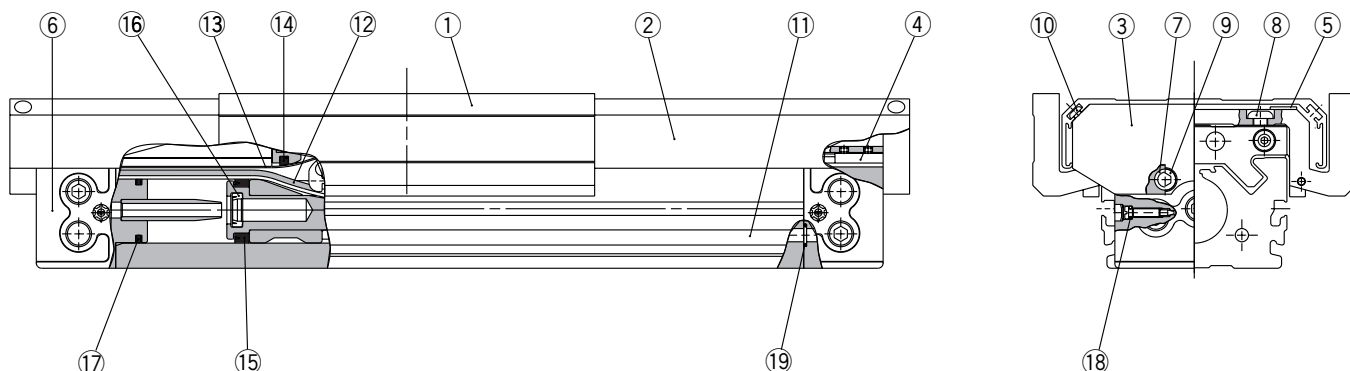
### Side Support Part No.

Bore size (mm) Type	16	20	25	32	40	50	63
Side support A	MY-S16A	MY-S20A	MY-S25A	MY-S32A	MY-S40A		MY-S63A
Side support B	MY-S16B	MY-S20B	MY-S25B	MY-S32B	MY-S40B		MY-S63B

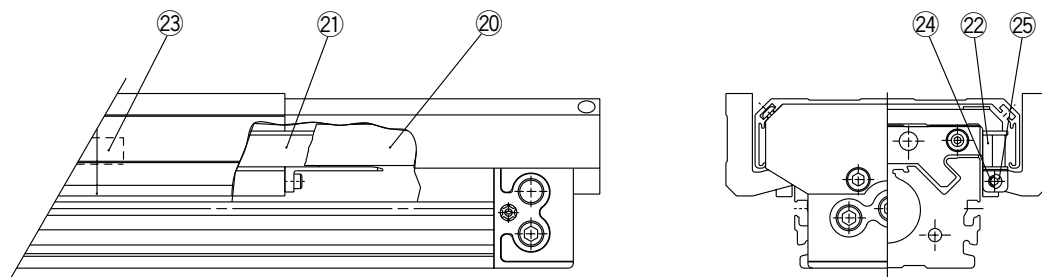
For detailed dimensions, refer to page 8-12-22.

## Construction

### MY1□W



### MY1□WK with side seal



MX□

MTS

MY□

CY□

MG□

CX□

D-

-X

20-

Data

## Component Parts

No.	Description	Material	Note	ø16	ø20	ø25	ø32	ø40	ø50	ø63
①	Slide table	Aluminum alloy	Hard anodized							
②	Cover	Aluminum alloy	Hard anodized							
③	End plate	Aluminum alloy	Hard anodized							
④	Belt clamp	Special resin								
⑤	Slide plate	Special resin								
⑥	Port cover	Special resin	(ø25 to ø40)							
⑦	Spacer	Stainless steel	(ø25 to ø40)							
⑧	Hexagon socket button head screw	Chromium molybdenum steel	Nickel plated							
⑨	Hexagon socket head cap screw	Chromium molybdenum steel	Nickel plated							
⑩	Hexagon socket button head screw	Chromium molybdenum steel	Nickel plated							
⑪	Rodless cylinder	—	MY1M/MY1C							
⑫	Seal guide A	Special resin								
⑬	Seal guide B	Special resin								
⑭	Slide plate	Special resin								
⑮	Spacer	Stainless steel								
⑯	Hexagon socket head cap screw	Chromium molybdenum steel	Nickel plated							

## Seal List

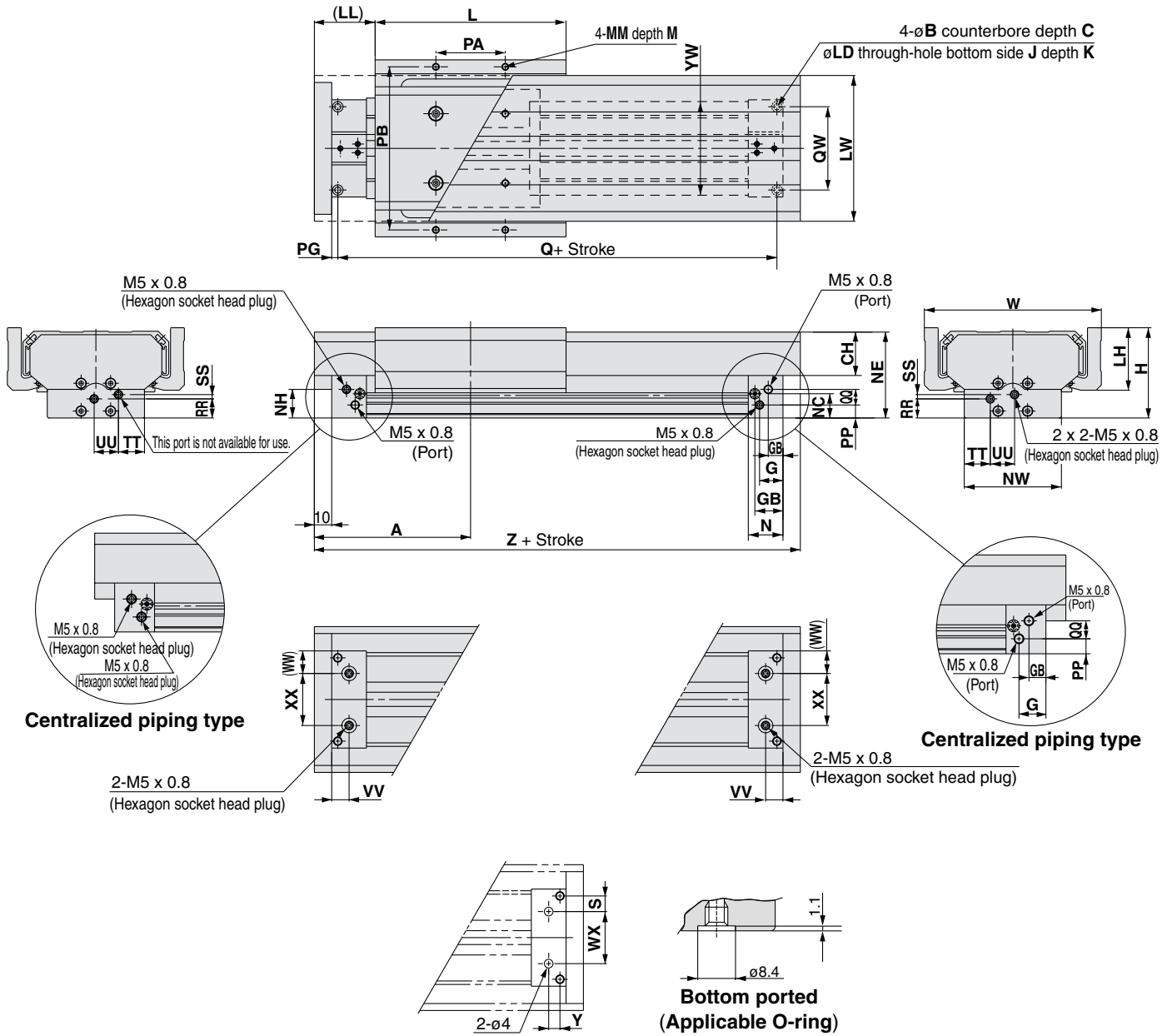
No.	Description	Material	Qty.	ø16	ø20	ø25	ø32	ø40	ø50	ø63
⑫	Seal belt	Special resin	1	MY16-16A-Stroke	MY20-16A-Stroke	MY25-16A-Stroke	MY32-16A-Stroke	MY40-16A-Stroke	MY50-16A-Stroke	MY63-16A-Stroke
⑬	Dust seal band	Stainless steel	1	MY16-16B-Stroke	MY20-16B-Stroke	MY25-16B-Stroke	MY32-16B-Stroke	MY40-16B-Stroke	MY50-16B-Stroke	MY63-16B-Stroke
⑭	Scraper	NBR	2	MYM16-15AK0500	MYM20-15AK0501	MYM25-15AA5903	MYM32-15AA5904	MYM40-15AA5905	MYM50-15AK0502	MYM63-15AK0503
⑮	Piston seal	NBR	2	GMY16	GMY20	GMY25	GMY32	GMY40	GMY50	GMY63
⑯	Cushion seal	NBR	2	MYB16-15-A7163	MYB20-15-A7164	RCS-8	RCS-10	RCS-12	MC-16	MC-20
⑰	Tube gasket	NBR	2	P12	P16	TMY-25	TMY-32	TMY-40	P44	P53
⑱	O-ring	NBR	2	ø4 x ø1.8 x ø1.1	ø5.1 x ø3 x ø1.05	ø7.15 x ø3.75 x ø1.7	ø8.3 x ø4.5 x ø1.9	C-4	C-4	C-4
⑲	O-ring	NBR	4	ø7 x ø4 x ø1.5	ø7 x ø4 x ø1.5	C-6	C-7	C-9	C-11.2	C-14
⑳	Side seal assembly	Polyurethane	2	MYMK-16-Stroke	MYMK-20-Stroke	MYMK-25-Stroke	MYMK-32-Stroke	MYMK-40-Stroke	—	—

Note) Two types 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.

A Black zinc chromated → MY□□-16B-Stroke B Nickel plated → MY□□-16BW-Stroke

# Series MY1□W

Dimensions:  $\phi 16, \phi 20$



Bore size (mm)	A	B	C	CH	G	GA	GB	H	J	K	L	LD	LH	LL	LW	M	MM	N	NC	NE	NH	NW
16	90	6.0	3.5	25	13.5	8.5	16.2	52	M5 x 0.8	10	110	3.6	38	35	84	6.0	M4 x 0.7	20	14	49.5	16.5	56
20	110	7.5	4.5	26	12.5	—	20.0	58	M6 x 1	12	130	4.8	39	45	88	7.5	M5 x 0.8	25	17	55.5	21.7	60
Bore size (mm)	PA	PB	PG	PP	Q	QQ	QW	RR	SS	TT	UU	VV	W	WW	YW	Z						
16	40	94	3.5	7.5	153	9	48	11.0	2.5	15	14	10.0	102	13	54	180						
20	50	100	4.5	11.5	191	10	45	14.5	5.0	18	12	12.5	110	14	58	220						

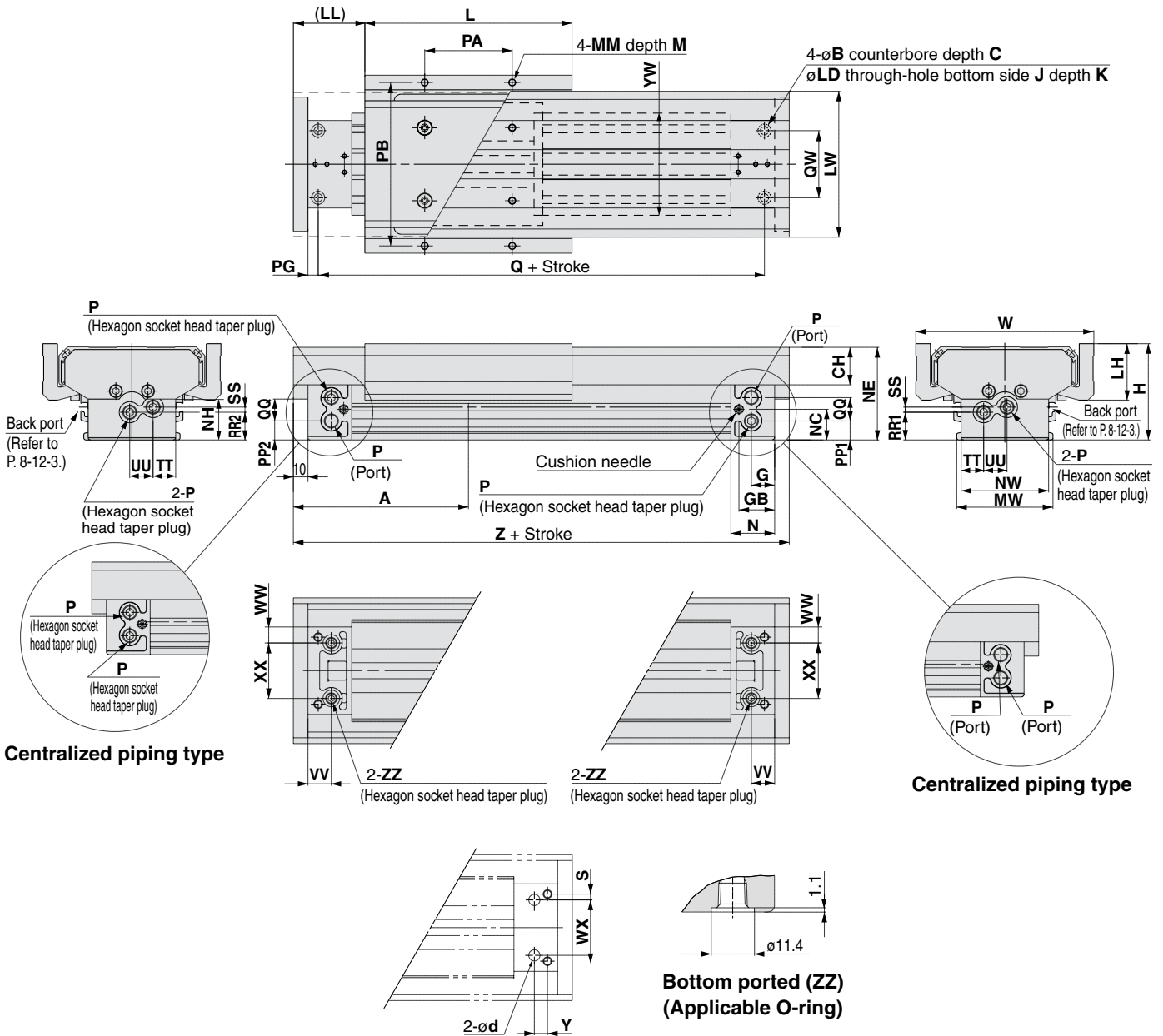
## Hole Size for Centralized Piping on the Bottom

(Mounting side should be machined to these dimensions.)

Bore size (mm)	S	WX	Y	Applicable O-ring
16	9	30	6.5	C6
20	6.5	32	8	C6

# Mechanically Jointed Rodless Cylinder With Protective Cover Series MY1□W

Dimensions:  $\phi 25$ ,  $\phi 32$ ,  $\phi 40$



Bore size (mm)	A	B	C	CH	G	GB	H	J	K	L	LD	LH	LL	LW	M	MM	MW	N	NC	NE	NH	NW
25	120	9	5.5	25.7	17	24.5	66	M6 x 1	9.5	142	5.6	38.7	49	100	10	M5 x 0.8	66	30	21	64	28	60
32	150	11	6.5	31.5	19	30.0	82	M8 x 1.25	16.0	172	6.8	44.2	64	122	13	M6 x 1	80	37	26	80	37	74
40	180	14	8.5	34.8	23	36.5	98	M10 x 1.5	15.0	202	8.6	47.2	79	138	13	M6 x 1	96	45	32	96	48	94

Bore size (mm)	PA	PB	PG	PP1	PP2	Q	QQ	QW	RR1	RR2	SS	TT	UU	VV	W	WW	YW	Z
25	60	112	7	12.7	12.7	206	16	46	18.9	17.9	5.1	15.5	16	16	122	11	70	240
32	80	134	8	15.5	18.5	264	16	60	22.0	24.0	4.0	21.0	16	19	144	13	88	300
40	100	150	9	17.5	20.0	322	26	72	25.5	29.0	9.0	26.0	21	23	160	20	104	360

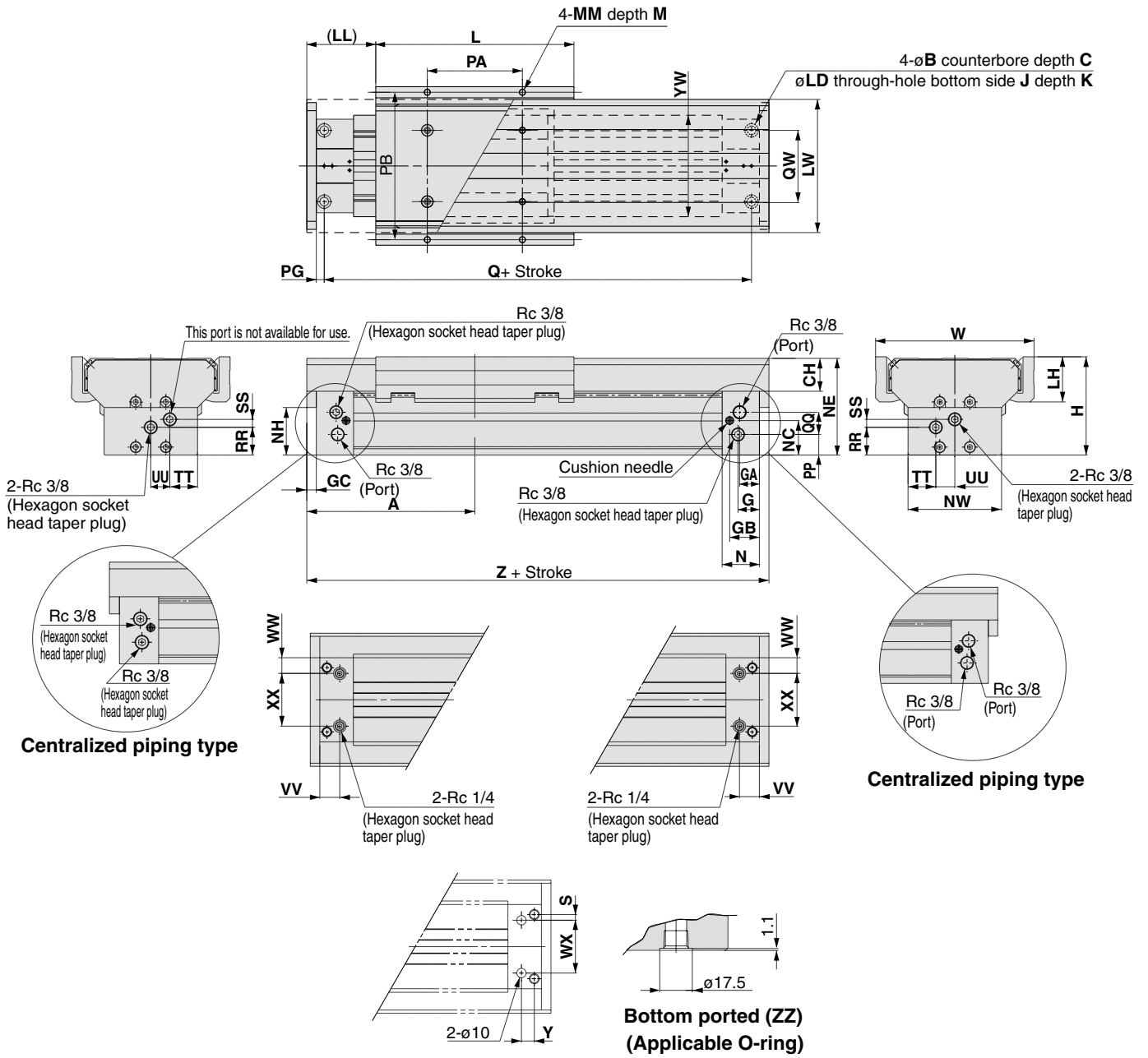
## Hole Size for Centralized Piping on the Bottom

(Mounting side should be machined to these dimensions.)

Bore size (mm)	D	d	WX	Y	S	Applicable O-ring
25	11.4	6	38	9	4	C9
32	11.4	6	48	11	6	C9
40	13.4	8	54	14	9	C11.2

# Series MY1□W

Dimensions:  $\varnothing 50, \varnothing 63$



Bore size (mm)	A	B	C	CH	G	GA	GB	GC	H	J	K	L	LD	LH	LL	LW	M	MM	N	NC	NE	NH
50	212	17	10.5	41.5	27.0	25.0	37.5	12	124	M14 x 2	28	250	11	57	87	168	15	M8 x 1.25	47	44	122	60
63	245	19	12.5	47.0	29.5	27.5	39.5	15	149	M16 x 2	32	290	14	65	100	200	16	M10 x 1.25	50	60	147	70
Bore size (mm)	NW	PA	PB	PG	PP	Q	QQ	QW	RR	SS	TT	UU	VV	W	WW	YW	Z					
50	118	120	186	10	26	380	28	90	35	10	35	24	28	200	22	128	424					
63	142	140	220	12	42	436	30	110	49	13	43	28	30	236	25	152	490					

## Hole Size for Centralized Piping on the Bottom

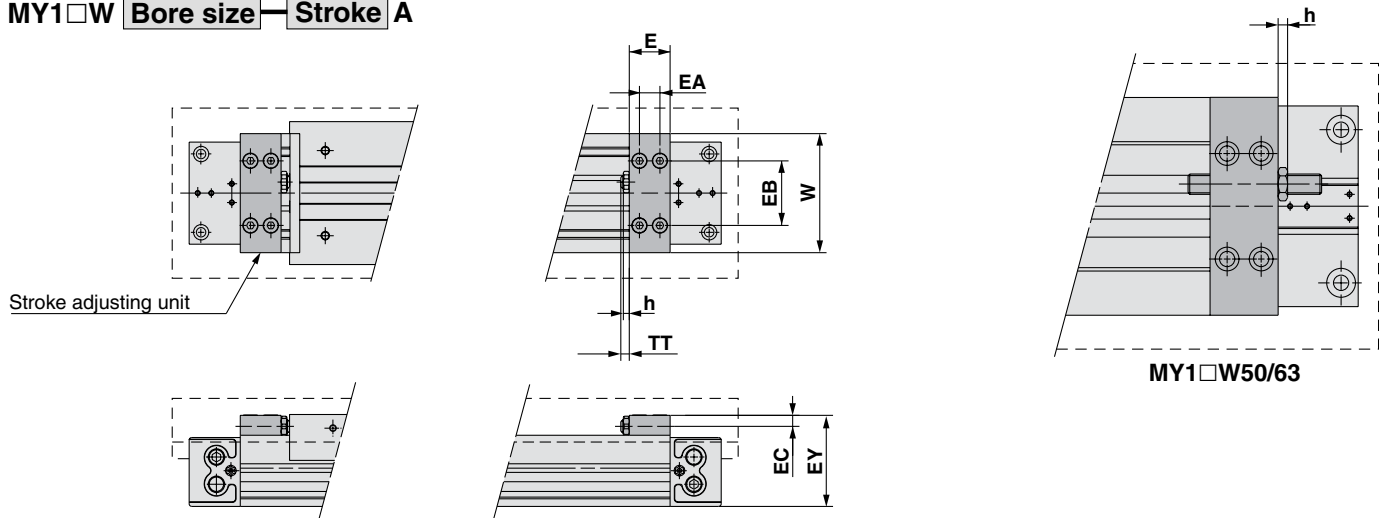
(Mounting side should be machined to these dimensions.)

Bore size (mm)	S	WX	Y	Applicable O-ring
50	8	74	18	C15
63	9	92	18	C15

**Stroke Adjusting Unit**

With adjusting bolt

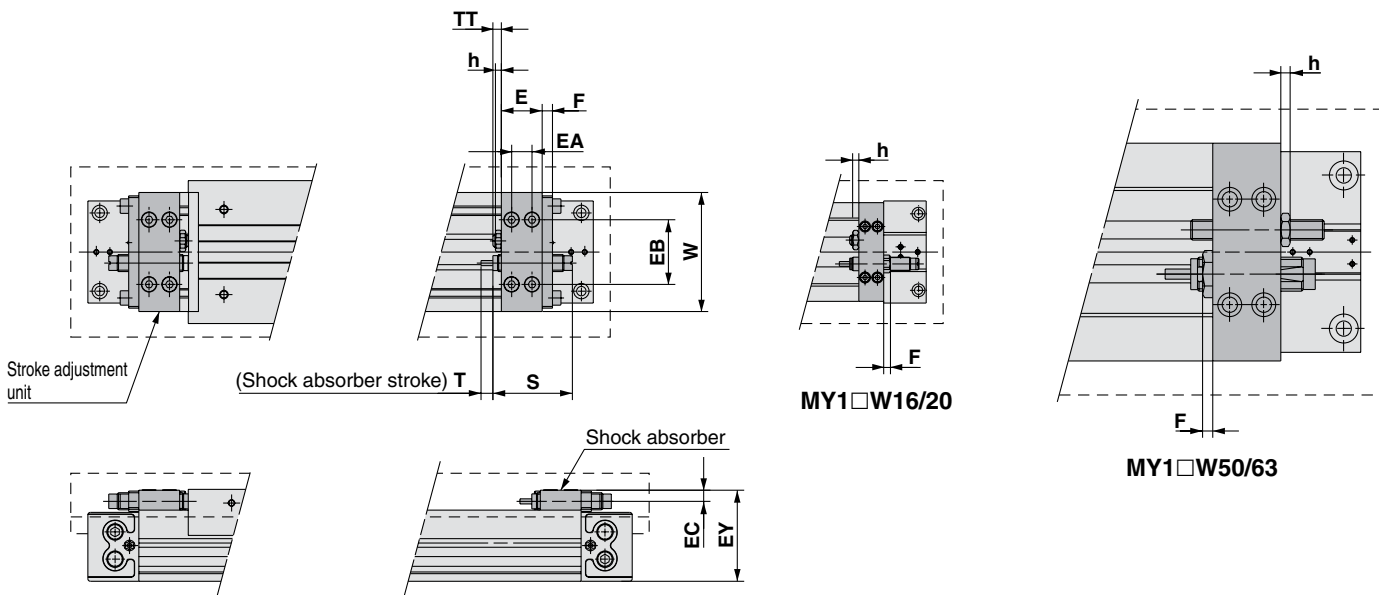
MY1□W Bore size — Stroke **A**



Model	E	EA	EB	EC	EY	FC	h	TT	W
MY1□W16	14.6	7	30	5.8	39.5	14	3.6	5.4 (Max. 11)	58
MY1□W20	20	10	32	5.8	45.5	14	3.6	5 (Max. 11)	58
MY1□W25	24	12	38	6.5	53.5	13	3.5	5 (Max. 16.5)	70
MY1□W32	29	14	50	8.5	67	17	4.5	8 (Max. 20)	88
MY1□W40	35	17	57	10	83	17	4.5	9 (Max. 25)	104
MY1□W50	40	20	66	14	106	26	5.5	13 (Max. 33)	128
MY1□W63	52	26	77	14	129	31	5.5	13 (Max. 38)	152

With low load shock absorber + Adjusting bolt

MY1□W Bore size — Stroke **L**



Model	E	EA	EB	EC	EY	F	FB	FC	FH	FW	h	S	T	TT	W	Shock absorber model
MY1□W16	14.6	7	30	5.8	39.5	4	—	14	—	—	3.6	40.8	6	5.4 (Max. 11)	58	RB0806
MY1□W20	20	10	32	5.8	45.5	4	—	14	—	—	3.6	40.8	6	5 (Max. 11)	58	RB0806
MY1□W25	24	12	38	6.5	53.5	6	54	13	13	66	3.5	46.7	7	5 (Max. 16.5)	70	RB1007
MY1□W32	29	14	50	8.5	67	6	67	17	16	80	4.5	67.3	12	8 (Max. 20)	88	RB1412
MY1□W40	35	17	57	10	83	6	78	17	17.5	91	4.5	67.3	12	9 (Max. 25)	104	RB1412
MY1□W50	40	20	66	14	106	6	—	26	—	—	5.5	73.2	15	13 (Max. 33)	128	RB2015
MY1□W63	52	26	77	14	129	6	—	31	—	—	5.5	73.2	15	13 (Max. 38)	152	RB2015

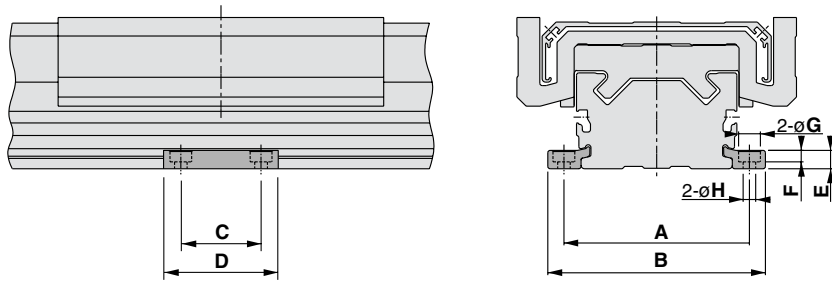
- MX□
- MTS
- MY□**
- CY□
- MG□
- CX□
- D-
- X
- 20-
- Data



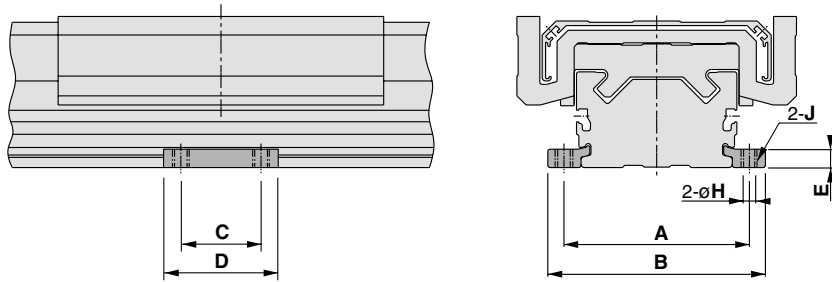
# Series MY1□W

## Side Support

### Side support A MY-S□A



### Side support B MY-S□B

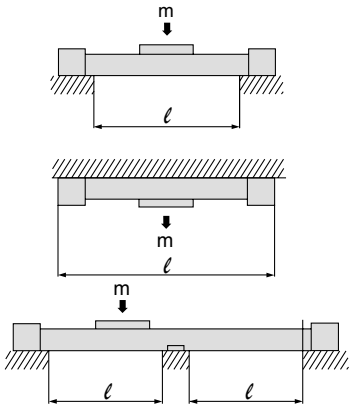


(mm)

Model	Applicable bore size	A	B	C	D	E	F	G	H	J
MY-S16 <sup>△</sup>	MY1□W16	61	71.6	15	26	4.9	3	6.5	3.4	M4 x 0.7
MY-S20 <sup>△</sup>	MY1□W20	67	79.6	25	38	6.4	4	8	4.5	M5 x 0.8
MY-S25 <sup>△</sup>	MY1□W25	81	95	35	50	8	5	9.5	5.5	M6 x 1
MY-S32 <sup>△</sup>	MY1□W32	100	118	45	64	11.7	6	11	6.6	M8 x 1.25
MY-S40 <sup>△</sup>	MY1□W40	120	142	55	80	14.8	8.5	14	9	M10 x 1.5
	MY1□W50	142	164							
MY-S63 <sup>△</sup>	MY1□W63	172	202	70	100	18.3	10.5	17.5	11.5	M12 x 1.75

## Guide for Side Support Application

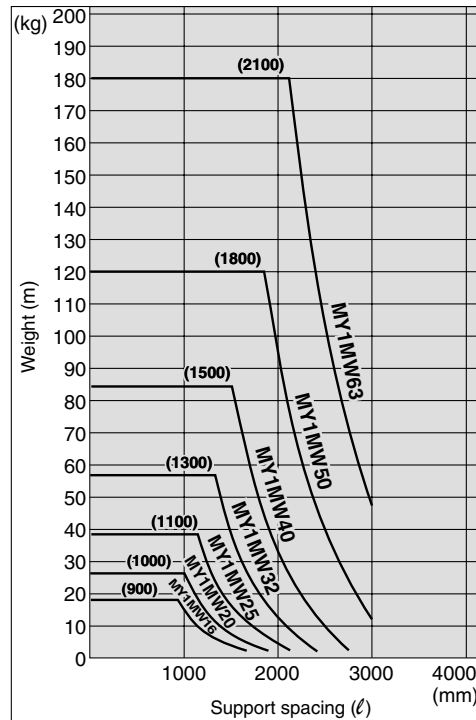
For long stroke operation, the cylinder tube may be deflected depending on its own weight and the load weight. In such a case, use a side support in the middle section. The spacing ( $\ell$ ) of the support must be no more than the values shown in the graph on the right.



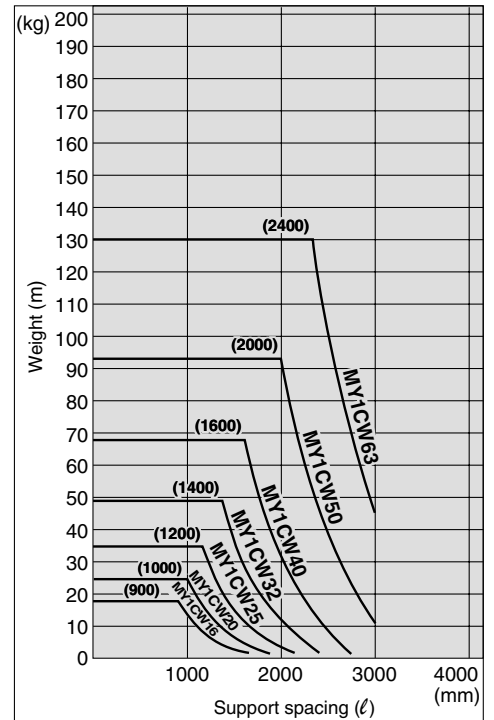
### ⚠ Caution

1. If the cylinder mounting surfaces are not measured accurately, using a side support may cause poor operation. Therefore, be sure to level the cylinder tube when mounting. Also, for long stroke operation involving vibration and impact, use of a side support is recommended even if the spacing value is within the allowable limits shown in the graph.
2. Support brackets are not for mounting; use them solely for providing support.

MY1MW



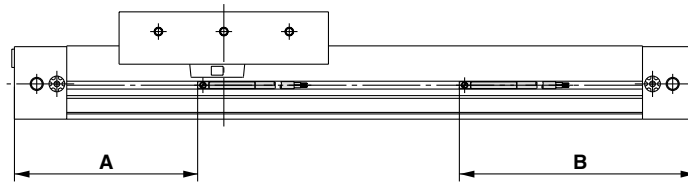
MY1CW



### Proper Auto Switch Mounting Position (Detection at stroke end)

Note) The operating range is a guide including hysteresis, but is not guaranteed.  
There may be varied substantially depending on the surrounding environment (Assuming approximately 30% dispersion).

#### MY1CW16/20 MY1MW16/20



#### Reed Switch

**D-A90(V), D-A93(V), D-A96(V)** (mm)

Mounting position	ø16	ø20
<b>A</b>	70	90
<b>B</b>	90	110
Operating range <small>Note)</small>	11	7.5

#### Solid State Switch

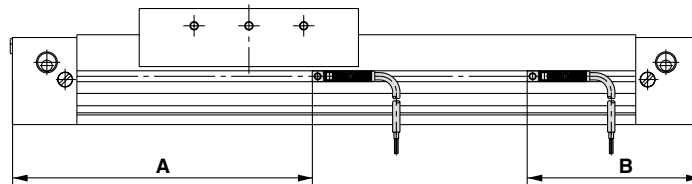
**D-M9N(V), D-M9P(V), D-M9B(V)**

Mounting position	ø16	ø20
<b>A</b>	74	94
<b>B</b>	86	106
Operating range <small>Note)</small>	6.5	7

**D-F9NW(V), D-F9PW(V), D-F9BW(V)**

Mounting position	ø16	ø20
<b>A</b>	73	93
<b>B</b>	87	107
Operating range <small>Note)</small>	8.5	6.5

#### MY1MW25/32/40/50/63



#### Reed Switch

**D-Z73, D-Z76, D-Z80** (mm)

Mounting position	ø25	ø32	ø40	ø50	ø63
<b>A</b>	139.5	184.5	229.5	278.5	323.5
<b>B</b>	80.5	95.5	110.5	121.5	136.5
Operating range <small>Note)</small>	12	12	12	11.5	11.5

#### Solid State Switch

**D-Y59<sub>A</sub>, D-Y69<sub>A</sub>, D-Y7P(V)**  
**D-Y7NW(V), D-Y7PW(V), D-Y7BW(V)**

Mounting position	ø25	ø32	ø40	ø50	ø63
<b>A</b>	139.5	184.5	229.5	278.5	323.5
<b>B</b>	180.5	95.5	110.5	121.5	136.5
Operating range <small>Note)</small>	5	5	5	5.5	5.5

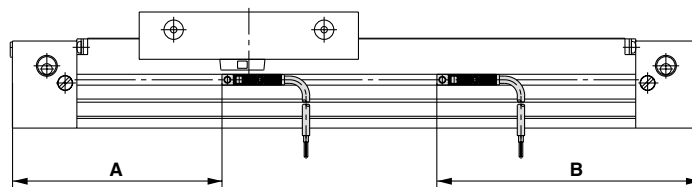
**D-Y7BAL** (mm)

Mounting position	ø25	ø32	ø40
<b>A</b>	139.5	184.5	229.5
<b>B</b>	180.5	95.5	110.5
Operating range <small>Note)</small>	8	8	8

⦿ Perpendicular electrical entry is not available for ø50 and ø63.

( D-Y69A, D-Y69B, D-Y7PV  
D-Y7NWV, D-Y7PWV, D-Y7BWV )

#### MY1CW25/32/40/50/63



#### Reed Switch

**D-Z73, D-Z76, D-Z80** (mm)

Mounting position	ø25	ø32	ø40	ø50	ø63
<b>A</b>	97.5	127.5	157.5	278.5	323.5
<b>B</b>	122.5	152.5	182.5	121.5	136.5
Operating range <small>Note)</small>	12	12	12	11.5	11.5

#### Solid State Switch

**D-Y59<sub>A</sub>, D-Y69<sub>A</sub>, D-Y7P(V)**  
**D-Y7NW(V), D-Y7PW(V), D-Y7BW(V)**

Mounting position	ø25	ø32	ø40	ø50	ø63
<b>A</b>	97.5	127.5	157.5	278.5	323.5
<b>B</b>	122.5	152.5	182.5	121.5	136.5
Operating range <small>Note)</small>	5	5	5	5.5	5.5

**D-Y7BAL** (mm)

Mounting position	ø25	ø32	ø40
<b>A</b>	97.5	127.5	157.5
<b>B</b>	122.5	152.5	182.5
Operating range <small>Note)</small>	8	8	8

⦿ Perpendicular electrical entry is not available for ø50 and ø63.

( D-Y69A, D-Y69B, D-Y7PV  
D-Y7NWV, D-Y7PWV, D-Y7BWV )

MX□

MTS

MY□

CY□

MG□

CX□

D-

-X

20-

Data

## Mounting of Auto Switch & Installation of Lead Wire Cover (ø50, ø63)

### ⚠ Caution

Be sure to install a lead wire cover on the auto switches for size ø50 and ø63 cylinders.

Install a lead wire cover following the procedures provided below to prevent the lead wire from interfering with the slider.

Lead wire cover is packaged together with size ø50 and ø63 cylinders equipped with auto switches.

For ordering the lead wire cover separately, use the following part number:

**MYM63GAR6386-1640** (Length: 2 m)

### 1. Auto switch mounting position

Up to 4 auto switches can be mounted on one side of the cylinder (total of 8 switches on both sides).

When multiple auto switches are used, be sure to use the lead wire groove and pull the lead wires out from the edge of the cylinder. (Bold lines in Fig. (1) indicate lead wires.)

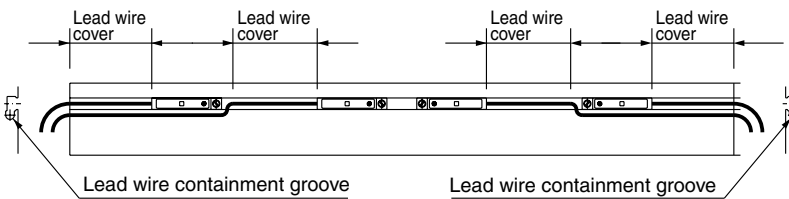


Fig. (1) Auto switch mounting position

### 2. How to mount auto switch/install lead wire cover

- 1) Insert and slide in the auto switch from the side of the cylinder and secure it with the screw provided. (Refer to Fig. (2).)
- 2) Cut the lead wire cover to the desired length using a cutter or tube cutter. (Refer to Fig. (1).)
- 3) First place the lead wires into the lead wire cover. Then, install a lead wire cover onto a cylinder body. (Refer to Fig. (3).)
- 4) Make sure that the lead wires do not interfere with the slide table at any stroke range.

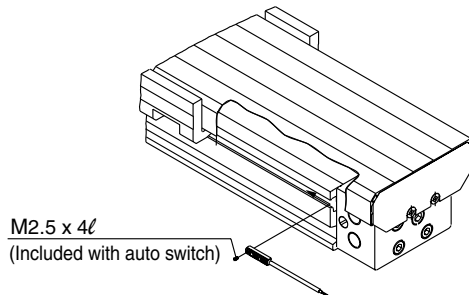


Fig. (2) Auto switch mounting

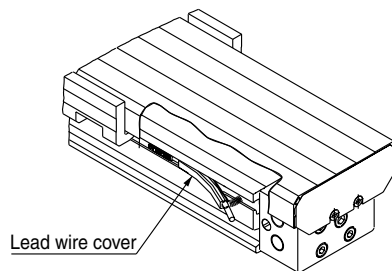


Fig. (3) Installation of lead wire cover

Other than the applicable auto switches listed in “How to Order”, the following auto switches can be mounted. For detailed specifications, refer to page 8-30-1.

Type	Model	Electrical entry (Fetching direction)	Features
Reed switch	D-A90	Grommet (In-line)	Without indicator light
	D-Z80	Grommet (In-line)	

\* Normally closed (NC = b contact), solid state switch (D-F9G/F9H/Y7G/Y7H type) are also available. For details, refer to page 8-30-31 to 8-30-32.

• D-A90 cannot be mounted on Series MY1HT.