

Mechanically Jointed Rodless Cylinder Linear Guide Type

Series *MY2H/HT*

ø16, ø25, ø40

How to Order

Linear Guide Type

MY2 H 16 G - 300 L - M9NW -

Guide type

H	Linear guide, Single axis
HT	Linear guide, Double axis

Bore size

16	16 mm
25	25 mm
40	40 mm

Thread type

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

Piping

G	Centralized piping type (Standard)
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Stroke (mm)

Refer to "Standard Stroke" table.

• **Made to Order**
Refer to page 1106 for details.

Number of auto switches

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

Auto switch type

Nil	Without auto switch (Built-in magnet)
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* Refer to the table below for the applicable auto switch model.

Stroke adjusting unit position

Nil	Both ends
S	One end

* "S" is applicable for stroke adjusting units L and H.

Stroke adjusting unit

Nil	Without adjusting unit
L	With low load shock absorber
H	With high load shock absorber
LH	With one L unit and one H unit each

Shock absorbers for L and H units

Model	Bore size Unit type (mm)	16	25	40
MY2H	L unit	RB0806	RB1007	RB1412
	H unit	RB1007	RB1412	RB2015
MY2HT	L unit	RB1007	RB1412	RB2015
	H unit	RB1412	RB2015	RB2725

Applicable Auto Switch/Refer to pages 1263 to 1371 for the detailed specifications of 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 entry	In-line entry	0.5 (Nil)	1 (M)	3 (L)				5 (Z)
Solid state switch	—	Grommet	Yes	3-wire(NPN)	24V	5V,12V	—	M9NV	M9N	●	●	●	○	○	IC circuit	Relay, PLC
				3-wire(PNP)				M9PV	M9P	●	●	●	○	○		
	2-wire			12V		M9BV		M9B	●	●	●	○	○	IC circuit		
	3-wire(NPN)			5V,12V		M9NWV		M9NW	●	●	●	○	○			
	3-wire(PNP)			12V		M9PWV		M9PW	●	●	●	○	○	—		
	2-wire					M9BWV		M9BW	●	●	●	○	○			
Reed switch	—	Grommet	Yes	3-wire (NPN equiv.)	—	5V	—	A96V	A96	●	—	●	—	—	IC circuit	— Relay, PLC
				2-wire	24V	12V	100 V	A93V	A93	●	—	●	—	—	—	
			100 V or less				A90V	A90	●	—	●	—	—	—	—	

* Lead wire length symbols: 0.5 m..... Nil (Example) M9NW
1 m..... M (Example) M9NWM
3 m..... L (Example) M9NWL
5 m..... Z (Example) M9NWX

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

* Refer to page 1114 for applicable auto switches other than listed above.
* Refer to pages 1328 and 1329 for the details of auto switches with a pre-wired connector.
* Auto switches are shipped together (not assembled).

MY1B

MY1M

MY1C

MY1H

MY1HT

MY1□W

MY2C

MY2H□

MY3A

MY3B

MY3M

D-□

-X□

Individual

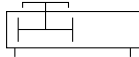
-X□

Technical data

Series MY2H/HT



JIS Symbol



Made to Order Specifications
(Refer to pages 1395 to 1565 for details.)

JIS Symbol	Specification
-XB10	Intermediate stroke (Using exclusive body)
-XB11	Long stroke type
-XB20	Stroke adjusting unit with adjusting bolt
-X168	Helical insert thread
-X416	Holder mounting bracket I
-X417	Holder mounting bracket II

Specifications

Bore size (mm)	16	25	40
Fluid	Air		
Action	Double acting		
Operating pressure range	0.1 to 0.8MPa		
Proof pressure	1.2MPa		
Ambient and fluid temperature	5 to 60°C		
Cushion	Air cushion, Shock absorber		
Lubrication	Not required (Non-lube)		
Stroke length tolerance	+1.8 0		
Port size	M5 x 0.8	Rc 1/8	Rc 1/4

Stroke Adjusting Unit Specifications

Bore size (mm)		16		25		40	
Unit symbol		L	H	L	H	L	H
Shock absorber model	MY2H	RB0806	RB1007	RB1007	RB1412	RB1412	RB2015
	MY2HT	RB1007	RB1412	RB1412	RB2015	RB2015	RB2725
Stroke fine adjusting range (mm)		0 to -5.6		0 to -11.5		0 to -16	
Stroke adjusting range		When exceeding the stroke fine adjusting range: Use the Made to Order Specifications “-X416” and “-X417”. (Refer to page 1554 for details.)					

* Fine stroke adjustment range is applicable for one side when mounted on a cylinder.

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	7	12	15	25
Max. impact speed (mm/s)		1500	1500	1500	1500	1500
Max. operating frequency (cycle/min)		80	70	45	25	10
Spring force (N)	Extended	1.96	4.22	6.86	8.34	8.83
	Compressed	4.22	6.86	15.98	20.50	20.01
Operating temperature range (°C)		5 to 60				

* The shock absorber service life is different from that of the MY2H/HT cylinder depending on operating conditions. Refer to the Specific Product Precautions for the replacement period.

Piston Speed

Bore size (mm)	16	25	40
Without stroke adjusting unit	100 to 1000 mm/s ^{Note 1)}		
Stroke adjusting unit	L unit and H unit	100 to 1500 mm/s	

Note 1) When exceeding the air cushion stroke ranges on page 1094, the **piston speed** should be **100 to 200 mm/s**.

Note 2) Use at a piston speed within the absorption capacity range. Refer to page 1094.

Standard Stroke

Bore size (mm)	Standard stroke (mm) *	Maximum manufacturable stroke (mm)
16	50, 100, 150, 200, 250, 300,	1000
25, 40	350, 400, 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. Refer to the Made to Order Specifications on page 1405.