

Discontinuation of MK(2) series & switchover to new MK(MK-Z) series

Corresponding models:

MK series and MK2 series
(including models derived from specials)

Made-to-order products:

The following 3 made-to-order products will be added in June 2010.

(1) -X2071: Maximum operating pressure of 1.0MPa (only applicable to $\varnothing 63$)

(2) -X2094: Same overall length as that of the JMK2

(3) -X2172

... With rear boss
(equivalent to the body option "F" of the old model)

(4) -X2173

... Rod end width across flats
(equivalent to the body option "M" of the old model)

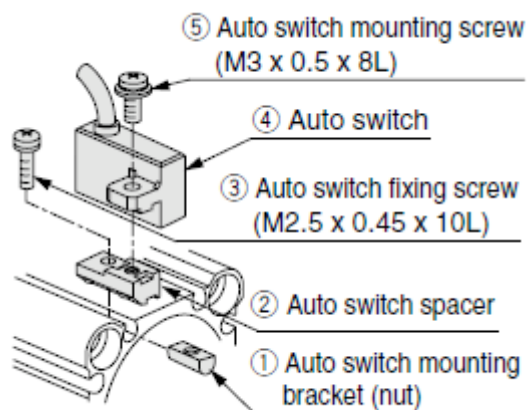
(5) -X2177

... Addition of a positioning hole of $\varnothing 6.3$ in the flange with boss ring

Note: A special combined with "With rear boss" and "Rod end width across flats" is available with -X2172X7173.

Auto switch mounting:

Due to the modification to the cylinder tubing, the auto switch for rail mounting needs the exclusive bracket.

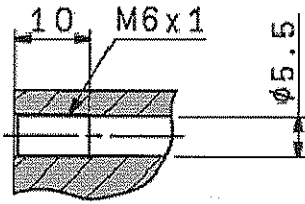
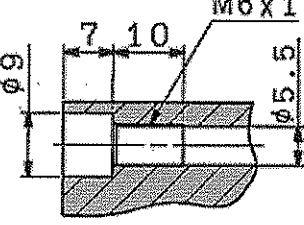
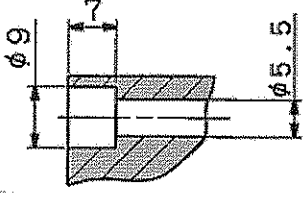


■ Differences between the MK(2) series and New MK series

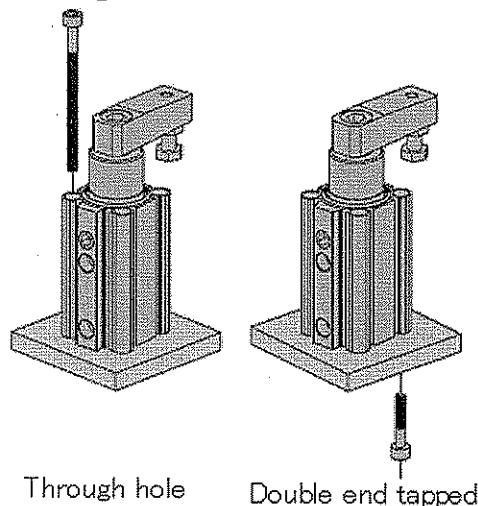
① Mounting brackets

Table 1. Mounting brackets

Current model		New model
MK	MK2	MK-Z
B: Through hole • Double end tapped ($\phi 12, 16$)	B: Through hole • Double end tapped ($\phi 20 \sim 63$)	B: Through hole • Double end tapped ($\phi 12 \sim 63$)
A: Double end tapped	X	X
B: Through hole		
G: Head flange	G: Head flange	G: Head flange

Current model	New model
Double end tapped (MKA)	Through hole Double end tapped (MKB)
Example) MKA40-**-	Example) MKB40-**-Z
	
Through hole (MKB)	Integrated
Example) MKB40-**-	
	

The New MK series allows
2 mounting methods



Note: Due to the modification above to all sizes, the model number for “MKA” will no longer be available.

[Precaution]

Mounting bolts that mount the current MK of Ø20 or larger with double end tapped should be changed for the user when replacing the MK with the new MK.

② Tubing bore sizes & clamp stroke

Table 2. tubing bore sizes

Current model		New model
MK	MK2	MK-Z (new MK)
Ø12	N/A	Ø12
Ø16		Ø16
Ø20	Ø20	Ø20
Ø25	Ø25	Ø25
Ø32	Ø32	Ø32
Ø40	Ø40	Ø40
Ø50	Ø50	Ø50
Ø63	Ø63	Ø63

Table 3. Clamp stroke

Current model		New model
MK	MK2	MK-Z (new MK)
10	10	10
20	20	20
N/A		30
50	50	50

Note: The clamp stroke 50 can be used for bore sizes 32 or larger.

③ Body options

Table 4. Body options

Current model		New model
MK	MK2	MK-Z (new MK)
Nil: Standard (Female thread)	Nil: Standard (Female thread)	Nil: Standard (Female thread)
N: Arm	N: Arm	N: Arm
F: With rear boss	F: With rear boss	N/A
M: Rod end width across flats	N/A	

Note: “With rear boss” and “Rod end width across flats” are available as a special model, instead of the standard model.

Interchangeability between the current and new models

[Cylinder mounting pitch]

The MK-Z is interchangeable with the current MK/MK2.

Note: Some bolt lengths for fixing the MK-Z differ from that of the current model.

[Overall length]

- Current MK *** Interchangeable dimensionally
- Current MK2 *** Not interchangeable dimensionally (The MK-Z is shorter than the MK2 by 10mm at a maximum.)

Note: The overall length of the MK-Z can be designed as long as that of the MK2 as special.

[Piping port position]

Some piping ports for the MK-Z of Ø20 and Ø25 are located on the different body surface on the current model.

[Port size]

The MK-Z is interchangeable with the current models.

[Specifications]

The maximum operating pressure for the MK-Z of Ø63 is 0.6MPa.

The 1.0MPa specification MK-Z of Ø63 is available as special (-X2071).

[Flange]

- The surface treatment will be changed from black zinc chromate to nickel plated.
- A hole of Ø6.3 will no longer be machined. Therefore, the parallel pin of Ø3 will also no longer be used for the MK-Z.

- The boss ring, which is used when the flange is mounted will no longer be used.

Note: The MK-Z of $\varnothing 6.3$ with a boss ring is available as special (-X2177).

For the current MK**~** Black zinc chromate	For the New MK**~**Z Nickel plated
