



SWITCHOVER DOCUMENT

HYB-Z1 Series Hygienic Design Cylinder Round Type

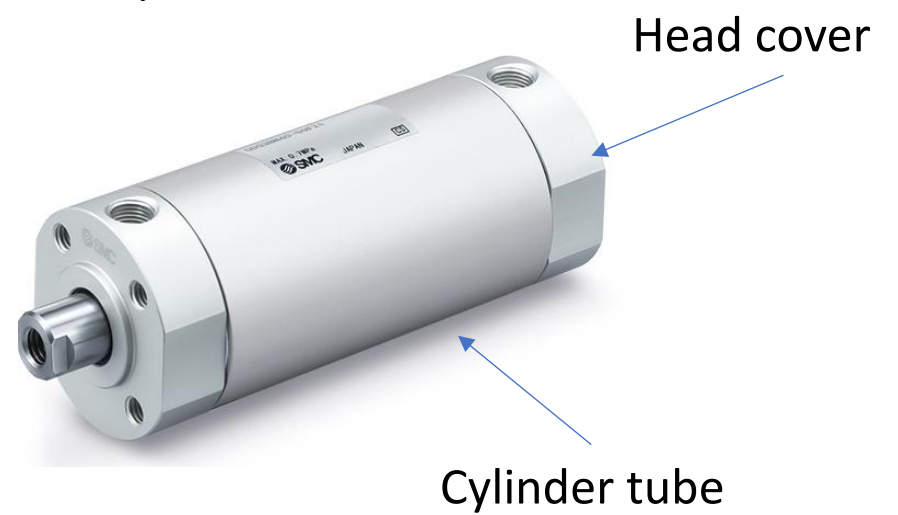
Mounting precautions

- The tube cover structure will be changed to a separate cylinder tube structure with a head cover to ensure stable product supply.
- There will be a hole on the end face of the head cover measuring Ø 32 to Ø 100.

Discontinued product: HYB

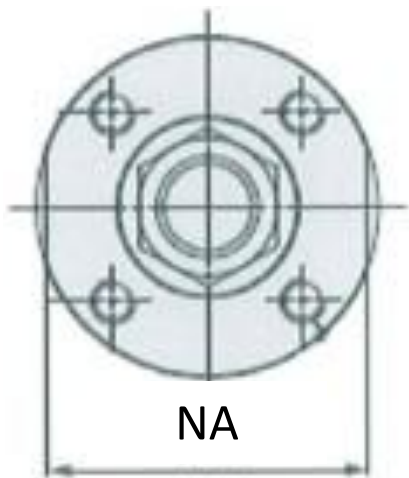


New product: HYB-Z1



Mounting precautions

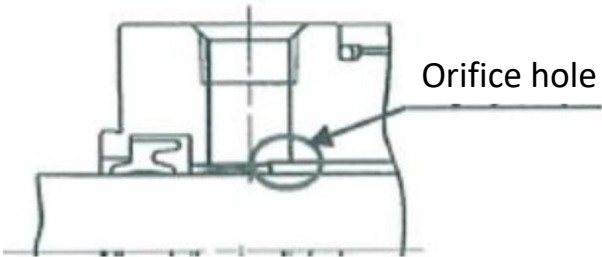
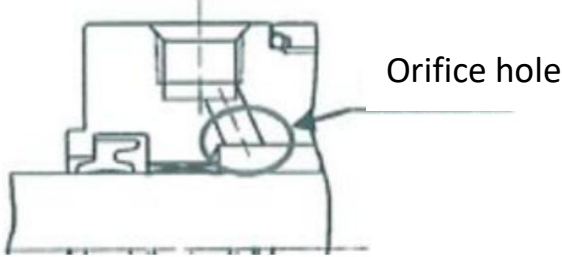
The dimensions of the width across the flat sides of the cover will be changed.
This does not affect the mounting dimensions.



Bore size [mm]	NA [mm]	
	Discontinued product	New product
Ø 20	24	
Ø 25	29	
Ø 32	35.5	
Ø 40	44	
Ø 50	55	
Ø 63	69	
Ø 80	80	86
Ø 100	100	106

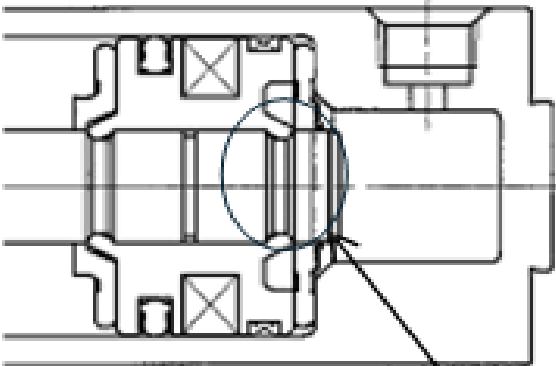
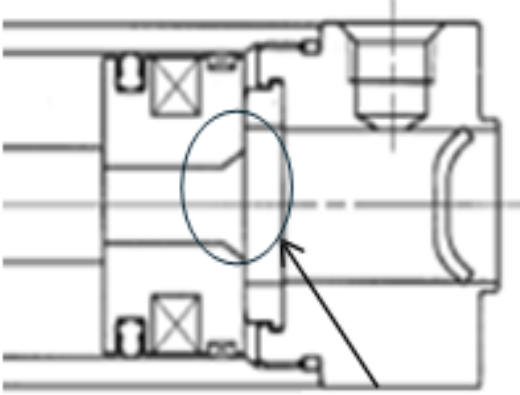
Mounting precautions

- The air passage shape in the rod cover has been adapted. The orifice size is the same for both the old and new models.
- The shape of the extrusion material has been changed to eliminate machining on two sides.

	Pattern 1	Pattern 2
Features	The gap between the Bush and the cover is used to form an orifice.	Orifice hole (side hole, diagonal hole)
Structural diagram		

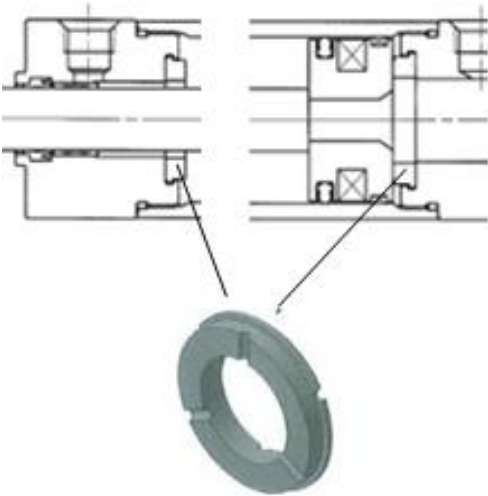
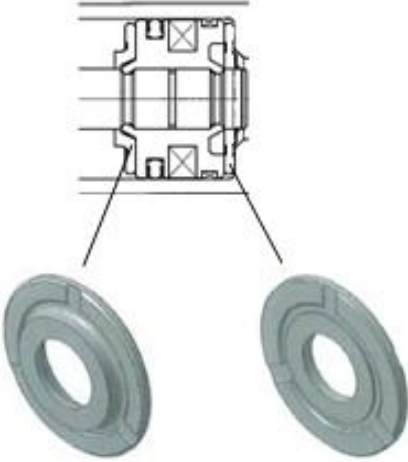
Mounting precautions

- The piston crimping method will be changed. Some product options have a screw-in structure.

	Discontinued product: HYB	New product: HYB-Z1
Piston connection method	The piston side is crimped and secured to the piston rod.	The end of the piston rod is tightened to secure the piston in place.
Structural diagram (rubber cushion)	 Crimping part	 Crimping part

Mounting precautions

- Depending on the production conditions and series, the following two types of damper shapes are used.

	Pattern 1	Pattern 2
Attachment method	Attached to the cover side.	Attached to the piston rod side.
Bumper shape		

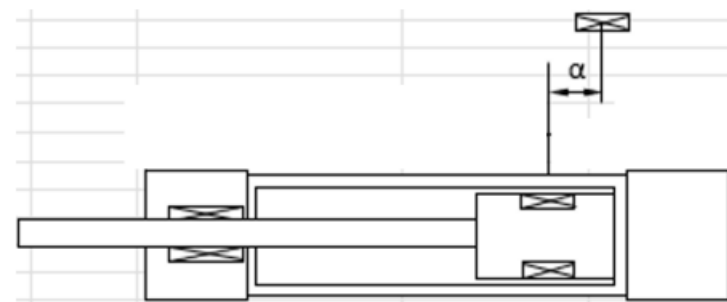
Mounting precautions

- Trademark printing model added:
 - Trademark printing will be added to prevent imitation
 - The trademark printing location may vary depending on the derivative
 - There will be no change in product colour.

Discontinued product: HYB	New product: HYB-Z1
	Trademark marking 

Mounting precautions

- Switch bracket changed
 - The switch bracket is now transparent instead of black
 - The number of parts required for the auto switch mounting area is reduced from 3 to 2
 - The current product has a rubber lining on the back of the mounting band (the side that comes into contact with the cylinder)
- Instead of the rubber lining, the new metal fittings have been changed to a band with a protruding structure that provides the same level of fastening power.
- Given that the auto switch mounting position has been modified due to the change in head cover structure, the magnet centre position will change.



Model	Bore size [mm]	Change amount [mm]
HYB	20	3.5
	25	4
	32	4.5
	40	5.5
	50	6.5
	63	6.5
	80	4.5
	100	7

Mounting precautions

- Changes in maintenance parts. The parking set part number will change.

Model	Discontinued product	New product	Note
HYB	HYB20R-PS	HYB20RZ1-PS	Not compatible
	HYB20H-PS	HYB20HZ1-PS	Not compatible
	HYB25R-PS	HYB25RZ1-PS	Not compatible
	HYB25H-PS	HYB25HZ1-PS	Not compatible
	HYB32R-PS	HYB32RZ1-PS	Not compatible
	HYB32H-PS	HYB32HZ1-PS	Not compatible
	HYB40R-PS	HYB40RZ1-PS	Not compatible
	HYB40H-PS	HYB40HZ1-PS	Not compatible