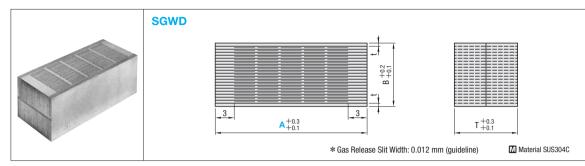
New

Cavity Insert Blocks with Slit Vent



	В	_	Part Number	
	В	1	Туре	Α
0.5	5.5	5	SGWD	12
1	10	10		24



Part Number SGWD24

Fig.1

Side (B)

Fig.2





Slit surface

Side (A)

Slit upper surface

■ Precautions for Processing

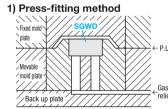
- (1) The four (A)(B) sides can be polished.
- Abrasive residue from polishing entering the vent area may cause blockage.
- (2) Wire cutting and electric discharge are the only available processing for the upper and lower surfaces of the slit. This product is made of layered stainless steel material about 0.2 mm thick. Make sure the surface roughness is about 10 μm under the electric conditions for thin plates, since large sparks may be produced and clogging may occur under the conditions for thick plates.

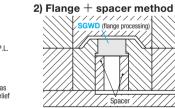
■ How to Mount

- (1) Square up four surfaces
- Since right angles are not provided on the product sides (**Fig. 1** A B surfaces), perform squaring by grinding. \cdots We recommend using additional processing KD.
- (2) Processing of upper and lower slit surfaces (as needed)
- To adjust the shape to match the product part, perform wire cutting or electric discharge on the Fig. 1 upper and lower slit surfaces.
- (3) Assembling into cavity core
 - Assembly methods include 1) press-fitting and 2) flange + spacer. For the flange + spacer method, provide flange processing according to Fig. 2. Milling, wire cutting or grindstone polishing are possible.
- When specifying additional machining FC, the product will be delivered with flange processing provided to the specified dimensions.

■ Maintenance Method

When the gas release effect weakens, wash with an organic solvent, etc. In addition, a vacuum generator (M-VCL, M-VCLH) can be used in combination to support the gas release.





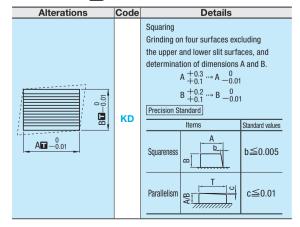






- KD - KD-FC-AC21-HC22.4-TC2.0-TK





Alterations	Code	Details	
10001	TK	Height determination Processing upper and lower slit surfaces, and determination of dimension T. $ \begin{matrix} +0.3 & \cdots & T\pm 0.01 \\ \hline \bullet & 1.0.1 & \cdots & 1.0.01 \end{matrix} $ Must be used with KD	
AC -0.01	FC	Flange processing Flange processing of dimensions A and B. ① Must be used with KD Designation method FC-AC21-HC22.4-TC2.0 Range of designation	
		A AC HC TC	
HC -0.2		12 8 ~ 10 10 ~ 12 1 ~ 2.5	
HC -0.2		24 20 ~ 22 22 ~ 24 2 ~ 5	
		Unit of designation 0.1mm increments	

● The dimensional reference is with the flange + spacer method.

For the press-fitting method, adjust according to the hole tolerance.

**The dimensional reference is with the flange + spacer method.

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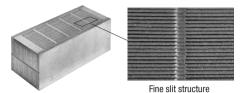
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■ Features

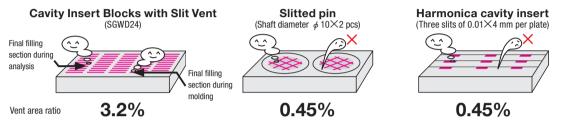
This part is used for gas release, with a fine slit structure made possible by diffusion bonding technology.

It is installed to release gas and residual air from the slit part (approx. 0.012 mm). With multiple slits, it demonstrates high gas releasing performance.



■ Vent is wide enough to handle final filling part misalignment as well

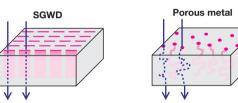
Since slits are arranged on the entire product part contact surface, it can also handle deviation of the final filling position due to minute fluctuations in molding conditions and differences in the resin lot. This greatly increases the efficiency of positioning during designing and condition setting during molding.

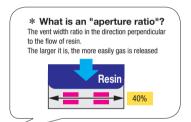


Linear passage makes resin clogging unlikely

Since the gas passage is linear, clogging of resin due to solidification of gas in the middle of the passage is reduced.

This reduces downtime due to maintenance and contributes to the efficiency of the molding cycle.





Equivalent or higher gas release effect at low cost

The installation costs are lower compared to other methods when releasing gas from the same area, and since the aperture ratio (*) is high, it exhibits high gas releasing performance.



