

#### 1. Sensor options and mounting:

Applicable sensors for AQK series are CMSG(DMSG). Those sensors can easily fix on the cylinder as the right figure, other accessories are not needed. Loosen the mounting screws on sensor, import it to mounting groove to the suitable position and it can be fixed after tighten screws.

Also: in the power magnetic environment, you should choose the anti-interference sensor, the specific selection of the reference P302 page.

2. Since the cylinder performs both positioning and clamping simultaneously, any other application may cause an accident or damage to the cylinder.

3. The thickness of clamping workpiece should be under 10mm, the clamping cylinder with shim can clamp up to 12 mm (with all shims removed).

4. Only apply to the workpiece has flat side, do not clamp without setting the workpiece.

5. Please attach a speed controller and adjust the cylinder speed by meter-out.

6. prevent any foreign material ,such as machining chips, from entering into internal cylinder. And the opening part of a guide pin should not face in the same direction as oncoming spatter. If the spatter enters the cylinder from the opening part of the guide pin, it will shorten the product life and cause a malfunction.

7. Consider the welding point of the guide pin when determining the direction of the clamp arm setting. The clamp arm will be damaged if clamping is performed at the welded point of the guide pin. Therefore, set the clamping directions as illustrated right figure to prevent the clamping damaged from welded point.

8. If sparks enters the cylinder body, remove it by first detaching the covers. Do not scratch or make dents on the sliding parts of the piston rod by striking it or grasping them with other objects. Or it may cause seal damage and leakage.

