One Caliper, Infinite Design
FSW Opposing 4 Pot Caliper 2026 for Large Motorcycles

- **Brake calipers evolving into attractive designs with detachable design covers**
- **A wide variety of expressions depending on the model, brand and special specifications are attainable while the caliper body is standardized.**
- **Combining the performance of the FSW monoblock structure with the design expansion possibilities of cover replacement**
- **Several unique designs to be exhibited at EICMA 2026**
- **We are in the process of intellectual property protection through patent and design applications for cover technology and design.**





Various design possibilities for the undercarriage. Astemo offers a new concept that maintains the performance of the FSW (Friction Stir Welding) monoblock caliper with a detachable design cover that can freely change the vehicle's appearance. While the body of the caliper is standardized, the cover is made of different materials, colors and shapes to create a design that suits the model and brand. Brake calipers will evolve into design items that enhance not only performance but also product value.

Brake calipers are no longer just a part responsible for braking performance. The design, which has a strong presence on the wheels, brings out the character of the vehicle and is an important factor in enhancing the brand value and the sense of ownership of the vehicle.

Astemo proposes an FSW opposing 4 pot caliper 2026 for large motorcycles, an evolution of the FSW monoblock caliper for large motorcycles announced at EICMA in 2023. While taking advantage of the basic structure of the caliper body based on FSW technology, we have newly designed a special shape for mounting a removable cover. It is not just an aftermarket part,

but the caliper body and cover are made as one product.

The biggest feature is that you can greatly change the impression of the caliper just by changing the cover. The design can be tailored to the model and brand without having to redesign the main body of the caliper, contributing to improved development efficiency. It can also be flexibly adapted to special edition models and variants, bringing new personality and design to the vehicle lineup.

The cover features an L-shaped design that takes advantage of the shape of the caliper body. We have developed a wide variety of performance parts that are not bound by conventional thinking, and we have pursued design features that express the individuality of the vehicle. This can create expressions that resonate with each vehicle concept such as sport, adventure and cruiser.

The display model uses a resin cover, but during mass production, metals such as aluminum or various resins can be selected. With anodized treatment that brings out the texture of metal, vivid colors, and a combination of materials and colors, the brand's unique world view can be expressed from the undercarriage.

There is no compromise on safety while increasing the freedom of design. Braking performance is ensured by the caliper body, and the original braking performance is fully demonstrated even when the cover is not attached. The caliper body is still stamped "NISSIN" to clearly identify the brand regardless of whether it is covered or not.

We expect that this new design will be applied to a wide range of models from medium to large displacements. By simply changing the design of the cover, this product can match the personality of various vehicles such as sports, adventure or cruiser. We will further expand the possibilities for commercialization by incorporating opinions from the market.

At EICMA 2026, this concept model will be exhibited with several design covers of different designs. "How much can a single caliper change its look with a single cover?" Please come and check out the possibilities at the venue.

*Information contained in this Technical Information is current as of November 3, 2026, but may be subject to change without prior notice.