

## PRESS RELEASE

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For immediate release

### **NEW BREMBO GP4-RX130 BRAKE CALIPER**

#### **Brembo adds a new High Performance brake caliper 130 to its GP4-RX range**

The brand new GP4-RX130 with a 130 mm fork fixing has been specially designed for Yamaha R1 and joins the GP4-RX range with 108 and 100 mm fixings.

In common with the rest of the GP4 product family, the RX130 represents a significant new development in brake caliper design thanks to the use of topology optimisation\* - software derived from Brembo's racing experience.

This software has enabled Brembo to optimise the shape of the brake caliper machining and marks a radical change from standard Racing caliper shapes. As a result, both the product's technical and performance levels have been taken to an even higher level.

The brake calipers, entirely machined from a single billet piece using the latest CAD-CAM technologies, benefit from a considerable weight reduction that sets an absolute record in the weight/stiffness ratio of the relevant motorsport categories.

The machining also benefited from the introduction of a bridge-shaped median structure to increase its overall rigidity. The nickel coating is part of Brembo's high experience in the world motorcycle championships. The coating gives the caliper an extremely attractive appearance and improves the already precise manufacturing tolerances and allows enhanced performance and operating precision.

The brake pads slide on special guides machined directly within the brake caliper body. This removes the need of brake pad bolts.

The hydraulics also underwent careful revision. The use of four 32 mm diameter pistons further increased the Brembo brake calipers' already familiar and typical characteristics of top performance and versatility.

The product, available as kit, features state-of-the-art sintered brake pads. It also comes with an instruction manual, a set of Brembo decals and extremely useful temperature-sensitive decals used during races to monitor the calipers' working temperature and test the product's performance in a demanding racing environment.

\*Topology optimisation is a simulation software used to create a mathematical model that describes a component's rigidity based on reference geometry. By using iterative processes to simulate the way in which the component works, the software automatically recognises redundant material and removes it. The result is a new geometry that makes optimal use of the material and maximises the component's performance, rigidity and weight.

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