

NEW 19RCS CORSA CORTA RR – RACE REPLICA RADIAL MASTER CYLINDER

Brembo rethinks the iconic radial master cylinder, now in pure racing style

Stezzano (Bergamo, Italy), 8 November 2022 – On the occasion of EICMA 2022, Brembo introduces the new **19RCS CORSA CORTA RR – Race Replica**, a further evolution of the radial master cylinder concept.

Many new features have been introduced for this new radial brake master cylinder, the closest to those used in top motorbike racing.

Machined from billet, like the master cylinder used in MotoGP and SBK, the design of the new Brembo **19RCS CORSA CORTA RR** has been modified to make it lighter and even more similar to the racing versions. The hard oxidised finish, in titanium grey, ensures outstanding wear resistance and extremely low friction between moving parts. It comes in a darker colour than the previous version, precisely because of the type of treatment, making it even more similar to the versions used in Moto2 and Moto3.

The floating piston and gaskets are the same as the components used in MotoGP, as are the bleed and brake fluid delivery circuit couplings. These are inclined by over 30° to facilitate bleeding of the master cylinder.

The lever, modified in shape, retains its characteristic feature that has made it famous among enthusiasts: it allows the riders to tailor the “bite point” exactly where they want it, with an easily accessible selector on the top of the master cylinder itself. The selector operates a cam mechanism to let the user choose between three different responsiveness settings.

In the **Normal** setting, indicated on the master cylinder with the letter **N**, the bite point starts more gradually, making it suitable for city riding or braking in poor grip conditions.

In the **Sport** setting, indicated on the master cylinder with the letter **S**, the beginning of the bite point is shorter than that of the N setting. This setting produces a more dynamic response suitable for sportier riding.

Lastly, in the **Race** setting, indicated on the master cylinder with the letter **R**, the position of the cam mechanism shortens the initial stage of the bite point even further to produce the same immediate response of the master cylinders used in MotoGP, letting the rider reach the bite point of the brakes instantaneously. This setting is ideal for use on the racetrack, where every hundredth of a second shaved off a lap time counts.

By simply changing from one setting to another, the rider can configure the braking response and feel of the bike immediately and predictably.

The new Brembo **19RCS CORSA CORTA RR** also features the RCS (Ratio Click System) system introduced 15 years ago on the Brembo 19RCS radial master cylinder. This lets the rider select a fulcrum-to-piston distance of 18 or 20 mm by simply turning the adjuster screw on the front of the guide lever by 180° with a screwdriver. The system uses a cam (red when set to 18 mm, black when set to 20 mm), which adjusts the distance between the fulcrum point and the contact point with the master cylinder push rod by 2 millimetres: this changes the distribution of the braking force without altering the performance of the system in terms of pure power.

The adjustment system allows the rider to achieve complete feeling with their bike and adapt braking performance to their riding style, the bike, the weather and road conditions, relying on three different master cylinders in one, bringing the performance of the braking system as a whole to another level. In fact, the choice of two fulcrum-to-piston measurements (18 and 20 mm) and three bite-point settings (R, S and N) offer a total of six different settings.

The lever assembly can be replaced without removing the RCS (Ratio Click System) system from the master cylinder and, therefore, without altering the settings made during assembly of the master cylinder in the Brembo Racing workshop.

The **19RCS CORSA CORTA RR** showcases the new Brembo logo, recently introduced and characterised by a simple and modern soul, with softer and more rounded shapes that speak to the digital native generation.

The Brembo radial master cylinder has revolutionised braking systems over the past few decades. Conceived originally for racing use, it has over the years become an increasingly sought-after solution for Supersports and Naked bikes. Despite its appearance on production models, the radial master cylinder is still a thoroughbred racing solution and continues to be used in MotoGP.

Now every rider can drastically improve the braking performance of their mid or large size motorcycle and benefit from the many advantages of Brembo's decades of experience in braking systems simply by replacing the original equipment radial master cylinder with a Brembo radial product.

The Brembo **19RCS CORSA CORTA RR** will be available on www.bremboparts.com and on the market starting from 2023.

To download the images and the video, please log on to: www.mediakit.brembo.com

About Brembo SpA

Brembo SpA is the world leader and acknowledged innovator of brake technology for automotive vehicles. Brembo supplies high performance brake systems for the most important manufacturers of cars, commercial vehicles and motorbikes worldwide, as well as clutches and other components for racing. Brembo is also a leader in the racing sector and has won more than 500 championships. Today the company operates in 15 countries on 3 continents, with 29 production and business sites, and a pool of over 12,200 employees, about 10% of whom are engineers and product specialists active in R&D. 2021 turnover was € 2,777.6 million (31.12.2021). Brembo is the owner of the Brembo, AP, AP Racing, Breco, Bybre, J.Juan, Marchesini and SBS Friction brands.

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