



REFINED BREMBO PERFORMANCE FOR POLESTAR BRAKE SYSTEM

Brembo and Polestar collaborate on an all-new aluminum brake caliper specifically designed for the Polestar 2



STEZZANO, Italy (June 24, 2020) - Brembo, the world and acknowledged leader in performance braking, will produce the two-piece 4-piston aluminum front caliper and Brembo's exclusive dual-cast floating brake disc for the Polestar 2. The new caliper features Polestar inspired design cues that follow truly global, crisply sculpted and proudly Scandinavian design theory. In line with the Brembo design method known as "Stile," the Polestar 2's brake caliper is a marriage of Italian Stile with Scandinavian simplicity. The result is a distinctive brake system.

Accenting their lightweight aluminum construction, Polestar highlights the aero sculpted Polestar 2 calipers with a distinctive copper gold color that captures the eye and communicates that this Polestar has a Brembo brake system.

"Brembo is a proud partner on the all-new Polestar 2," said Daniele Schillaci, CEO, Brembo SpA. "This was a collaborative development project with the Polestar team that results in a caliper that compliments the overall styling theme of the Polestar 2. When you combine the progressive copper look with the technology of this beautiful lightweight brake system, you get excellent stopping power with a distinctive appearance that also promotes sustainability -- helping to increase mileage and battery range."



LOW DRAG

The Brembo front caliper is designed to provide the 375 mm X 35 mm rotor with maximum clamping power. The low-drag design of the caliper keeps pads from dragging on the discs resulting in quiet braking performance, reduced rolling resistance, and improved battery regeneration. The four pistons have the same diameter and are offset towards the trailing side which avoids tapered, uneven, wear of the pads.

DUAL-CAST FLOATING BRAKE DISC

The dual-cast floating brake disc is made of two materials, cast iron and aluminum. This new disc has many advantages: reduced weight (15-20 percent lighter), greater driving comfort, less corrosion, less wear and better brake performance.

The dual-cast floating brake disc has a cast-iron braking surface and an aluminum hat, combining the advantages of cast iron's heat-resistance with the lightweight properties of aluminum. The two materials are innovatively combined into a single component. During operation, the disc effectively maximizes performance by functioning as an integral disc at low temperatures, then as a floating disc at high temperatures with minimal distortion.

The Brembo Polestar 2 brake system is a unique stopping solution where form truly follows function.

Polestar 2

Front	Two-piece, all-aluminum, four-piston caliper (P4.40) Copper-free brake pads (90 cm ²) 375 mm x 35 mm dual-cast disc
Colors	Bright Copper Gold

About Brembo S.p.A.

Brembo SpA is the world leader and acknowledged innovator of disc 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 400 championships. Today the company operates in 14 countries on 3 continents, with 24 production and business sites, and a pool of over 10,800 employees, about 10% of whom are engineers and product specialists active in the R&D. 2019 turnover is € 2,591.7 million (12.31.2019). Brembo is the owner of the Brembo, Breco, AP, Bybre, and Marchesini brands and operates through the AP Racing brand.

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