



PAGID

BRAKE SYSTEMS

**TWO-PIECE
BRAKE DISC**



BUSINESS SIMPLIFIED.
www.hella-pagid.com

**PERFORMANCE. LIGHTWEIGHT CONSTRUCTION.
COMFORT AND CONVENIENCE.**

THE NEW TWO-PIECE BRAKE DISC

The longstanding success of HELLA PAGID is based on competence, innovative dynamic and a broad product range of first-rate OE quality. These components are part of a partner concept ensuring to workshops and the aftermarket that which is important: the privilege of real competitive advantages.

The new two-piece brake disc allows HELLA PAGID to once again make innovative strides. A very strong performance by our team, as this innovation corresponds to the requirements of an entire generation in several respects: it delivers on both performance and sustainability.

TWO COMPONENTS GO FULL THROTTLE

The two-piece brake disc from HELLA PAGID consists of two separate components. While the brake disc chamber consists of superlight aluminium, the friction ring is made from highly carbonated grey cast iron – the ideal combination for highest demands. The two elements are linked by high-strength and stainless rivets.

Gain in comfort and efficiency. With lightness!

Traditional brake discs consist of 100% grey cast iron. Substituting with the significantly lighter aluminium results in weight savings of up to 20% and therefore a significant weight reduction of the unsprung brake system mass. The result: easier handling and greatly increased driving comfort. And that's by far not everything. The innovative lightweight construction also results in less fuel consumption and, therefore, fewer emissions of agents polluting the environment.

Quick installation. Beautiful appearance.

The two-piece brake disc by HELLA PAGID comes with all accessories. Since no protective oil needs to be removed, assembly is even easier. Its appearance matches the great technical qualities of our two-piece brake disc. The combination of a coated aluminium pot and friction ring provides for corrosion resistance and as well as an appealing exterior.

Grey cast iron plus. Dominant the whole way through.

The friction ring of the two-piece brake disc consists of highly carbonated grey cast iron. A material not just withstanding even the greatest loads but also ensuring the best driving and braking comfort to drivers in all situations. The higher carbon percentage for example ensures that:

- Higher carbon content and 'soft' casting materials absorb noise
- Increased heat conductivity reduces deformation. The result: No vibrations. Quiet braking
- Optimal brake performance without fading even in extreme situations



DID YOU KNOW ...

... that until much of the 19th century, aluminium was more expensive than gold? The particularly light and corrosion-resistant metal can only be obtained through surface mining and mostly originates from Brazil, China, Australia, New-Guinea and India.

SAFETY FROM A SINGLE CASTING

The base material used to manufacture brake discs is grey cast iron. By strictly adhering to machine processing tolerances, we can ensure a result that guarantees top comfort, maximum brake performance and safety. **Note: We generally recommend exchanging brake discs in pairs.**

Our standard: Guaranteed OE quality!

As one of the leading providers on the market, we offer our partners the safety that all brake discs from the HELLA PAGID brand have the same performance parameters as our original equipment products. This concretely concerns the following:

- Material and cast specifications
- Chemical composition
- Microstructure
- Mechanical specifications
- Dimensional specifications

No compromises. Ever.

We want to make absolutely sure that workshops and drivers can rely on our products at all times.

We therefore continually check our brake discs to ensure that they comply with OEM standards. The series of tests we conduct encompasses the following testing routines, among others:

- Hardness test according to Brinell
- Tensile strength test
- Strain and elongation test
- X-ray test
- 3D dimensional check
- Thickness tolerance tests (parallelism, concentricity, roundness, roughness)
- Heat conductivity tests
- 100% visual inspection at the end of production

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