



**PAGID**

BRAKE SYSTEMS

**| DRUM BRAKE**



THEY GET THE JOB DONE, SAFE AS CAN BE

# VERY POPULAR WITH ALL REAR-AXLE APPLICATIONS

Brake shoes, brake drums and wheel brake cylinders from HELLA PAGID are the first choice when it comes to rear-axle applications. To this end, we offer impressive, proven all-in-one solutions for service braking systems as well as for hand brake units.

With over 1,000 products across all three application areas, we cover all the bases. HELLA PAGID caters to the growing market of small and compact cars and the specific, price-sensitive requirements associated with the segment by offering this carefully coordinated product range.

## BENEFITS GALORE

**Drum brakes offer attractive benefits compared to their disk brake equivalents, particularly when it comes to the small and compact car class. For starters, drum brakes are less expensive to manufacture, save weight and prevent brake dust and dirt from contaminating the rim thanks to their enclosed construction. Reduced wear also allows for longer maintenance intervals, and the self-servo effect they produce means that drum brakes have a more pronounced braking effect with less physical effort required.**

### Brake shoes

With over 480 brake shoes and over 250 brake shoe kits available, HELLA PAGID offers an impressive range of drum and hand brake products.

Most of the brake shoe kits are preassembled to ensure fast, easy, correct and safe installation.

### Brake drums

By choosing first-class materials and high-quality cast products, we offer customers more than 220 brake drums of exceptional quality, durability and safety.

Integrated ABS sensors and wheel hubs as well as bearings also make installation as convenient as you'd expect with an OEM product.

### Wheel brake cylinders

Over 350 wheel brake cylinders made from aluminum or grey cast iron round off the variety of HELLA PAGID's extensive range. The wheel brake cylinders are also characterized by their exceptional quality and durability, and are manufactured in line with the highest OE standards.

Brake shoes are typically used to implement the service brake and hand brake functions of a vehicle. By ensuring perfect harmonization of all components, HELLA PAGID offers a maximum of quality, safety and comfort for your drum brake.

## Nothing is left to chance

Boasting a zinc coating, full-length bonding and ultra-high dimensional accuracy, brake shoes from HELLA PAGID provide not only an optimal braking effect right from the beginning, but also first-class corrosion protection. Likewise, our brake shoes, drum brakes and wheel brake cylinders must prove their merit in a battery of quality and function tests.



### DID YOU KNOW ...

... that the very first car had drum brakes and that this trend continued up until the 1970s, when they were replaced by disk brakes as the service brake system of choice?

## TIME FOR A NEW ONE?

Despite the longer service life of the drum brake as compared to the disk brake, drum brake units can also sustain damage as time goes on. Trouble-free operation necessitates a braking system that is in perfect mechanical order.

**A replacement must be made if one or more of these symptoms arise:**

- Broken off friction material of the brake shoes
- Loss of the adjusting spring
- Jammed wheel brake cylinder piston
- Jammed drum
- Corrosion
- Leaky wheel brake cylinder
- Jammed hand brake lever

It is recommended that you carry out a replacement on both sides of the axle. The HELLA PAGID brake shoe kit is perfect for this purpose as it includes the brake shoes, wheel brake cylinder and all relevant accessories.

### Small part – Large effect

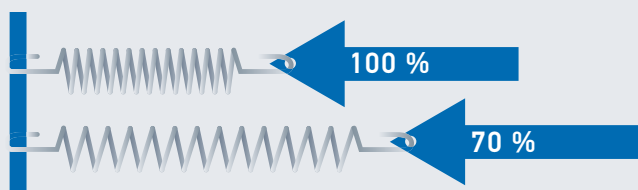
Worn coil springs in drum brake systems are a serious source of disturbance. Replacing them in good time ensures high spring tension, which is imperative for the brake to operate quietly and without vibration.



New coil springs and brake shoes



Old coil springs and brake shoes



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