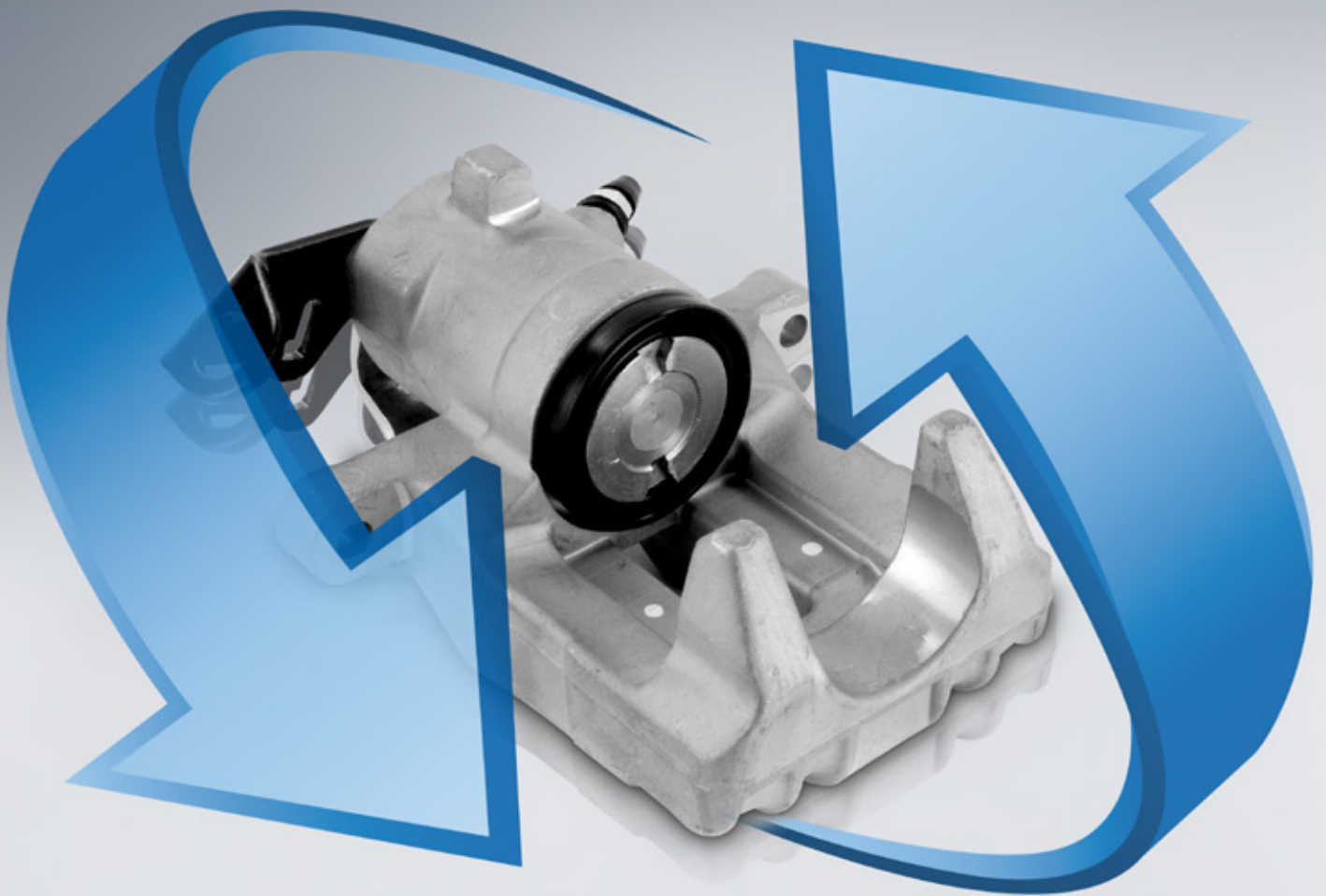




**PAGID**

BRAKE SYSTEMS

**RETURN GUIDELINES FOR  
REMANUFACTURED BRAKE  
CALIPERS**





## REMANUFACTURED BRAKE CALIPERS

# Maximum safety standards guaranteed

In light of the growing demand amongst end consumers for repairs appropriate to the market value of their vehicles, remanufactured parts such as brake calipers are proving to be attractive alternatives for spare parts.

This rising interest in remanufactured parts can be explained by such factors as a growing proportion of older vehicles present due to their longer overall useful life.

Furthermore, 'green' issues are playing an increasingly significant role, as the use of remanufactured replacement parts can save valuable resources and help to protect the environment.

When it comes to the products' safety, however, Hella Pagid takes no short cuts. Regardless of whether it's a new or remanufactured part, safety standards are uniformly high and demanding.

The remanufacturing process is therefore subject to precisely defined procedures and standards. For example, all safety-related components and rubber parts are fully replaced and the remaining components are all refurbished. This means that a remanufactured brake caliper from Hella Pagid meets the highest safety and quality requirements.

# Good for the garage, good for the environment

Hella Pagid's core values revolve around expertise, quality awareness and responsibility. The production and marketing of our products are designed to meet drivers' demand for safety and the needs of our garage partners in equal measure. In addition, wherever possible we support energy savings targets and the protection of the environment. Taking back and remanufacturing brake calipers is therefore part of an integrated strategy from which everyone benefits.

## ENVIRONMENTAL PROTECTION

### The product of high-quality workmanship and economical use of valuable resources

By remanufacturing brake calipers, we offer customers an affordable alternative which meets the highest safety and quality requirements. At the same time, our use of valuable used parts makes an active contribution to protecting the environment:

- Protecting resources
- Recycling raw materials
- Reducing energy and material consumption
- Reduction of CO<sub>2</sub> emissions
- Saving on new parts
- Avoiding waste





# ‘Equal opportunities’ through defined rules

Guaranteed efficient, tested and reliable: this is the quality guarantee we offer on all our products – naturally including all remanufactured parts. This, however, is only achievable if there are binding rules for the collection of used parts which must be adhered to under all circumstances and by all parties. At the same time, it ensures that the process of returns and reimbursement of their equivalent value runs smoothly.

## CONDITIONS

# Not all used parts are suitable

Used brake calipers must be in a good state of repair if they are to be successfully remanufactured. This condition is not met, for example, with damaged or incomplete brake calipers.

**Please check the state and quality of used brake calipers with the help of the following list before returning them:**

- The used part must be the same as the purchased product.
- The used part must be complete.
- All brake caliper guide pins, connection and bleeder threads and fixings must be present.
- The used part may not be excessively damaged due to corrosion.
- The used part may not exhibit cracks or any mechanical modifications.

Only used parts suitable for remanufacturing can be accepted and credited.

**If the used part fulfils the return criteria, please also observe the following before sending it back:**

- A deposit credit note will only be given if the used part is returned in its original packaging.
- The label on the packaging may not have been removed, contaminated or written on.
- No deposit credit note will be issued for ineligible used parts.

## The deposit scheme from HELLA PAGID

A simple and clear deposit scheme in combination with 1:1 returns of used parts forms the basis of Hella Pagid's ability to supply consistently up-to-date products as part of its remanufacturing programme.

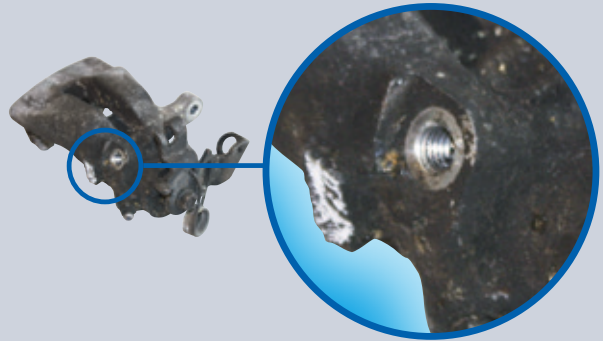
# Reasons for rejection

## MECHANICAL DAMAGE

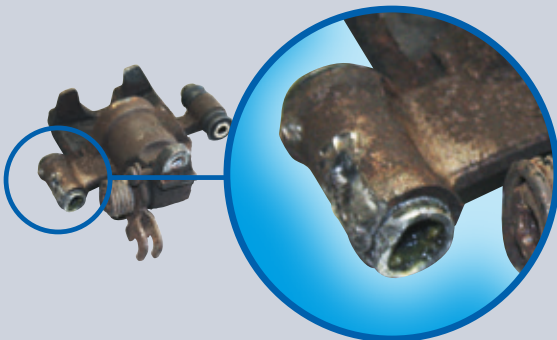
Bleeder connection twisted, thread and brake caliper guide pins damaged



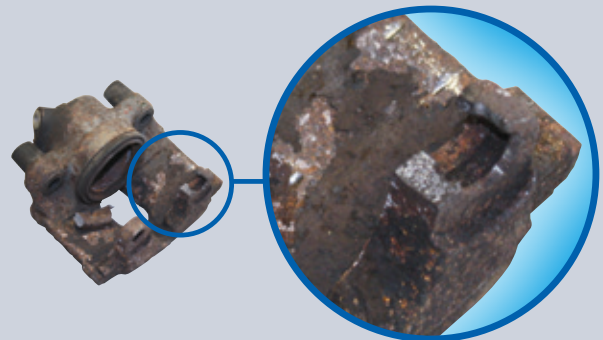
Fixings broken off



Guide bushing damaged

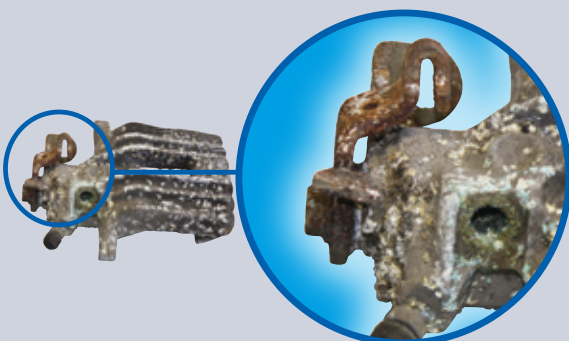


Housing damaged, spring mounting broken off



## EXCESSIVE CORROSION

Brake lever seized up, mounting thread for the brake hose heavily oxidised



Internal oxidation. Brake piston seized up  
Sleeve damaged



These examples do not claim to be exhaustive.

Please note that other mechanical damage will also result in rejection.

## BRAKE CALIPER INCOMPLETE

Brake piston and sleeve missing



Handbrake activation lever mechanism missing



## PACKAGING

A deposit credit note will only be given if the used part is returned in its original packaging – “Back in Box”



Please note that the label may not be covered, written on or contaminated; this ensures that it is machine-readable.

The label may also not be removed, as this makes it impossible to reconstruct the product's origin. In these cases, the used part will therefore not be accepted for return.

Label not removed or written on



Barcode written on, e.g. with date



Barcode partially torn off



Part number crossed out

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Subject to technical and price modifications.