

## Brake shoes

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### Function



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Essentially, they comprise the brake drum, the brake shoes, the wheel brake cylinder and the adjustment mechanism. The brake drum is fixed to the wheel and turns with it. When the brakes are applied, the wheel brake cylinder forces apart the fixed brake shoes and presses them against the brake drum, inducing braking.



The brake shoes are also the carrier of the friction material. During braking, there is natural wear of the friction material. The decreasing thickness of the friction material is compensated by a mechanical adjustment mechanism. However, it can only be compensated if there is sufficient friction material. When the wear limit is reached, the entire brake shoe must be replaced.

### Austausch der Bremsbacken



Bei normaler Fahrweise müssen die Bremsbacken an der Hinterachse erst nach einigen Jahren ersetzt werden. Um eine einwandfreie Funktion der Trommelbremse zu gewährleisten, empfiehlt es sich, nicht nur die Bremsbacken, sondern gleichzeitig auch die [Radzylinder](http://www.mein-autolexikon.de/bremse-radzylinder.html) und die Nachsteller auszuwechseln. Im Ersatzteilmarkt werden komplette Reparatur-Sätze angeboten, die neben den neuen Bremsbacken auch Radzylinder, Nachsteller, Federn und notwendige Befestigungsteile enthalten, die zum Teil sogar schon vormontiert sind.

## Safety

To ensure that the drum brake operates safely, complete repair kits must always be used when replacing brake shoes. When complete kits are used, all of the wear parts of the drum brake are replaced at the same time. Functional restrictions - caused by a downstream fault in the adjusting mechanism, worn springs or worn wheel brake cylinders, for example - and consequential loss of brake force can thus be avoided.

## Environmental protection

Using complete brake shoe repair kits avoids additional repairs. The avoidance of unnecessary repair work is a major advantage for the environment: additional trips to the garage and further consumption of resources and energy are thus avoided.

## Depreciation

Brake shoe repair kits have double the positive impact on vehicle depreciation:

- Firstly, the complete function of the rear wheel brake contributes to a higher fair value of the vehicle.
- Secondly, drum brakes are much quicker and therefore more cost-effective to repair.

The mechanic has all of the necessary replacement parts at hand. Moreover, the major assemblies are even preassembled. As a result, replacing the entire system is a quick, easy and cost-effective process.

## Bilder

## Hersteller



TRW KFZ Ausrüstung GmbH\_EN



ZF



FTE\_EN



Moog



Mintex\_EN



Textar\_EN



Bosch



ATE



Lemförder\_EN



Brembo



Delphi\_EN



HELLA



Herth+Buss



DRIV



Valeo\_EN



Zimmermann



Magneti Marelli\_EN



TMD Friction

Quelle:

<http://www.my-cardictionary.comhttps://www.my-cardictionary.com/cardictionary/hybrid/products/brake-shoes.html>