

Drum Brake Parts

Overview, features and benefits

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BOSCH
Invented for life

- ▶ All components precisely coordinated
- ▶ High friction coefficient stability
- ▶ Extremely accurate fit
- ▶ Long service life
- ▶ High reliability
- ▶ High-quality materials



Brake Drums

- ▶ Extremely accurate fit

Your advantages at a glance:

- ▶ High friction coefficient stability
- ▶ Extremely accurate fit
- ▶ Long service life
- ▶ High reliability
- ▶ High-quality materials

Tip for professionals:

Brake drums need replacing when they are below the minimum thickness, or if cracks have formed.

Important: Always replace the brake drums of the entire axle!



Wheel-brake Cylinders

- ▶ In cast iron or weight-saving aluminium
- ▶ EPDM rubber bellows and dust boots for optimum function and tightness

Your advantages at a glance:

- ▶ High-quality materials
- ▶ Reliable performance and leak-proof for the long term
- ▶ Extensive safety and leak tests during material testing and further development
- ▶ Surface protection free from chromium-6

Tip for professionals:

Wheel-brake cylinders must be replaced when the dust boots are defective or leaky in places. Otherwise, brake fluid can get onto the brake shoes and adversely affect the braking action.



Drum Brake Shoes

- ▶ These are among the most highly stressed parts of a drum brake
- ▶ Linings suffer wear due to abrasion and the natural aging process, and must therefore be replaced at regular intervals
- ▶ Brake shoe kits for professional replacement

Your advantages at a glance:

- ▶ High friction coefficient stability
- ▶ Long service life
- ▶ High-quality materials
- ▶ Far exceed legal requirements
- ▶ ECE R90 approved
- ▶ Radius-ground for optimum braking action
- ▶ Powder coated for increased corrosion protection

Tip for professionals:

Drum brake shoes should be replaced at least every 5 years. Important: always use complete repair kits when replacing brake shoes. The basic settings of brake shoes are carried out by the automatic adjusting device. To perform your work correctly, make sure that handbrake cables are relieved of all tension. **Never adjust clearance by tensioning the handbrake cables!**

Bosch is one of the world's leading brake manufacturers and offers you a comprehensive range of products

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Drum Brake Kits

- ▶ Replace wheel-brake cylinders and brake shoes easily and quickly with Bosch drum brake kits
- ▶ Kit Pro provides all necessary parts plus installation instructions
- ▶ Kit Super Pro has pre-installed, pre-set components and includes an adjusting unit

Your advantages at a glance:

- ▶ Simplified, time-saving ordering process with one part number for all parts
- ▶ Simple, space-saving storage at your workshop
- ▶ Perfectly harmonized individual components
- ▶ Prevents installation of the wrong parts
- ▶ Approx. 50% shorter installation time with the Kit Super Pro

Tip for professionals:

Drum brake shoes and wheel-brake cylinders have a similar service life. They should therefore be replaced together – at least every 5 years. This is cheaper for customers than waiting for a major repair to become necessary.

First-class quality obvious from the very first glance:

new packaging for Bosch drum brake kits. Further information is available at www.bosch.com



Brake Cables

- ▶ Corrosion protection
- ▶ Specially coated surface for low friction and smoother gliding action
- ▶ Tested and approved quality

Your advantages at a glance:

- ▶ High-quality materials
- ▶ Easy installation and adjustment
- ▶ Maintenance-free

Tip for professionals:

Dirt and wear can hamper the brake cable's ease of movement. This reduces the performance of the parking brake. Check the break cable regularly and replace when necessary.



Brake Hoses

- ▶ Made of multi-layered plastic/rubber with fabric inlay
- ▶ Tested and approved quality

Your advantages at a glance:

- ▶ Use of OEM-identical connectors
- ▶ Maximum mechanical strength
- ▶ Chemical resistance to oil, fuel and environmental influences
- ▶ Excellent pulse resistance in ESP®, ABS and TCS systems
- ▶ Low moisture permeability for a long service life, even in greatly fluctuating temperatures

Tip for professionals:

Porous or damaged brake hoses can allow moisture to penetrate from the outside. This impairs braking action – even leading to complete brake failure. Carefully check brake hoses during every inspection and replace if damaged.

Brake Pads Summary:

- ▶ All components precisely coordinated
- ▶ High friction coefficient stability
- ▶ Extremely accurate fit
- ▶ Long service life
- ▶ High reliability
- ▶ High-quality materials