

Bosch Brake Fluid & Consumables

Vehicles are becoming ever more powerful and traffic density is increasing too. Therefore, reliable brakes are needed. Special attention is to be paid to regular checks and replacement of brake fluids – the transmitter of the forces acting within the braking system. Bosch thus offers high-quality brake fluids.

Brake fluid: reliable pressure within the braking system

Brake fluids need to provide high performance, even under tough conditions. High temperatures within the braking system heat up the brake fluid, a hygroscopic medium constantly taking up water. The more water it contains, the lower the boiling point. It heats up faster when braking and forms bubbles of vapour; the braking performance becomes unreliable.

Yellow DOT
Grade: Super DOT 3
Recommended uses:

- ▶ All Toyota vehicles
- ▶ Older cars with low heat loads around braking system

Fluid replacement period:

- ▶ Every 12 months

Available in 500ml (BF3-500ML), 1L (BF3-1L), 4L (BF3-4L) & 20L (BF3-20L)




Gold DOT
Grade: Super DOT 4
Recommended uses:

- ▶ Newer cars with higher heat loads around braking system
- ▶ All Holden cars built in Australia (meets Holden spec HN1796)
- ▶ All Ford cars built in Australia (meets Ford spec ESZ-M6C55-A)

Fluid replacement period:

- ▶ Every 24 months

Available in 500ml (BFP-500ML)



Bosch range of brake fluids
However, power transmission is not the only task of brake fluids. They also lubricate the hydraulic components of braking systems. Their special composition protects against corrosion. At the same time, they contain additives preventing any possible damage to seals, gaskets and hoses. Bosch brake fluids contribute to the long service life and optimum functionality of all braking components.


Red DOT
Grade: DOT 4
Recommended uses:

- ▶ Older cars with low to medium performance ratings

Fluid replacement period:

- ▶ Every 24 months

Available in 500ml (BF-500ML), 1L (BF-1L), 4L (BF-4L) & 20L (BF-20L)



Blue DOT
Grade: DOT 5.1
Recommended uses:

- ▶ ABS/ESC and European vehicles

Fluid replacement period:

- ▶ Every 24 months (for road use)

Available in 500ml (BF3-500ML)



Brake Cleaner, Rubber Grease & Pad Grease

Bosch also carries a range of brake consumables, including:

- ▶ Bosch Brake Cleaner
Available in 400g can (BC-400G) and 20L drum (BC-20L)
- ▶ Bosch Rubber Grease
Available in 17g tube (RG17), 110g tube (RG4) and 500g tub (RG500G)
- ▶ Bosch Superfit Grease
Available in 100g tube (TO100)



Did you know? Bosch brake facts:

- ▶ Braking systems have been part of the Bosch offering since 1927
- ▶ Today, one in every three Asian, domestic and Europeans vehicles in North America have Bosch braking components in their systems
- ▶ ABS was the first electronic four-wheel anti-lock braking system for passenger cars
- ▶ ABS tests have been carried out on a frozen lake in northern Sweden since the 1970s to test in extreme driving situations
- ▶ Bosch annually manufactures over 42 million brake pads worldwide
- ▶ The Australian Government made it mandatory for all new passenger vehicles as of November 2011 to be equipped with ESP®

Find out more at:
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BOSCH BRAKES

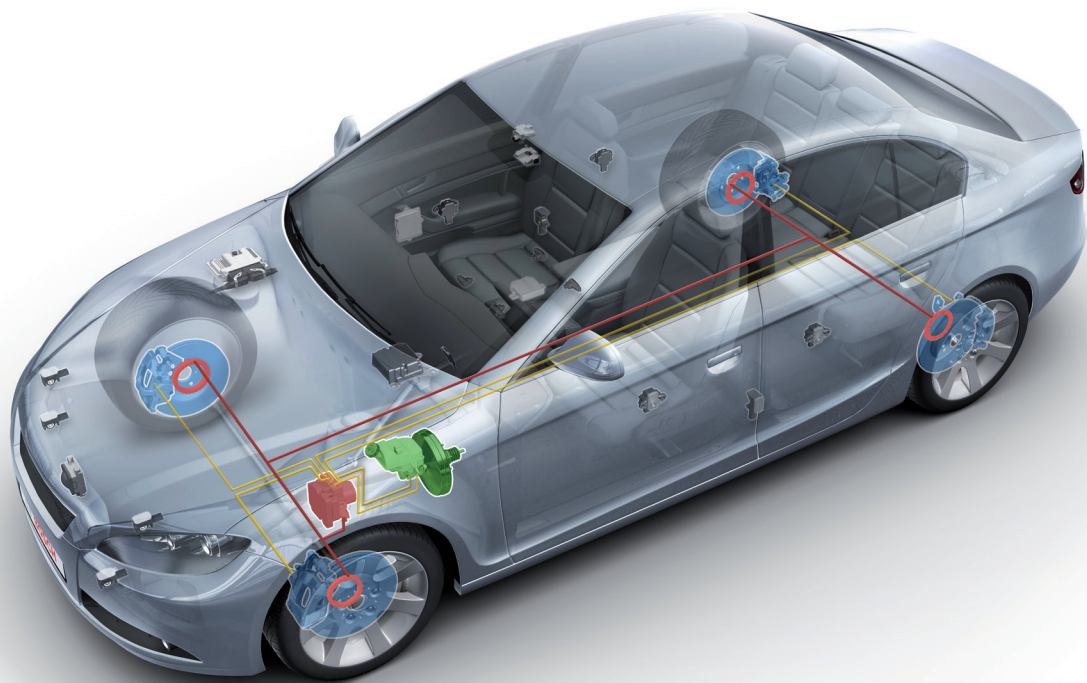
Your First Choice in Brakes



Braking Systems from Bosch

Bosch has decades of experience in the manufacturing of braking systems. Our range covers every sector and extends from individual components to complete systems. With Bosch, you will find the right component for practically every vehicle. You benefit from first-class Bosch quality, while also ensuring customer satisfaction.

Bosch is the world's leading supplier of anti-lock braking systems (ABS), traction control systems (TCS) and electronic stability programs (ESP). Perfect for workshops and the aftermarket sector: diagnostic and testing systems, service training and technical support.



Components of a braking system

- Actuation controllers:**
Trigger and control of braking effect. Foot pressure affects the brake booster via the brake pedal. The main cylinder converts the boosted actuation force into hydraulic pressure.
- Transmission:**
Transferral of the brake force via brake lines and brake hoses with brake fluid.
- Wheel brakes:**
Press the pads onto the brake disc or brake drum.
- Electronic driving safety systems:**
Supports the driver in critical situations. ABS prevents the wheels from locking when braking. TCS prevents the wheels from slipping when accelerating and approaching. ESP® detects threatening instability and holds the vehicle safely on track.

Research & Development

Bosch makes a substantial investment each year in the research and development of braking products and systems.

With continuous development and the use of innovation techniques and materials, Bosch assures product quality through constant checks during the entire production process.

Bosch's technological competence is evident in the fact that it is a world leader in the number of patent applications it submits each year. Innovations from Bosch have had a decisive influence on automobile history. As one of the world's largest parts supplier to the automotive industry, Bosch significantly contributes toward making driving safer, cleaner and more economical.

Bosch Blue Line Brake Pads

Vehicle-matched – engineered to deliver
Bosch Blue Line brake pads are vehicle-matched engineered to determine the best match of advanced friction formulations and pad design elements to deliver quiet, clean and reliable stopping performance.

Our aim is to help you make the right choice by removing the guesswork.

Friction material
Bosch has access to an ever-growing portfolio of friction material formulations worldwide, making it easier to match the OE braking performance.

Formulations as selected based on:

- ▶ Original formulation
- ▶ Vehicle suitability
- ▶ Minimises dust
- ▶ Maintains quiet braking

Performance
Bosch brake pads have been developed to withstand extreme loads and are manufactured from especially high quality materials. Extensive performance and NVH dynamometer testing, along with extreme environment testing, ensures that Bosch brake pads demonstrates a high level of performance and service life before being approved for sale.

European Heritage
Bosch is a leading brake supplier in Europe, having been voted 'Best Brake Brand 2016' by German car magazine, Auto Motor und Sport.

Bosch has a strong range across Europe and other regions, including brake pads supplied with pad hardware and wear sensors where required.

General design elements

- 1 Noise suppression shims allow for smooth and quiet stopping.*
- 2 Vehicle-matched friction formulation means reliable performance in all driving conditions.
- 3 Slotted friction material reduces noise for maximum driver comfort.*
- 4 High strength back plate material reduces pad flex.
- 5 Chamfered friction material reduces noise for maximum driver comfort.*
- 6 Wear indicators provide warning for when to change pads.*

* This feature will vary based on the vehicle information

Bosch Pad Wear Sensors

Bosch also carries a range of electronic pad wear sensors for application where they are not traditionally supplied with the pad.



Hydraulic Components from Bosch

Your First Choice for Brake Safety: Bosch Hydraulics
Safety through quality: The Bosch hydraulics program offers workshops wide market coverage for growing service business. The entire Bosch aftermarket program for brakes comprises a total of 26 product lines with more than 10,000 part numbers.

Hydraulic components by Bosch for braking systems:

- ▶ Brake master cylinders
- ▶ Wheel brake cylinders
- ▶ Brake calipers
- ▶ Brake hoses
- ▶ Anti-lock Braking System (ABS)
- ▶ Hydraulic Repair Kits



Bosch has strict quality standards as an Original Equipment supplier. Dust and piston seals are made of high quality EPDM rubber to guarantee optimum functionality and protection from dirt, humidity and extreme temperature variations.

Bosch Disc Rotors & Brake Drums

Superior Quality Cast Steel
The production of brake discs and drums requires in-depth know-how and extreme precision. Bosch selects casting materials and alloying constituents based on its long experience in braking. Rigorous testing at Bosch rotor and drum testing facilities assure high quality safety and reliability.

