

Premium Fuel Injectors



Bosch Gasoline Direct Injection



Features

- ▶ High pressure fuel injected directly into combustion chamber
- ▶ Synergies with turbocharging
- ▶ Homogeneous and lean-burn combustion
- ▶ Key enabler for engine downsizing, while maintaining desired horsepower

Benefits

- ▶ Boosts fuel savings up to 15%
- ▶ Increases low-end torque up to 40%
- ▶ Supports all specified fuels
- ▶ Improves efficiency and reduces carbon emissions

Bosch utilizes a **unique and proprietary laser drilling technology** to create **GDI injector spray holes** that allow for **super precise fuel breakdown** in the combustion chamber.

The end result is



Increased power

GDI systems deliver higher performance and higher efficiency compared to port systems.



Better fuel economy

By injecting a precise amount of fuel directly into the combustion chamber, fuel waste is minimized – producing outstanding performance and unmatched fuel economy.



Improved cold-start capabilities

Significantly improved starting performance.

Why Bosch Fuel Injectors?

Bosch is a recognized leader in fuel systems technology, with more than 45 years of gasoline injection system experience. Today, Bosch has produced over 1 billion fuel injectors, and has proven to be a reliable partner in fuel system expertise and the number one name in original equipment (OE).

All Bosch fuel injectors released to the aftermarket are engineered for OE fit, form and function because they are produced to OE specifications.

Superior Functionality

Bosch Fuel Injectors provide high-quality functionality, including:

- ▶ Optimum spray pattern for perfect mixture generation and efficient combustion, even for dynamic driving
- ▶ Low consumption and emissions, particularly in the starting and warm-up phase
- ▶ Improved cross-sections inside valves for outstanding warm-start performance
- ▶ Optimum corrosion resistance due to high-alloy steels and plastic covering

Aftermarket Offerings

Bosch Fuel Injectors offer the aftermarket:

- ▶ The broadest and greatest market coverage
- ▶ Easy and secure ordering with reliable application data
- ▶ Simple, reliable installation
- ▶ OE quality, leak-free fitting and minimal function tolerances