



Technology that Makes Sparks Fly: Spark Plugs from Bosch



BOSCH

Invented for life

First class – Even in Terms of Choice: the Bosch Spark Plug Range

Through its immense innovative strength and first class quality, Bosch is the world's leading and highly sought-after partner when it comes to supplying spark plugs to international vehicle manufacturers. You too can benefit from the knowledge and expertise at Bosch, and from a range that offers the perfect spark plug for almost any engine.

Bosch spark plugs are the motorists' favorite.

The readers of the German automobile magazine "auto, motor und sport" have once again voted Bosch as the best brand in the "spark plugs" category.



Number One Choice for Your Customers

Ensure the lasting satisfaction of your customers with original equipment quality from the leading manufacturer: Bosch spark plugs are absolutely state-of-the-art. Thanks to their innovative cutting-edge technology, they help ensure that engines consume consistently less fuel whilst maintaining the same level of performance. In developing its range of spark plugs, Bosch draws on

its leading knowledge of gasoline injection and its close collaboration with automobile manufacturers. Technically, they are perfectly designed to satisfy the requirements of each individual engine. Spark plugs from Bosch are therefore not only the number one choice for original equipment but also for dealerships and workshops.

No Tedious Searching

The clearly marked assignment of spark plugs to engines, for example in the catalog, makes the ordering procedure more straightforward. Each engine is assigned exactly the right spark plug. The simple ID number system permits quick, reliable identification of the appropriate spark plug.

Practical Packaging

At Bosch, the everyday work requirements of a workshop are always in sharp focus, hence the practical and workshop-oriented pack sizes and resealable packaging.

The Complete Range

The Bosch spark plug range is virtually all-encompassing and provides a suitable spark plug for even the most varied requirements.



Bosch Super: the Bosch Super range offers the exact fitting spark plug – in original equipment quality.



Bosch Super plus: runner types for all common vehicles. With nickel, yttrium or platinum alloy and sharpened, profiled ground electrodes, Bosch Super plus sets the benchmark for gasoline consumption, acceleration and corrosion protection.



Bosch Platinum Iridium spark plugs: fine platinum iridium electrodes ensure optimal ignition and a smooth-running engine. Also ideally suited to gas operation.



Bosch Super special: special spark plugs for motorcycles, powerboats and gardening devices in blister pack as self-explanatory sales support with ID number and installation instructions.

Quality that Sets the Benchmark: Spark Plug Technology from Bosch

The spark plug has a name that is world renowned: Bosch. For over 110 years, product and brand have created a well-defined unit with global presence. Not least because Robert Bosch was granted the patent for spark plugs in 1902. But also because, since then, the spark plug technology in-house at Bosch has been continually perfected. Get optimal engine performance and innovative technology with Bosch spark plugs.

Higher Ignition Reliability

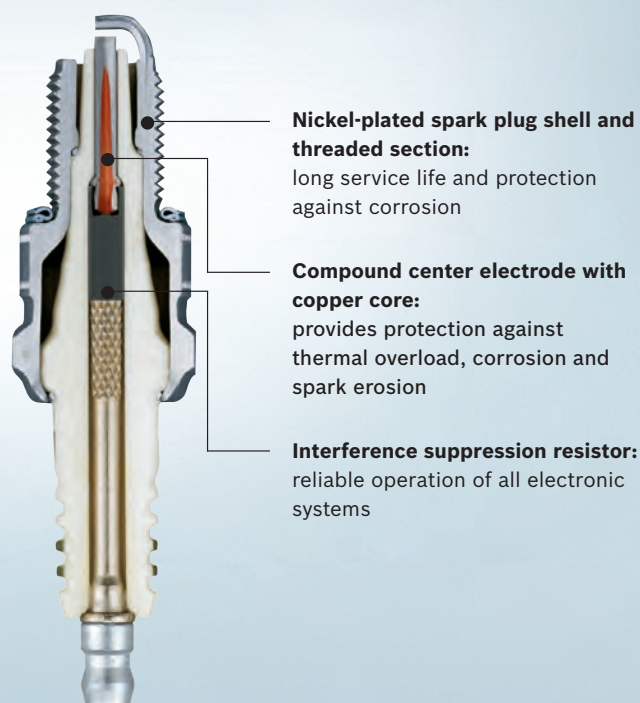
The Bosch Super plus spark plugs provide you with the latest technology from original equipment – bringing many benefits to you and your customers. Profiling the ground electrodes achieves a faster ignition spark jump and inflammation of the mixture, thereby increasing ignition reliability. Improved combustion protects engine and catalytic converter. The spark gap is preset ex works.

Platinum Iridium Spark Plugs

- ▶ Extremely wear resistant and resistant to chemical influences in the combustion chamber thanks to center electrode with platinum iridium alloy.
- ▶ Optimal ignition properties and long service life
- ▶ Improved spark plug efficiency
- ▶ Highly resistant to material erosion
- ▶ Center electrode diameter only 0.6 mm
- ▶ Perfect dispersion of flame front on all sides
- ▶ Ideally suited to gas operation due to long service life

With Interference Suppression Resistor

Further progress: the new Bosch spark plugs have a maximum interference suppression value and so contribute to the reliable functioning of all electronic systems such as radio, navigation, ABS, ASR and ESP®.





Bosch spark plugs bring the latest trends directly to workshops and dealerships. Two examples of this are the new Bosch pin-to-pin spark plugs and the cup connection technology.

Essential for high ignition reliability in supercharged engines with direct gasoline injection: the optimal power transmission of the ignition spark – the strength of the new Bosch pin-to-pin spark plugs.

New: Bosch Pin-to-Pin Spark Plugs

With Bosch pin-to-pin spark plugs you and your customers can benefit from the latest Bosch spark plug technology. The innovative high-performance spark plugs are tailored to the specific requirements profile of highly sensitive direct gasoline injection engines. In order to reach the high ignition voltage required in supercharged engines, optimal power transmission of the ignition spark into the air/fuel mixture is necessary. This is exactly what the Bosch pin-to-pin spark plugs were developed for. They are equipped with two particularly thin electrodes, which guarantee high power transmission despite the smaller spark gap.

Spark Plugs for Gas Operation

Cars that are operated by gas are on the increase. The number of newly registered and retrofitted gas vehicles are growing steadily. As a pioneer of automobile technology, Bosch also assumes responsibility for gas-operated vehicles. Bosch helpfully offers you the correct spark plug for any gas-operated vehicle – in original equipment as well as for conversions. As spark plugs are more heavily loaded during gas operation, the change intervals become shorter: around 15000 km using standard spark plugs and around 30000 km using platinum spark plugs.

New Cup Connection Technology

In order to make engines more efficient, vehicle manufacturers are reducing the engine capacity or the number of cylinders (downsizing) and simultaneously increasing the charge air pressure. This requires a higher ignition voltage which in turn demands better flashover resistance in the insulator. Bosch has developed spark plugs with a special connection for this. With the new cup connection the insulator is extended by approx. 8 mm. To compensate for this extension, the spark plug contains a stud with a cup as a contact connection. The contact pressure spring of the spark plug connector is centered in the cup.



Leading in Every Direction: First-Class Results with First-Class Bosch Technology



Bosch spark plugs are in a league of their own. They are a cut above the rest both in original equipment in Europe as well as in motorsport. This is no coincidence – Bosch provides optimal technical solutions for any engine. Always a winner for you and your customers: spark plugs from Bosch.

First Choice for Original Equipment

There's a good reason why so many international vehicle manufacturers choose Bosch. The level of knowledge and expertise at Bosch in the gasoline injection and ignition sectors is virtually unrivaled. The exceptional innovative strength and the extra-ordinarily high quality at Bosch provide further convincing arguments. Bosch works in close collaboration with vehicle manufacturers to develop each spark plug for original equipment – tailored perfectly to the requirements of each engine. This guarantees the highest level of reliability and state-of-the-art technology – exactly what automobile and motorcycle manufacturers and their customers want.

Bosch spark plugs in original equipment

- | | | |
|--------------|-----------------|--------------|
| ▶ Alfa Romeo | ▶ Ford | ▶ Piaggio |
| ▶ Audi | ▶ Geely | ▶ Porsche |
| ▶ Bajaj Auto | ▶ GM | ▶ Renault |
| ▶ BMW | ▶ Holden | ▶ Saab |
| ▶ BYD | ▶ Honda | ▶ Seat |
| ▶ Changan | ▶ JAC | ▶ Skoda |
| ▶ Chery | ▶ KTM | ▶ SsangYong |
| ▶ Chrysler | ▶ Lamborghini | ▶ Suzuki |
| ▶ Citroën | ▶ Maruti Suzuki | ▶ Tata |
| ▶ Daewoo | ▶ Mitsubishi | ▶ TVS Motor |
| ▶ Daimler | ▶ Opel | ▶ Volkswagen |
| ▶ Fiat | ▶ Peugeot | ▶ Volvo |



From Motorsport to Series Production

Bosch spark plugs are always one step ahead in the motorsports sector – thanks to special technical properties and standards and the use of high-grade materials such as yttrium. Specially developed for motorsport, these innovations are now also entering spark plug production in regular passenger cars. In fact they are often perfected furthermore before going into series production for workshops and dealerships.

Not only Optimum for Cars: Spark Plugs for Special Engines



You can rely completely on Bosch spark plugs. Bosch spark plugs are the number one choice not only for series production cars, but also for motorcycles and low-power engines as well as in industrial applications. They meet the same high quality requirements as the spark plugs for cars, and ensure that everything runs smoothly wherever they are installed. Choose Bosch spark plugs – your customers will thank you for it.

Reliability for Motorcycles

Even at a low engine speeds, the spark plug in a motorcycle or scooter must be warm enough to avoid carbon fouling. On the other hand, at high engine speeds they must not become too hot to avoid auto-ignition. Bosch spark plugs handle these challenges reliably and always ignite the fuel-air-mixture in the engine's combustion chamber dependably and at the right time. Bikers not only benefit from a safe cold start and very smooth running, but also from low fuel consumption thanks to optimal combustion.

Low-Power Engines for the Green Sector

Increasingly, both professionals and hobby gardeners are using motorized gardening devices, implying there is growing demand for reliable spark plugs for these low-power engines. The Bosch spark plug range covers a wide array of devices with just a few spark plug types. Bosch spark plugs impress with their original equipment quality and fully satisfy the requirements of both professional and hobby gardeners: reliable starting performance, safe ignition, effective protection from corrosion and thread seizure.



Industrial Applications

The innovative Bosch spark plugs are increasingly being used in industrial applications, for example in combined heat and power plants that are operated by natural gas or special gases such as landfill or bio gas. Bosch double iridium spark plugs have proven their strengths and exceptional quality in many applications that require secure and low-emission ignition with a long service-life.

Bosch: Bringing you the workshop of the future

For over 125 years, Bosch innovations have been keeping vehicles on the road and getting people to and from their destinations while improving safety and peace of mind along the way.

Bosch Automotive Aftermarket offers workshops and retailers a comprehensive portfolio of products that is unmatched worldwide:

- ▶ Efficient diagnostics
- ▶ Innovative workshop equipment
- ▶ Quick, reliable delivery
- ▶ The world's most comprehensive range of spare parts – including both new and remanufactured
- ▶ Workshop concepts to meet every requirement
- ▶ Comprehensive training
- ▶ Targeted sales and marketing support
- ▶ A competent service hotline
- ▶ 24-hour online workshop services
- ▶ Affordable leasing services for workshop equipment and software

From parts to scheduling, organization and results, our solutions are combined with additional services to ensure your needs will be perfectly met, helping you to maximize your potential.

Your address for genuine Bosch quality:

For more information:
www.bosch.com



The Bosch world:

- ▶ Diagnostics
- ▶ Diesel systems
- ▶ Gasoline systems
- ▶ Braking systems
- ▶ Spark plugs
- ▶ Power systems
- ▶ Batteries
- ▶ Filters
- ▶ Wiper systems
- ▶ Lighting technology
- ▶ Convenience electronics
- ▶ Technical hotline
- ▶ Knowledge database
- ▶ Service training
- ▶ Workshop concepts

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