

BOSCH SPARK PLUGS



BOSCH

Invented for life

DRIVEN BY MILLISECONDS



System and component developer

Thanks to its close cooperation with vehicle manufacturers, Bosch gained outstanding know-how – concerning components such as spark plugs as well as gasoline injection systems. It allows Bosch to offer a comprehensive range of spark plugs and ignition components matching the specific requirements of different engines on the aftermarket.

Motorsport technology for road use

The aftermarket also benefits from motorsport and original-equipment innovations. Future trends and technologies are implemented at the production of spark plugs for series-production passenger cars and are often even further developed before being launched onto the workshop and retail markets.

High market coverage





Modern engines with smart gasoline direct injection need spark plugs perfectly geared to the specific requirements of each combustion chamber. This is the only way to facilitate future optimisations in terms of performance, fuel economy and emission reduction.

With a high worldwide market coverage, Bosch supplies matching spark plugs for almost any vehicle – and geared to the specific requirements of the respective engine.

High quality

Following the first Bosch spark plug launched in 1902, several other patents have also been filed. These include, for instance, the Continuous Wave (CW) laser welding method clearly increasing the durability of the welded connection on the center electrode. Innovative alloys such as nickel, yttrium and precious metals ensure a long service life. Production procedures such as the heat-shrink assembly, nickel-coated spark plug housings and threads ensure a high reliability and a long service life.

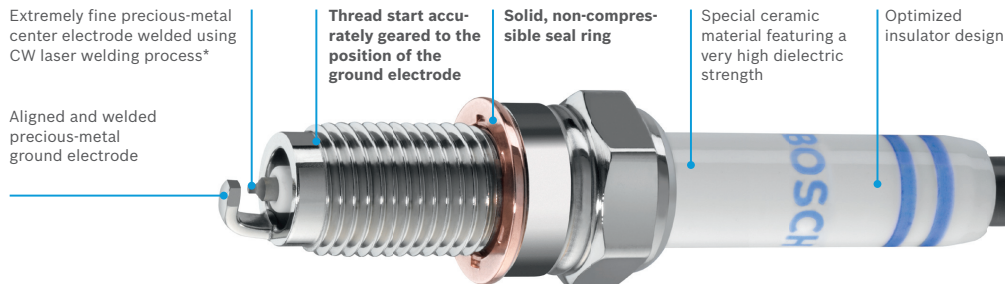


The Right Fit	The Precious Metal Line		
Established technology	Improved ignitability and performance*	Extended life and better ignitability*	Exceptional ignitability and performance*
Standard	Platinum	Double Pt.	Double Ir.
			

Precious-metal spark plugs

- Outstanding engine protection due to nickel-plated housing and thread
- First-class ignitability for high performance due to specifically developed precious metals or alloys of the center electrode
- Hassle-free spark plug replacement due to factory-set electrode gap
- High wear resistance due to highly heat-conductive electrodes
- High gas tightness and stable heat value through heat shrink assembly

Bosch spark plugs for use in gasoline direct injection engines



*The patented CW (continuous wave) laser welding process stabilizes the center electrode to prevent damage in cases of high pressures within the combustion chamber.

i Cup terminal

Engines with reduced displacement or with less cylinders (downsizing) and increased boost pressure need a higher ignition voltage. For these purposes, Bosch developed spark plugs featuring a longer insulator for improved flashover resistance. For length compensation, they are equipped with a so-called cup terminal.



Technology | High-performance spark plugs

i Solid washer

In case of engines with modern gasoline direct injection systems, the ideal spark plug alignment towards the injection valve decides about accurate ignition of the fuel mixture. For the precise positioning within the combustion chamber, Bosch spark plugs are equipped with a solid and non-compressible washer and a specifically oriented thread.





Bosch Platinum

- Improved ignitability and performance*
- Longer service life*
- Tapered ground electrode ensures effective burn
- Innovative Nickel-Yttrium alloy for increased wear resistance



Bosch Double Platinum

- Best aftermarket OE replacement
- OE derived quality and technology
- Greater performance and longest service life due to platinum alloy on center and ground electrode*
- High wear resistance due to the use of double precious metal
- Continuous laser welding technique for robust electrode retention



Bosch Double Iridium

- Best aftermarket OE replacement
- OE derived quality and technology
- Unique iridium alloy provides enhanced ignitability and performance*
- High wear resistance due to the use of double precious metal
- Improved durability with the use of fine wire and continuous laser welding technique
- Pin-to-Pin technology significantly reduces quenching**

* Compared to standard copper spark plugs

** As per OE requirement

Bosch EVO

Bosch EVO: particularly robust spark plug for turbocharged gasoline direct-injection engines

Long service life

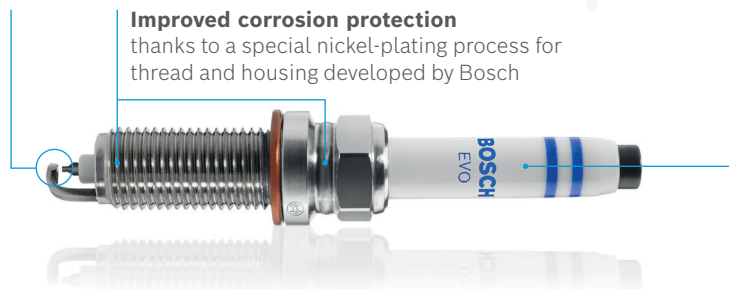
Increased wear resistance thanks to reduced electrode wear (iridium pin at the center electrode and a platinum plate at the ground electrode)

Improved corrosion protection

thanks to a special nickel-plating process for thread and housing developed by Bosch

Electrical robustness

Improved dielectric strength (> 45 kV) thanks to optimized insulator design



The resilient Bosch EVO spark plug is particularly suitable for the extreme demands of turbocharged gasoline direct-injection engines

Long service life: Increased wear resistance thanks to reduced electrode wear (iridium pin at the center electrode and a platinum plate at the ground electrode)

Improved corrosion protection: Thanks to a special nickel-plating process for thread and housing developed by Bosch
Electrical robustness: Improved dielectric strength (> 45 kV) thanks to optimized insulator design

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Spark plugs without precious metals

Bosch Standard

Bosch Nickel spark plugs are equipped with a ground electrode made of nickel alloy. They provide outstanding spark plug technology and are available for a wide range of applications.

- Established technology for decades
- High market coverage
- Equivalent to original parts
- Reliable quick starts
- Hassle-free and quick fitting due to factory-set electrode gap
- Optimized combustion thanks to tapered ground electrode**

** As per OE requirement



Modern spark plugs are very sensitive in terms of mounting.

That is why there are specific installation notes for each type, descriptive pictograms and the factory-set electrode gap on the packaging.

A selection of the Bosch Spark Plug range at CoolDrive

Part Number	Plug Type	Applications
FR7KPP33U+	DOUBLE PLATINUM	FORD BA/BF/TS/TX 4.0l I6 inc XR6; HOLDEN RODEO 6VD1 3.2L V6
Y5KPP332	DOUBLE PLATINUM	VARIOUS V.A.G. Apps AUDI A1-4 Q3; VW GOLF MK7 CMBA CXSA
FR6HI332	DOUBLE IRIIDIUM	VW TIGUAN POLO CAVD CTHE; AUDI A1 CAXA CBZA CAVG
VR7NII33X	DOUBLE IRIIDIUM	MAZDA CX-3 MAZDA2 MAZDA3 (1.5/2.0L); TOYOTA COROLLA 2ZRFE 3ZRFE
HR8NPP302	LASER PLATINUM	HOLDEN COMMODORE 3.6L LY7 LFX LLT LEO; MAZDA3 MAZDA6 2.3L L3 LFDE Inc MPS
FQ5NPP332S	DOUBLE PLATINUM	AUDI S3 QUATTRO 2.0L CJFX CJXB; VW GOLD MK7 GTI/R 2.0L CHHB CHHA
FR7DCX+	NICKEL	HONDA CIVIC / JAZZ Vti-R D16Y L13A1; HYUNDAI GETZ 1.5L G4EC
ZQR8SI302	IRIDIUM	MINI COOPER CLUBMAN R55 R56 N12; PEUGEOT 207 1.6L EP6
FR8DCX+	NICKEL	HYUNDAI i30 1.6/2.0L G4GC G4FC; MITSUBISHI LANCER 1.8L 4G93
YR8NII35U	DOUBLE IRIIDIUM P2P	KIA OPTIMA SANTA-FE G4KJ 2.4L; MITSUBISHI OUTLANDER 2.0/2.4 4J11 4J12
HR8DPP15V	LASER PLATINUM	FORD FALCON V8 BA/BF BOSS 260kw; FPV GT GT-P GS FORCE8 32v 290/302/315kw

Refer to the CoolDrive website for the full list of Bosch Spark Plugs.

**Unlock the performance in your customers' engines
with Bosch Spark Plugs.**