

DENSO

IRIDIUM POWER

AUSTRALIA

CHINA

INDIA

INDONESIA

KOREA

MALAYSIA

PHILIPPINES

SINGAPORE

TAIWAN

THAILAND

Vietnam

JAPAN

EUROPE

MOTOR CYCLE

SMALL ENGINE

CROSS REFERENCE

NUMBER

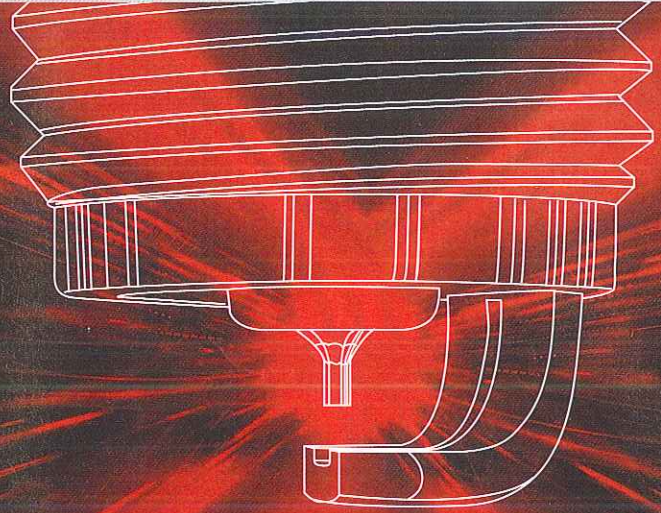
High Performance Spark Plug

IRIDIUM POWER®

**0.4mm Iridium,
only at DENSO!**



The world's finest
diameter (as of December 2014)
0.4mm
with an iridium center electrode



A next-generation plug that draws out engine evolution with a high-performance spark.

Improved acceleration!

Rewinding up plug performance with 0.4 mm!



Specifications Include Terminal
A terminal nut is attached that fits with most of the world's spark plug cables. Please remove the nut for installations that do not require one. (The terminal nuts on the IWM and IK-G types are solid parts and cannot be removed.)



Built-in, Highly Reliable Resistor
All **IRIDIUM POWER** plugs include a highly reliable, 5,000 ohm monolithic resistor specification to reduce electromagnetic noise that may affect electronic devices. (For all plug types)



Highly Corrosion Resistant, Burnished Nickel Plating
The plug housing is plated with burnished nickel, the same as plugs used for racing. It is highly resistant to corrosion and rust even while touring in continually rainy weather and during motocross events. (Low-heat range types excluded)



360° Laser Welding
The process used to mount the iridium tip is a highly reliable "All-around Laser Welding" process that is able to withstand all kinds of driving conditions. (For all plug types)



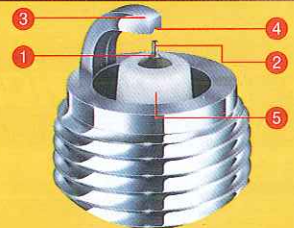
1 Projected Center Electrode

In order to improve ignitability, the center electrode protrudes more than with conventional type plugs. This improves both acceleration response time and performance. (Only with: IU31, IUH24, IUH27, IX22, IX24, IX27, IUF22, IUF24, IWF22, IWF24, IWF27, IW24, IW27, IW29, IW31, and IW34)



2 0.4 mm Diameter Ultra-fine Iridium Center Electrode

Using a new iridium alloy with a very high melting point, the tip of the electrode can be made very fine. This enables the reduction of voltage necessary to cause the spark, and greatly improves ignitability. Moreover, the special iridium alloy used was developed by DENSO with the following patented processes (for all types): Japan (2877035, 2921524, 3000955), U.K. (2302367), U.S.A. (5977695, 6078129, 6093071, 6094000, 6262522), People's Republic of China (961022841), Republic of Korea (0292083).



3 Taper-cut Ground Electrode

The tip of the ground electrode is cut to a fine taper to reduce the adverse effects of quenching, which greatly improves fuel ignitability. Also, because of the streamlined, taper-cut shape, the fuel-air mixture spreads more evenly in the gap, resulting in steady, reliable igniting of combustion. (excluding IUF27A, IUF31A, IU24A, IU27A, IU31A, IY24, IY27 & IY31)



4 U-Groove Ground Electrode

The U-shaped groove on the ground electrode insures that the inside surface area is large enough to generate the flame kernel. This shape enables lower voltage needed to cause the spark and results in excellent ignitability without increasing the size of the spark gap. (excluding IUF27A, IUF31A, IU24A and IU31A)



5 Insulator Projection

The projection of the insulator is optimally designed based on each plug's thermal value. This corresponds to requirements unique to thermal value, such as self-cleaning ability at lower thermal values, and heat resistance at higher thermal values. (For all plug types)