

# IRIDIUM POWER® lineup

## IKH series

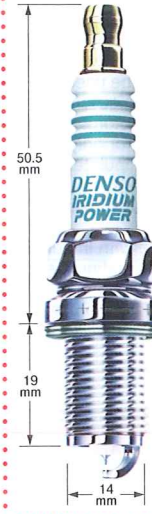
IKH16. IKH20. IKH22  
IKH24. IKH27



- 14 mm dia. × 26.5 mm length long reach type.
- For Subaru 3 Liter, Nissan, Peugeot, Citroen, and Yamaha Marine.
- IRIDIUM TOUGH** VKH16, VKH20, and VKH22 are also on sale.

## IK series

IK16. IK20. IK22. IK24. IK27.  
IK31. IK34



- Mainly used for cars. ISO type.
- 14 mm dia. × L19 mm length type.
- IK22 and above are for tuned engines, with a spark gap of 0.8 mm.
- IK16G, IK20G, and IK22G have a solid, stainless steel gasket (mainly used with Honda engines).
- IRIDIUM TOUGH** VK16, VK20, and VK22 are also on sale at the same time.
- IK□L is extended type (spark position 5 mm)

## IK-L series

IK16L. IK20L



- 14 mm dia. × L19 mm X Hex 16mm.
- Extended Type The spark position is longer than IK20 by 2mm.
- KJ16CR-L11 / KJ16CR are substituted by IK16L
- KJ20CR-L11 / KJ20CR11 are substituted by IK20L (see this catalog for more substitution)

## IK-G series

IK16G. IK20G. IK22G



- Mainly used for cars. ISO type.
- 14 mm dia. × L19 mm length type.
- IK22 and above are for tuned engines with a spark gap of 0.8 mm.
- IK16G, IK20G, and IK22G have a solid, stainless steel gasket (mainly used with Honda engines).
- IRIDIUM TOUGH** VK16G, VK20G, VK22G are also on sale at the same time.

## IQ series

IQ16. IQ20. IQ22. IQ24.  
IQ27. IQ31. IQ34



- Mainly used for cars.
- 14 mm dia. × L19 mm length type.
- IQ22 and above are for tuned engines, with a spark gap of 0.8 mm.
- IRIDIUM TOUGH** VQ16, VQ20, and VQ22 are also on sale.

## IW series

IW16. IW20. IW22. IW24.  
IW27. IW29. IW31. IW34



- 14 mm dia. × L19 mm length fully threaded type.
- IW16 to 22 are focused on ignitability with a 1.5 mm projection, whereas IW24 to 34 are focused on heat resistance with a projection of -1.5 mm.
- The spark position of IW24 to 34 is projected 0.5mm compared to normal (1.0 → 1.5 mm).
- Equipped with 0.4 mm diameter iridium center electrode for improved ignitability.
- IRIDIUM TOUGH** VW16, VW20, and VW22 are also on sale.

## IWM series

IWM24. IWM27. IWM31



- This type has a gasket face height shortened by approximately 10 mm from the IW type.
- The **IRIDIUM POWER** version of the IWM01-□ Iridium Racing plugs.
- Sold as street-use plugs for 2-cycle 250cc sports bikes.
- For Honda NSR250, Yamaha TZ250R, Suzuki RGV250T (Gamma), Aprilia RS250, KTM260, 300, and 380 ('99 and later).
- Can also be used for water cooled kart engines.

## IWF series

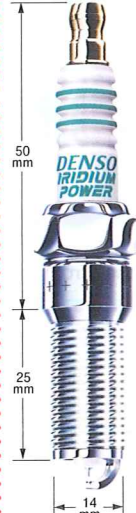
IWF16. IWF20.  
IWF22. IWF24. IWF27



- 14 mm dia × L12.7 mm length short reach type.
- IWF27 utilizes the heat resistance of the iridium electrode to extend the spark position 0.5 mm (1.0 → 1.5 mm)
- Harnessing the low required voltage of the 0.4mm dia. iridium, the gap is wider than in standard types (0.7 → 0.8 mm). Ignitability is increased even further.

## ITV series

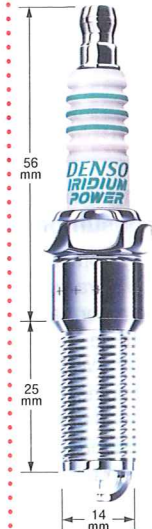
ITV16. ITV20. ITV22. ITV24.  
ITV27



- 14 mm dia. × L25.0 mm length tapered seat, long reach type.
- For the Ford Focus, Mondeo, Escape, Chevrolet Blazer and Mazda Tribute.

## ITL series

ITL16. ITL20



- 14 mm dia. × L25.0 mm length tapered seat, long reach type.
- Designed so that the head of the plug is 6 mm higher than in the ITV.
- Use with Chrysler's PT Cruiser, Voyager, Dodge, Magnum for 2005 model years and later.

## IT series

IT16. IT20. IT22. IT24. IT27



- 14 mm dia. × L17.5 mm length tapered seat type.
- For use with GM, Ford, Citroen, Jaguar, Peugeot, Volvo, Mercedes-Benz, Lancia, Renault, Audi, and Mazda.
- IRIDIUM TOUGH** VT16, VT20 are also on sale.

## ITF series

ITF16. ITF20. ITF22. ITF24.  
ITF27



- 14 mm dia. × L11.2 mm length tapered seat type.
- For use with GM and Ford.

DENSO IRIDIUM POWER  
 AUSTRALIA CHINA INDIA INDONESIA MALAYSIA KOREA PHILIPPINES SAUDI ARABIA SINGAPORE TAIWAN THAILAND VIETNAM  
 JAPAN VIETNAM THAILAND TAIWAN SINGAPORE SAUDI ARABIA PHILIPPINES MALAYSIA KOREA INDONESIA INDIA CHINA AUSTRALIA  
 CROSS SMALL MOTOR EUROPE & USA  
 PART NUMBER REFERENCE ENGINE CYCLE

# IRIDIUM POWER®

DENSO

IRIDIUM POWER AUSTRALIA CHINA INDIA INDONESIA KOREA MALAYSIA PHILIPPINES SAUDI ARABIA SINGAPORE TAIWAN THAILAND VIETNAM JAPAN

EUROPE MOTOR SMALL CROSS PART & USA CYCLE ENGINE REFERENCE NUMBER

## IXUH series

IXUH22. IXUH20I. IXUH22I



- 12 mm dia. × L26.5 mm length fully threaded type.
- The insulator is fully projected (1.5 mm), creating greater heat range and greater ignitability.
- 16 mm Hex
- Application: BMW Mercedes Benz Honda Mitsubishi Mazda Subaru Suzuki Daihatsu.
- IRIDIUM TOUGH** VXUH22, VXUH20I, VXUH22I are also on sale.

## IXU series

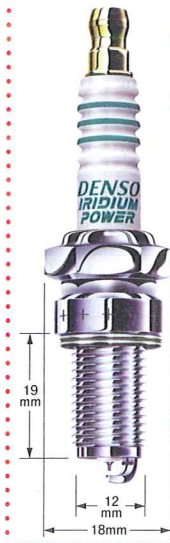
IXU22. IXU24. IXU27. IXU22I



- 12 mm dia. × L19 mm length fully threaded type.
- The insulator is fully projected (1.5 mm), creating a wide heat range and greater ignitability.
- 16 mm Hex
- For use with small cars and imported motorcycles such as Ducati.
- IRIDIUM TOUGH** VXU20, VXU22, VXU24, VXU22I are also on sale.

## IX series

IX22. IX24. IX27



- 12 mm dia. × L19 mm length fully threaded type.
- Using the high heat resistance of the iridium electrode, the spark position is projected 0.4 mm more than in standard types. (1.6 → 2.0 mm)
- Harnessing the low required voltage of the 0.4 mm dia. iridium the gap is wider than in the standard types (0.7 → 0.8 mm). A further increase in ignitability.
- 18 mm Hex

## IX-B series

IX22B. IX24B. IX27B



- 12 mm dia. × L19 mm length fully threaded type.
- Compared to the IX type, the insulator projection is extended 0.9 mm (0.6 → 1.5 mm), resulting in a wider heat range.
- The spark position is projected 0.8 mm more than the IX type. (2.0 → 2.8 mm)
- 18 mm Hex

## IXG series

IXG24. IXG27



- The Iridium Power versions of the 2 mm shroud type plugs (X24/27GPU) used by Honda.
- Applicable to CB400SS. An expansion of applications is planned.
- Applicable to Honda CB400SS, XR400RR, CL400/RS, XLR250R, CBX250S, FTR250, CBX400F, XR250R.

## IU series

IU20. IU22. IU24. IU27. IU31. IU22D. IU24D. IU27D



- 10 mm dia. × L19 mm length fully threaded type.
- Harnessing the low required voltage of the 0.4 mm iridium center electrode, the spark gap is wider than in normal type. A further increase in ignitability. (0.8 → 0.9 mm)
- For motorcycles such as Yamaha and Kawasaki, also for Ferrari, Maserati, and Alfa Romeo.

## IU-A series

IU24A. IU27A. IU31A



- 10 mm dia. × L19 mm length fully threaded slant ground electrode type.
- Harnessing the low required voltage of the 0.4 mm dia. iridium, the gap is wider than in normal type (0.7 → 0.9 mm). Ignitability is greatly increased.
- By making this a single electrode, the spark location is stabilized compared to in normal types (double ground electrode), securing an ideal combustion condition.

## IUH series

IUH24. IUH27



- 10 mm dia. × L19 mm length half-threaded type.
- Using the high heat resistance of the iridium electrode, the spark position is extended 0.4 mm compared to standard types (1.6 → 2.0 mm)
- Use only with Honda

## IUF series

IUF22. IUF24. IUF14-UB



- 10 mm dia. × L12.7 mm length short reach type.
- Using the high heat resistance of the iridium, the spark position is extended 0.4 mm compared to standard types (1.6 → 2.0 mm)
- Harnessing the low required voltage of the 0.4 mm dia. iridium, the spark gap is wider than in normal types (0.7 → 0.8 mm). Ignitability is greatly increased.

## IUF-A series

IUF27A. IUF31A



- 10 mm dia. × L12.7 mm length short type.
- Ideal for Gorilla/ Monkey Racing.
- The ground electrode has a slant shape, reducing the thermal stress on it.

## IY series

IY24. IY27. IY31



- 8 mm dia. × L19 mm length tapered seat, half thread type.
- The world's first 8 mm thread diameter iridium plug.
- Can be used with Honda Smart Dio ('04-), VFR400, RVF400, Kitaco Monkey Head, and NR750.

# DOUBLE NEEDLE IRIIDIUM TOUGH®

TYPE	SPEC	DIA. (mm)	REACH (mm)	HEX (mm)	GAP (mm)	PROJECTION (mm)	SPARK POSITION (mm)	GROUND ELECTRODE HEIGHT (mm)	TERMINAL SHAPE	RESISTOR (Ω)	No.	IRIDIUM TOUGH ONE PC BOX
												DENSO P/N
VFK16	DOUBLE NEEDLE IRIIDIUM, PLATINUM ELECTRODE	14	19	16	1.1	1.5	3.0	6.5	S	5	V47	267700-9150
VFK20F	DOUBLE NEEDLE IRIIDIUM, PLATINUM ELECTRODE	14	19	16	1.1	1.5	3.0	6.5	S	5	V48	267700-9160
VFKH16	DOUBLE NEEDLE IRIIDIUM, PLATINUM ELECTRODE	14	26.5	16	1.1	2.5	4.0	7.3	RC	5	V54	267700-7410
VFKH20	DOUBLE NEEDLE IRIIDIUM, PLATINUM ELECTRODE	14	26.5	16	1.1	2.5	4.0	7.3	RC	5	V55	267700-7420
VFKBH20	NEW 3 ELECTRODE, DOUBLE, NEEDLE, IRIIDIUM, PLATINUM	14	26.5	16	1.1	2.5	4.0	7.1	S	5	V43	267700-7660
VFXEH20E	φ 12 DOUBLE NEEDLE IRIIDIUM, PLATINUM ELECTRODE, SHROUD 2mm	12	28.5	14	1.1	2.5	4.0	7.2	S	5	V44	267700-7630
VFXEH20	φ 12 DOUBLE NEEDLE IRIIDIUM, PLATINUM ELECTRODE	12	26.5	14	1.1	2.5	4.0	7.2	S	5	V45	267700-7640
VFXEH22	φ 12 DOUBLE NEEDLE IRIIDIUM, PLATINUM ELECTRODE	12	26.5	14	1.1	2.5	4.0	7.2	S	5	V46	267700-7650





**VFXEH-E series**

VFXEH20E

- World's first  $\phi 0.4$  mm double needle Iridium Tough.
- DENSO OEM needle technology used by Iridium Tough plugs on the market.
- Both electrodes are needle-shaped for better ignitability and wider heat range, coaxing the maximum power possible from your engine.
- $\phi 12 \times L28.5 \times \text{Hex}14$  (2mm shroud).
- For Nissan, Mazda, Mitsubishi, Mitsuoka



**VKH series**

VKH16 · VKH20 · VKH22 · VKH20Y

- For Subaru
- For Peugeot
- For Citroen
- For NISSAN
- For Renault
- For Mitsubishi
- For TOYOTA
- For ISUZU
- For Mercedes Benz, and others
- Thread length: 26.5 mm



**VK series**

VK16 · VK20 · VK22 · VK20Y


- Mainly for automobiles and trucks
- ISO-compatible small plug
- $\phi 14 \times L19 \times \text{Hex}16$ .
- VK20Y has a gap of 0.8 and is mainly for use with turbo engine vehicles.



**VK-G series**

VK16G · VK20G · VK22G

- Mainly used for cars.
- ISO-compatible small plug
- $\phi 14 \times L19 \times \text{Hex}16$ .
- VK22G can be used for upgrading performance if the gap is set to 0.8.
- VK16G, VK20G, and VK22G have a stainless steel gasket.



**VQ series**

VQ16 · VQ20 · VQ22

- Mainly for automobiles and trucks
- JIS-type Small plug
- $\phi 14 \times L19 \times \text{Hex}16$ .
- VQ22 can be used for upgrading performance if the gap is set to 0.8.



**VKA series**

VKA16 · VKA20

- Corresponding to SK16BGR11, SK20BGR11 and PK20GR8
- Shroud-type
- Thread length: 22 mm
- For TOYOTA D4 engine
- For Mitsubishi GDI engine



**VKB series**

VKB16 · VKB20

- Corresponding to SK16BR11 and SK20BR11
- Thread length: 19 mm
- For TOYOTA D4 engine
- For Mitsubishi GDI engine



**VW series**

VW16 · VW20 · VW22

- Mainly for automobiles and trucks
- $\phi 14 \times L19 \times \text{Hex}20.6$ .



**VT series**

VT16 · VT20

- For Mercedes Benz
- For MAZDA
- For Ford and GM
- Tapered seat



**VXUH series**

VXUH22 · VXUH20I · VXUH22I

- $\phi 12 \times L26.5 \times \text{Hex}16$ .
- Application: BMW, Mercedes Benz, Honda, Mitsubishi, Mazda, Subaru, Suzuki, Daihatsu.
- IRIDIUM POWER IXUH22 is on sale.



**VXU series**

VXU20 · VXU22 · VXU24 · VXU22I

- Applicable for light vehicles
- $\phi 12 \times L19 \times \text{Hex}16$ .
- By fully projecting the insulator (1.5 mm), the heat range is widened and ignitability is improved.



**VCH series**

VCH20

- Insulator Projection is 2.5mm
- Spark position is 4.0mm
- For Toyota
- $\phi 12 \times L26.5 \times \text{Hex}14$ .



**VFK series**

VFK16 · VFK20F

- For Toyota, Honda, Mazda
- Thread length: 19mm



**VXEBH series**

VXEBH27

- For Toyota 86, Subaru BRZ
- World first  $\phi 0.4$  mm new 3select road.
- $\phi 12 \times L26.5 \times \text{Hex}14$ .

# IRIDIUM RACING is recommended for the following user.



## Improve acceleration and engine power with IRIDIUM RACING

Reliability and durability, backed by the racing results of major drivers such as Sorberg, Stoner & Koyama

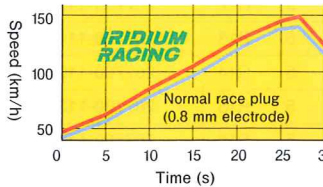
It's the age of iridium electrodes. Discover more acceleration with 0.4 mm DENSO Racing Plugs. DENSO would like you to try the 0.4 mm IRIDIUM RACING advantage. Use IRIDIUM RACING and experience a ride like never before.

### Improved Acceleration



Unbeatable acceleration performance on the circuit.

With an ultra-fine, 0.4 mm diameter center electrode, IRIDIUM RACING plugs are the realization of superb ignition performance and required voltage at unparalleled levels. Misfires have been controlled and will allow you to have steadily high levels of response and increased acceleration.



Plug	13.9	14.0
IRIDIUM RACING	13.950	
Normal race plug (0.8 mm electrode)		13.985

0.3% faster!

\* The data shown is from internal studies. Also, the "Regular Racing Plug" referred to here is a DENSO product.

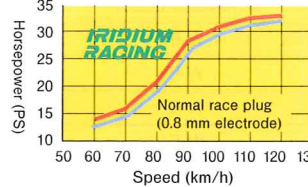
Vehicle: 250 cc (2-cycle water cooled, 2 cylinder) Conditions: WOT 60 to 129 km/h (locked in 6th gear)

### Improved Horse Power



More power with an ideal combustion cycle.

Through superb ignitability and required voltage, non-firing and misfires under a variety of conditions has been greatly reduced. As a result, combustion conditions have improved dramatically, increasing engine output.



Plug	33	34
IRIDIUM RACING	33.92	
Regular race plug (0.8 mm electrode)	33.49	

1.3% up!

\* The data shown is from internal studies. Also, the "Regular Racing Plug" referred to here is a DENSO product.

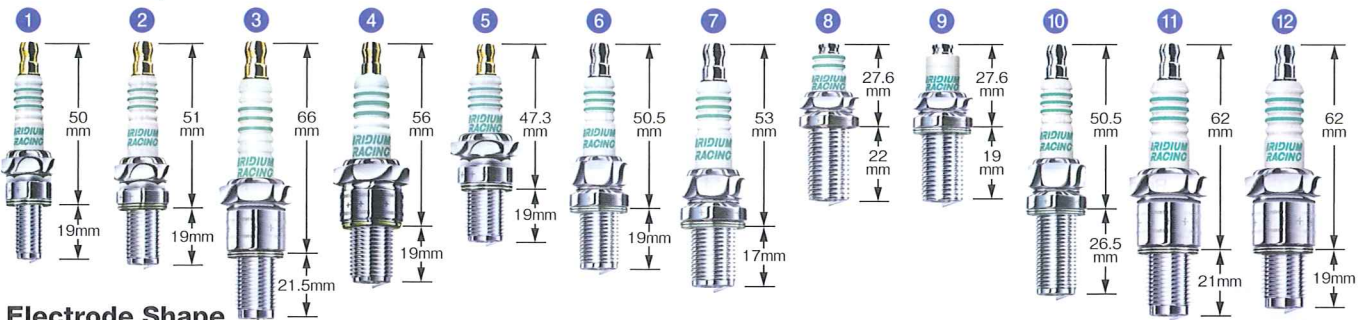
Vehicle: 250 cc (2-cycle water cooled, 2 cylinder) Conditions: WOT 60 to 120 km/h (locked in 4th gear)

## How to Choose a Racing Plug

Warning: On choosing the right racing plug

- Generally, electrodes that project into the combustion chamber have better ignitability and have better performance. However, because of more exposure to high temperature combustion gases and because ground electrode becomes longer, heat resistance and durability decrease. The higher the level of tuning, the greater the need is to use a less projecting type.
- As the level of tuning is increased, so does the need for higher heat range.

### Overall Shape



### Electrode Shape



### Identifying IRIDIUM RACING (Stamped into the Center of the Housing)

Variety	Thread Size	Intermediate Number (Overall Size)	Intermediate Number (Electrode Shape)	Heat Range
I: Iridium	U: 10 mm XU: 12 mm A: 14 mm AE: 14 mm K: 14 mm KH: 14 mm Q: 14 mm RE: 14 mm RL: 14 mm RT: 14 mm W: 14 mm WM: 14 mm		1: Slant ground electrode or surface gap plug. 2: Flat ground electrode 6: Slant ground electrode and non-resistor plug	24 27 29 31 32 34 35

(Exception) IRE01 has a flat ground electrode.

DENSO	TYPE	Figure Electrode	Cross Reference
IU01-□	U-E	1 A	R0373A, R0379A, R016
RU01-□*	U-E (SURFACE)	1 C	R0045J, R0045Q
IXU01-□	XU-E	2 A	R216, R2525
IRE01-□	ROTARY ENGINE	3 B	R6725
IW01-□	W-E	4 A	R6385P, R7379, R6918B
IW06-□	W-E (NON-RESISTOR)	4 A	B-EGP, R4630A
IWM01-□	W-EM	5 A	R5184, R6179AP
IK01-□	ISO (SLANT ELECT)	6 A	R7116, R7117
IK02-□	ISO (STRAIGHT ELECT)	6 B	R7279, R7118, R7119
IQ01-□	SLANT ELECT	7 A	R7236, R7237
IQ02-□	STRAIGHT ELECT	7 B	R7238, R7239
IA01-□	FOR DETONATION COUNTER	8 A	R7282A, R6120A
IAE01-□	FOR W/OUT DETONATION COUNTER	9 A	R7282, R6120
IKH01-□	K-LONGREACH	10 A	R7438
IRL01-□	ROTARY ENGINE RX8	11 A	R7440A-L
IRT01-□	ROTARY ENGINE RX8	12 A	R7440B-L

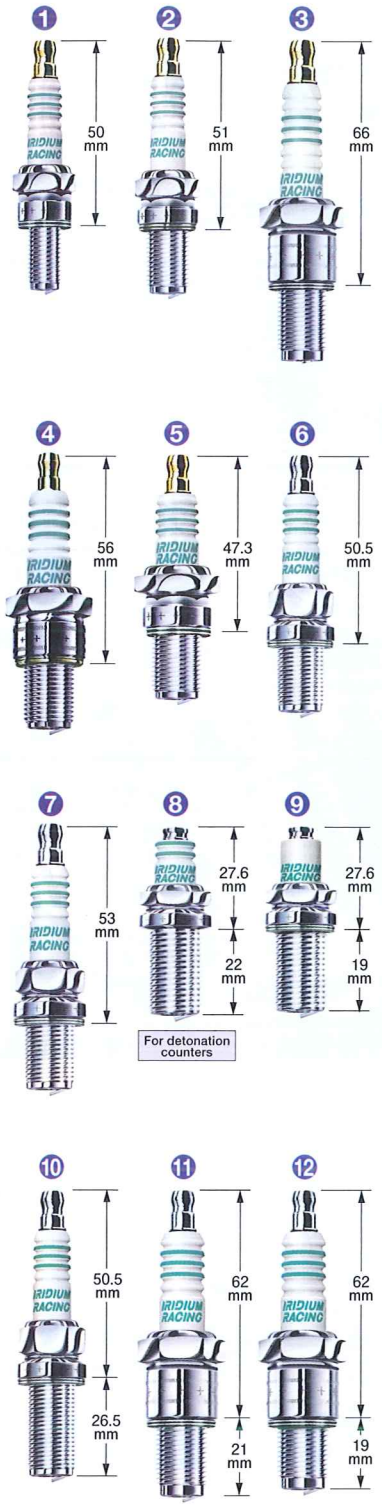
RU01-□ are surface gap plugs, not ones with iridium center electrode and all-platinum ground electrodes. □: indicote's the heat range.

IRIDIUM RACING is ideal for racing and tuned-up engines; please choose one based on the heat range of the standard plug or IRIDIUM POWER plugs used currently that is suited to your level of tuning.

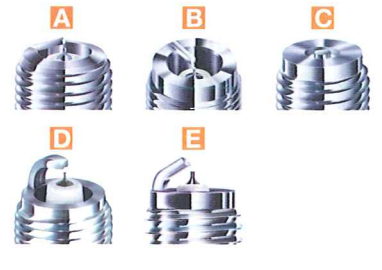
# IRIDIUM RACING® CROSS REFERENCE

DENSO			NGK					
IRIDIUM POWER	IRIDIUM RACING	FIGURE	DIA. (mm)	REACH (mm)	HEX (mm)	RESISTOR	FIGURE	TYPE
IW□		4 D	14	19	20.6		BP-E	R4304A-□
	IW01/IW06-□(Note 1)	4 A	14	19	20.6		B-E	B□EGP
IW□		4 A	14	19	20.6		B-E	B□EGV
IW□		4 D	14	19	20.6		B-E	R4118S-□
	IW01/IW06-□(Note 1)	4 A	14	19	20.6		B-E	R4630A-□
	IW01/IW06-□(Note 1)	4 A	14	19	20.6	R	B-E	R6252K-□
	IW01/IW06-□(Note 1)	4 A	14	19	20.6	R	B-E	R6918B-□
	IW01/IW06-□(Note 1)	4 A	14	19	20.6	R	B-E	R6918C-□
IW□		4 D	14	19	20.6	R	B-E	R6021E-□
	IW01/IW06-□(Note 1)	4 A	14	19	20.6	R	B-E	R6385-□P
	IW01/IW06-□(Note 1)	4 A	14	19	20.6	R	B-E	R7376-□(Ir)
			14	19	20.6		B-E SEMISURFACE	R5649-□
	IWM01-□	5 A	14	19	20.6	R	B-E SEMISURFACE	R6712-□
			14	19	20.6		B-E COMPACT	R5184-□
			14	19	20.6	R	B-E COMPACT	R5300A-□
			14	19	20.6	R	B-E COMPACT	R5300N-□
	IWM01-□	5 A	14	19	20.6	R	B-E COMPACT	R5540F-□
			14	19	20.6	R	B-E COMPACT	R6179A-□P
			14	22	20.6	R	B-E COMPACT	R6179C-□PA
			14	22	20.6	R	B-E	R7376B(Ir)
	IA01-□	8 A	14	22	16	R	BC-E COMPACT	R6120A-□
	IA01-□	8 A	14	22	16	R	BC-E COMPACT	R7282A-□(Ir)
	IAE01-□	9 A	14	19	16	R	BC-E COMPACT	R6120-□
	IAE01-□(Note 2)	9 A	14	19	16	R	BC-E COMPACT	R6120C-□
	IAE01-□(Note 2)	9 A	14	19	16	R	BC-E COMPACT	R6120M-□
	IAE01-□	9 A	14	19	16	R	BC-E COMPACT	R7282-□(Ir)
	IAE01-□(Note 2)	9 A	14	19	16	R	BC-E COMPACT	R7282C-□(Ir)
	IAE01-□(Note 2)	9 A	14	19	16	R	BC-E COMPACT	R7282M-□(Ir)
IK□		6 D	14	19	16	R	BK-E ISO	R6888A-□
IK□		6 D	14	19	16		BK-E ISO	R7112-□
IK□		6 D	14	19	16	R	BK-E ISO	R7113-□
IK□		6 D	14	19	16	R	BK-E ISO	R7433-□(Ir)
IK□		6 D	14	19	16		BK-E ISO	R7114-□
IK□		6 D	14	19	16	R	BK-E ISO	R7115-□
	IK01-□	6 A	14	19	16	R	BK-E ISO	R7116-□
	IK01-□	6 A	14	19	16	R	BK-E ISO	R7117-□
	IK02-□	6 B	14	19	16	R	BK-E ISO	R7118-□
	IK02-□	6 B	14	19	16	R	BK-E ISO	R7119-□
	IK01-□	6 A	14	19	16	R	BK-E ISO	R7434-□(Ir)
	IK02-□	6 B	14	19	16	R	BK-E ISO	R7279-□(Ir)
			14	19	16	R	BK-E SEMISURFACE	R6601-□
			14	19	16		BK-E SEMISURFACE	R6711-□
IQ□		7 D	14	19	16	R	BCP-E	R7435-□(Ir)
IQ□		7 D	14	19	16		BCP-E	R7232-□
IQ□		7 D	14	19	16	R	BCP-E	R7233-□
IQ□		7 D	14	19	16		BC-E	R7234-□
IQ□		7 D	14	19	16	R	BC-E	R7235-□
	IQ01-□	7 A	14	19	16		BC-E	R7236-□
	IQ01-□	7 A	14	19	16	R	BC-E	R7237-□
	IQ02-□	7 B	14	19	16		BC-E	R7238-□
	IQ02-□	7 B	14	19	16	R	BC-E	R7239-□
	IQ01-□	7 A	14	19	16	R	BC-E	R7436-□(Ir)
			14	19	16		BC-E SEMISURFACE	R5883-□
			14	19	16	R	BC-E SEMISURFACE	R6690-□
IKH□		10 D	14	26.5	16	R	LFR	R7437-□(Ir)
	IKH01-□	10 A	14	26.5	16	R	LFR	R7438-□(Ir)
IWF□		— D	14	12.7	20.6		B-H	R5525-□
			14	12.7	20.6		B-H	R5530-□
	IRE01-□	3 B	14	21.5	20.6	R	ROTARY	R6725-□
	IRE01-□	3 B	14	21.5	20.6	R	ROTARY	R7420-□(Ir)
			14	21.5	20.6		ROTARY, SURFACE	T813J-N13
	IRL01-□	11 A	14	21	20.6	R	ROTARY RX-8(L)	R7440A-□L(Ir)
	IRT01-□	12 A	14	19	20.6	R	ROTARY RX-8(T)	R7440B-□T(Ir)
	IXU01-□(Note 3)	2 A	12	19	18		D-E	R216-□
IX□(Note 3)	IXU01-□(Note 3)	2 D, 2 A	12	19	18		D-E	R217-□
			12	21	18		D-Z	R2188-□
			12	19	16	R	DC-E SEMISURFACE	R2349-□
	IXU01-□(Note 3)	2 A	12	19	16	R	DC-E	R2525-□
			12	19	16		DC-E SEMISURFACE	R2430-□
	IU01-□	1 A	10	19	16		C-E	R016-□
IU□A		1 E	10	19	16		C-E	R017-□
	IU01-□	1 A	10	19	16		C-E	R0373A-□(Ir)
			10	19	16		C-E SEMISURFACE	R0045G-□
	RU01-□	1 C	10	19	16		C-E SEMISURFACE	R0045J-□
	RU01-□	1 C	10	19	16	R	C-E SEMISURFACE	R0045Q-□
	IU01-□	1 A	10	19	16	R	C-EH HALF THREAD	R0379A-10(Ir), R0409B-□
IUF□(A)		— D, — E	10	12.7	16		C-H	R0161-□
IY□		— D	8	19	12.7	R	E-EH SEMISURFACE	R847-□

## Overall shape



## Electrode shape



(Note 1) IW06 is a non resistor type  
 (Note 2) Remove the gasket with nippers before use  
 (Note 3) IX □ B and IX □ is different from IXU01- □ only in the hex size (18 mm or 16 mm), and are otherwise interchangeable in terms of installation.  
 ( □ ) show the heat range.

**DENSO**  
 AUSTRALIA CHINA INDIA INDONESIA KOREA MALAYSIA PHILIPPINES SAUDIARABIA SINGAPORE TAIWAN THAILAND VIETNAM JAPAN & USA  
 EUROPE MOTOR SMALL CROSS PART  
 CYCLE ENGINE REFERENCE NUMBER  
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# The plugs configuration

D12 × L26.5 × O14  
 Thread diameter × length × Hex size

**Iridium plug**  
**Super ignition, 12 mm dia., long-reach shroud iridium plug**

EX FXE20HE11

0.55 mm diameter Iridium  
 0.7 mm diameter Platinum

- Super Ignition Plug
- The needle-shaped ground electrode of this revolutionary iridium plug features DENSO's own exclusive technology, resulting in an unparalleled reduction of quenching effect.
- Equipped as original parts on Nissan's TIDA and NOTE
- D12 × L26.5 × O14
- NISSAN

**Iridium plug**  
**Super ignition, long-reach iridium plug**

EX FK20HR11

- Super Ignition Plug
- By pairing an ultra-fine 0.55 mm diameter iridium alloy tip on the center electrode with a platinum tip on the ground electrode, this iridium plug will realize a very long lifetime.
- Equipped on Toyota's SIENTA and CROWN as genuine parts since 2003.
- D14 × L26.5 × O16
- TOYOTA

**Iridium plug**  
**Super ignition, iridium plug**

EX FK16R11 · FK16PR11

- Super Ignition Plug
- D14 × L19 × O16
- TOYOTA
- MAZDA

**Iridium plug**  
**Long-reach iridium plug**

EX SK16HR11 · SK20HPR-L11

- D14 × L26.5 × O16
- Honda / Toyota

**Iridium plug**  
**New triple-electrode iridium plug**

EX SK20BR11 · SK20BGR11

- Under normal operating conditions the main electrode sparks, but if it becomes fouled, side electrodes generate the spark to burn off any carbon - this plug is the optimum design for direct fuel-injection engines. Equipped as original parts for 3000 cc direct injection engines (D-4) on TOYOTA's CROWN and other models.
- D14 × L19 × O16
- TOYOTA

**Iridium plug**  
**Iridium plug**

EX SK20R11 · SK16R-P11 · SK20PR-A11 · SK20PR-B11 · SK16PR-E11 · SK20PR-F8 · SKJ16CR-L11 · SKJ16CR-A8

- We developed a 0.7 mm diameter ultra-fine iridium alloy electrode, the first in the world. Ignitability and lifetime have dramatically improved. The SK16R-P11 is equipped as original parts on TOYOTA's CENTURY.
- D14 × L19 × O16
- TOYOTA / HONDA / MAZDA / MITSUBISHI / HYUNDAI / SUZUKI

**Iridium plug**  
**Iridium plug with stainless steel gasket**

EX SK22PR-M11S · SK20PR-L9S

- D14 × L19 × O16
- HONDA

**Iridium plug**  
**Extended shroud iridium plug**

EX SKJ20DR-M11S · SKJ20DR-M11

- D14 × L20.5 × O16
- HONDA
- \*SKJ20DR-M11S with stainless steel gasket

**Iridium plug**  
**12 mm long-reach iridium plug**

EX SXU22HR9 · SXU22HDR8 · SXU16HPR9

- D12 × L26.5 × O16
- DAIHATSU / ISUZU / MITSUBISHI

**Iridium plug**  
**12 mm long-reach iridium plug**

EX ZXE20HR13

- By joining an ultra-fine 0.55 mm diameter iridium alloy tip on center electrode and platinum tip on ground electrode, this iridium plug has realized a very long lifetime.
- D12 × L26.5 × O14
- NISSAN

**Iridium plug**  
**0.4 mm dia. iridium plug with platinum tip ground electrode**

EX SVK20RZ11 · SVK20RZ8 · VK16PR-Z11 · VK20PR-Z11 · VK22PR-Z11 · VK24PR-Z11 · VK27PR-Z11

- D14 × L19 × O16
- DAIHATSU / MITSUBISHI / HONDA

**Iridium plug**  
**0.4 mm dia. iridium plug with platinum tip ground electrode**

EX VNH27Z · VNH24Z

- D10 × L(6.3 + 12.7) × O16
- Honda Motorcycles

**Iridium plug**  
**0.4 mm dia. iridium plug with platinum tip ground electrode**

EX VUH27D · VUH27ES · VUH24D

- D10 × L(6.3 + 12.7) × O16
- Honda Motorcycles
- \*VUH27ES with stainless steel gasket

**Iridium plug**  
**0.4 mm dia. iridium plug**

EX IXU22C

- D12 × L19 × O16
- SUZUKI

**Iridium plug**  
**0.4 mm dia. iridium plug**

EX IUH27D · IUH24D

- Supplied 0.4 mm diameter iridium plugs to Honda Motorcycles for the first time in the world.
- D12 × L(6.3 + 12.7) × O14
- HONDA Motorcycles CBR900RR

**Iridium plug**  
**0.4 mm dia. iridium plug**

EX IU27D

- D10 × L19 × O16
- YAMAHA Motorcycles YZFR-1
- SUZUKI GSX1300R B-KING

**Platinum plug**  
**Platinum plug**

EX PK20R11

Platinum tip

- Platinum is used for both the center and ground electrodes.
- Mileage, drivability, and durability are improved by using a finer center electrode with a platinum tip.
- D14 × L19 × O16
- TOYOTA / DAIHATSU

**Platinum plug**  
**Double-electrode platinum plug**

EX PK20TR11 · PK20PTR-S9

- Platinum tip is mounted on both the center and ground electrodes.
- The double-electrode structure reduces the voltage required for positive discharges.
- D14 × L19 × O16
- TOYOTA / DAIHATSU

**Cars & trucks plugs**  
**Long-reach plug**

EX K20HR-U11 · K16HPR-U11

- D14 × L26.5 × O16
- TOYOTA

**DENSO**  
 IRIIDIUM POWER  
 AUSTRALIA CHINA INDIA INDONESIA KOREA MALAYSIA PHILIPPINES SAUDIARABIA SINGAPORE TAIWAN THAILAND VIETNAM JAPAN  
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DENSO  
 IRIDIUM POWER  
 CHINA AUSTRALIA  
 INDIA INDONESIA  
 KOREA MALAYSIA  
 PHILIPPINES SINGAPORE  
 SAUDI ARABIA  
 TAIWAN THAILAND  
 VIETNAM JAPAN  
 EUROPE & USA  
 SMALL MOTOR  
 CROSS REFERENCE  
 PART NUMBER  
 ENGINE CYCLE

**Cars & trucks plugs**  
**ISO-compatible small hex plug**  
 EX. K16R-U11 · K16PR-U11

- Compatible with ISO standards
- \* SKJ20DR-M11S with stainless steel gasket
- φ14×L19× $\varnothing$ 16
- TOYOTA, and others

ISO TYPE

**Cars & trucks plugs**  
**Small hex plug**  
 EX. Q16R-U11 · Q16PR-U11

- By reducing the hex size (16 mm), this plug is lighter in weight.
- D14×L19× $\varnothing$ 16
- TOYOTA, and others

**Cars & trucks plugs**  
**Extended shroud plug**  
 EX. KJ20DR-M11 · KJ20DR-M11S

- D14×L19× $\varnothing$ 16
- HONDA

**Cars & trucks plugs**  
**Extended plug**  
 EX. KJ20CR11 · KJ16CR-U11

- KJ20CR11: no U-Groove
- KJ20CR-U: with U-Groove
- D14×L19× $\varnothing$ 16
- MAZDA, MITSUBISHI

**Cars & trucks plugs**  
**Extended plug**  
 EX. KJ20CR-L11

- The tip of the ground electrode has a taper-cut, and the center electrode is made finer for improved ignitability.
- D14×L19× $\varnothing$ 16
- HONDA

**Cars & trucks plugs**  
**Double-electrode semi-surface plug**  
 EX. W20ETR-S11

- With this new supplementary gap, resistance to fouling is improved.
- D14×L19× $\varnothing$ 20.6
- TOYOTA, DAIHATSU

**Cars & trucks plugs**  
**Triple-electrode plug**  
 EX. K22PB · W20EPB

- Durability is improved with three ground electrodes.
- D14×L19× $\varnothing$ 16 (K22PB)
- AUDI / VW / CITROEN / FIAT / MERCEDES-BENZ / RENAULT

**Cars & trucks plugs**  
**12 mm long-reach plug**  
 EX. XU22HR9

- D12×L26.5× $\varnothing$ 16
- DAIHATSU

**Cars & trucks plugs**  
**12 mm dia. plug**  
 EX. XU22EPR-U

- By reducing the hex size (16 mm), this plug may be used in light vehicles. Thread diameter is 12 mm.
- D12×L19× $\varnothing$ 16
- SUZUKI / MITSUBISHI

**Cars & trucks plugs**  
**12 mm diameter long-reach plug with 14 mm hex size**  
 EX. XE20HR-U9

- D12×L26.5× $\varnothing$ 14
- RENAULT

**Cars & trucks plugs**  
**Taper seat plug**  
 EX. T16EPR-U

- This plug may be installed only in non-Japanese cars and has no gasket.
- D14×L17.5× $\varnothing$ 16
- GM, Ford

**Motorcycle plugs**  
**Compact head plug**  
 EX. W27EMR-C

- Plug with compact insulator head
- D14×L19× $\varnothing$ 20.6
- HONDA / SUZUKI

**Motorcycle plugs**  
**12 mm dia. shroud plug**  
 EX. X24GP-U

- D12×L(19+3)× $\varnothing$ 18
- HONDA

**Motorcycle plugs**  
**12 mm dia. ×19 mm plug**  
 EX. X24EPR-U

- D12×L19× $\varnothing$ 18
- HONDA / SUZUKI / YAMAHA

**Motorcycle plugs**  
**10 mm dia. plug with half-sized threads and stainless steel gasket**  
 EX. U24FER9S

- D10×L(6.3+12.7)× $\varnothing$ 16
- HONDA

**Motorcycle plugs**  
**10 mm dia. plug with half-sized threads**  
 EX. U27FER9

- With its wider spark gap of 0.9 mm compared to conventional plugs (0.6 to 0.7 mm), this plug has improved ignitability.
- D10×L(6.3+12.7)× $\varnothing$ 16
- HONDA

**Motorcycle plugs**  
**10 mm dia. double-electrode plug**  
 EX. U31ETR

- With two ground electrodes, heat resistance is improved.
- D10×L19× $\varnothing$ 16
- KAWASAKI / SUZUKI

**Motorcycle plugs**  
**10 mm dia. ×19 mm plug**  
 EX. U27ESR-N

- Increasing the projection length by 0.5 mm improves resistance to fouling.
- D10×L19× $\varnothing$ 16
- YAMAHA / KAWASAKI / SUZUKI

**Motorcycle plugs**  
**10 mm dia. ×12.7 mm plug**  
 EX. U20FSR-U

- D10×L12.7× $\varnothing$ 16
- HONDA / YAMAHA / SUZUKI

**Motorcycle plugs**  
**8 mm dia. plug**  
 EX. Y27FER-C

- D8×L(6.3+12.7)× $\varnothing$ 13
- HONDA