

DENSO Spark Plugs | Identification

Standard plugs / Platinum plugs / Iridium plugs								
W	16			E	X	R	U	11
Thread diameter and Hex size	Heat range			Thread reach	Electrode design	Internal construction	Gap configuration	Spark gap
<p>Thread diameter & Hex size</p> <p>FK 14x16.0 (Double ground plug)</p> <p>J 14x20.8 (Double ground plug)</p> <p>L 18x22.2 (Double ground plug)</p> <p>M 18x25.4 (Double ground plug)</p> <p>MA 18x20.8 (Deep seat, Reach 12mm)</p> <p>MM 18x20.8 (Reach 12mm)</p> <p>N 10x16.0</p> <p>K 14x16.0</p> <p>KJ 14x16.0</p> <p>P 14x20.8 (Platinum plug)</p> <p>PK 14x16.0 (Platinum plug)</p> <p>PKJ 14x16.0 (Platinum plug, Projected)</p> <p>PO 14x16.0 (Platinum plug)</p> <p>PTJ 14x16.0 (Platinum plug, Projected, Taper seat)</p> <p>QJ 14x16.0 (Platinum plug)</p> <p>OL 14x16.0 (Iridium coating)</p> <p>S 14x20.8 (Iridium plug)</p> <p>SF 14x20.8 (Iridium plug)</p> <p>SK 14x16.0 (Iridium)</p> <p>SKJ 14x16.0 (Iridium, Platinum)</p> <p>SVK 14x16.0 (Iridium, Platinum)</p> <p>SWK 14x16.0 (Iridium, Platinum)</p> <p>SXJ 12x14.0 (Iridium)</p> <p>TR 14x20.8 (Iridium applications, Reach 12.5mm)</p> <p>U 10x16.0</p> <p>U 10x14.0 (Iridium)</p> <p>VK 14x16.0 (Iridium, Platinum)</p> <p>VKJ 14x16.0 (Iridium, Platinum)</p> <p>WV 14x20.8 (Iridium, Platinum)</p> <p>W 14x20.8 (Iridium)</p> <p>X 12x18.0</p> <p>XE 12x14.0 (Iridium)</p> <p>XU 12x16.0</p> <p>Y 8x13.0</p> <p>Z 1/2 PPx23.8 (Iridium)</p> <p>ZXE 12x14.0 (Iridium)</p> <p>ZXU 12x16.0 (Iridium)</p> <p>ZT 14x16.0 (Iridium)</p>	<p>DENSO</p> <p>NGK</p> <p>Champion</p> <p>Bosch</p>	<p>A 19.0mm (Standard position 7mm)</p> <p>B 19.0mm (Standard position 5.5mm)</p> <p>C 19.0mm (Standard position 5mm)</p> <p>D 19.0mm (Standard position 3mm)</p> <p>E (Gasket) 19.0mm 20.0mm</p> <p>E (Taper seat) 17.5mm 19.0mm (Half thread)</p> <p>H 19.0mm (Standard position 8.5mm)</p> <p>L 11.2mm</p> <p>M 8.6mm</p> <p>N (Taper seat) 17.5mm (Half thread)</p> <p>V (Taper seat) 25.0mm</p> <p>None (Gasket) 9.5mm 11.2mm 19.0mm 21.5mm</p> <p>None (Taper seat) 8.3mm 11.2mm</p>	<p>A Double ground electrodes</p> <p>A Oblique ground electrodes (for Racing)</p> <p>AY Double ground electrodes (bent shape)</p> <p>B Triple ground electrodes</p> <p>BO Triple ground electrodes (shrouded)</p> <p>D Quadruple ground electrodes</p> <p>K 1mm insulator projection</p> <p>LM Compact type (Hex size 20.6mm)</p> <p>M Shortened insulator head length</p> <p>L 11.2mm</p> <p>N Racing type (Nickel electrode)</p> <p>PI Racing type (Platinum electrode)</p> <p>S Non-projected</p> <p>T Double ground electrodes</p> <p>TM Double ground electrodes</p> <p>VM Double ground electrodes</p> <p>X Extra projected (2.5mm projection)</p>	<p>R Resistor</p> <p>None</p> <p>Exception S29, S29A, both have resistor</p>	<p>-A Increased platinum size on ground electrode</p> <p>-B Platinum on ground electrode</p> <p>-C Cut-back ground electrode</p> <p>-F Platinum on ground electrode</p> <p>-G Lubricated thread (for CNG applications)</p> <p>-OL Platinum center electrode</p> <p>-L 3.5mm projected insulator</p> <p>-M Increased ground electrode length</p> <p>-N For Kawasaki and Yamaha</p> <p>-P Double layer of platinum on ground electrode</p> <p>-S Semi-surface gap</p> <p>-S Stainless steel gasket</p> <p>-TP Platinum center electrode; Tapered ground electrode</p> <p>-U U-groove in ground electrode</p> <p>-US Star shaped center electrode; U-groove in ground electrode</p> <p>-Z Tapered ground electrode</p> <p>-ZU 0.7mm platinum center electrode; Tapered ground electrode</p>	<p>5 0.5mm (020°)</p> <p>8 0.8mm (032°)</p> <p>9 0.9mm (037°)</p> <p>10 1.0mm (040°)</p> <p>11 1.1mm (044°)</p> <p>13 1.3mm (050°)</p> <p>14 1.4mm (053°)</p> <p>15 1.5mm (060°)</p> <p>20 2.0mm (080°)</p> <p>None Cars: 0.8mm MC: 0.7mm</p> <p>Exception P16R, PQ16R, PQ20R are 1.1mm</p>		

Iridium Power / Iridium Tough				
I	U	27	A	
High Performance plug	Thread Diameter, Reach, Hex size	Heat range	Type	
<p>I 0.4mm Iridium center electrode</p> <p>V 0.4mm Iridium center electrode; Platinum tipped ground electrode</p>	<p>Thread diameter & Reach & Hex size (mm)</p> <p>K 14x19.0x16.0</p> <p>KH 14x26.5x16.0</p> <p>Q 14x19.0x16.0</p> <p>T 14x17.0x16.0 (Taper seat)</p> <p>TL 14x11.2x16.0 (Taper seat)</p> <p>TV 14x25.0x16.0 (Taper seat; Long insulator)</p> <p>U 10x19.0x16.0</p> <p>UF 10x12.7x16.0</p> <p>UH 10x19.0 (Half thread) x16.0</p> <p>W 14x19.0x20.6</p> <p>WF 14x12.7x20.6</p> <p>WM 14x19.0x20.6 (Compact insulator)</p> <p>X 12x19.0x18.0</p> <p>XG 12x21.0x18.0 (Shrouded)</p> <p>XU 12x19.0x16.0</p> <p>Y 8x19.0 (Half thread) x13.0</p>	<p>DENSO</p> <p>NGK</p> <p>Champion</p> <p>Bosch</p>	<p>A Slant electrode; No U-groove; No taper cut</p> <p>B 1.5mm projected insulator</p> <p>C No U-groove</p> <p>D No U-groove; Inconel ground electrode</p> <p>ES Stainless steel gasket</p> <p>G Stainless steel gasket</p> <p>J 2.5mm projected insulator</p> <p>T Strengthening insulator; TAXI applications</p> <p>X 0.8mm Gap</p> <p>Y 0.8mm Gap</p> <p>Z Taper cut</p>	

Iridium Racing				
I	W	O	1	27
High Performance plug	Thread Diameter, Reach, Hex size	Overall size	Electrode shape	Heat range
<p>I 0.4mm Iridium centre electrode</p> <p>R Surface gap</p>	<p>Thread diameter & Reach & Hex size (mm)</p> <p>A 14x22.0x16.0</p> <p>AE 14x19.0x16.0</p> <p>K 14x19.0x16.0</p> <p>KH 14x26.5x16.0</p> <p>Q 14x19.0x16.0</p> <p>RE 14x21.0x20.8</p> <p>RL 14x21.0x20.8</p> <p>RT 14x19.0x20.8</p> <p>U 10x19.0x16.0</p> <p>W 14x19.0x20.8</p> <p>WM 14x19.0x20.8</p> <p>XU 12x19.0x16.0</p>	<p>Intermediate number</p>	<p>Intermediate number</p> <p>1 Slant ground electrode or surface gap</p> <p>2 Straight ground electrode</p> <p>6 Slant ground electrode; non-resistor</p>	<p>DENSO</p> <p>NGK</p> <p>Champion</p> <p>Bosch</p>

RU01 are surface gap plugs, NO Iridium centre electrode and NO all-platinum ground electrodes