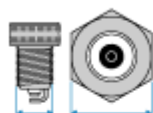


A next-generation plug that draws out engine evolution with a high-performance spark

IRIDIUM POWER[®] Specifications

Using a platinum-tipped ground electrode to realize high-performance operation and long life.

I	High Performance Plug	I0.4mm diameter iridium V0.4mm diameter iridium with platinum tip																																												
U	Thread Diameter, Reach, and Hex Size 	< Thread Diameter × Reach × Hex Size > (mm) K ... 14×19.0×16.0 KA... 14×19.0 (Shrouded 2.5, New Triple Electrodes) × 16.0 KB ... 14×19.0 (New Triple Electrodes) × 16.0 KD ... 14×19.0 (Shrouded 2.5) × 16.0 KH ... 14×26.5×16.0 NH ... 10×19.0 (Half Thread) × 16.0 T ... 14×17.5 (Taper Seat) × 16.0 TF ... 14×11.2 (Taper Seat) × 16.0 TL ... 14×25.0 (Taper Seat, Long Insulator) × 16.0 TV ... 14×25.0 (Taper Seat) × 16.0 Q ... 14×19.0×16.0 U ... 10×19.0×16.0 UF ... 10×12.7×16.0 UH ... 10×19.0 (Half Thread) × 16.0 Y ... 14×19.0×20.6 YF ... 14×12.7×20.6 YM... 14×19.0×20.6 (Compact Insulator) X ... 12×19.0×18.0 XG ... 12×19.0×(Shrouded 2.5)×18.0 XU ... 12×19.0×16.0 Y ... 8×19.0 (Half Thread) × 13.0																																												
27	Heat Range 	<table><tr><th>DENSO</th><th>16</th><th>20</th><th>22</th><th>24</th><th>27</th><th>29</th><th>31</th><th>32</th><th>34</th><th>35</th></tr><tr><td>NGK</td><td>5</td><td>6</td><td>7</td><td>8</td><td>9</td><td>9.5</td><td>10</td><td>10.5</td><td>11</td><td>11.5</td></tr><tr><td>CHAMPION</td><td>12,11</td><td>10,9</td><td>8,7</td><td>6,63,61</td><td>4,59</td><td>57</td><td>55</td><td>53</td><td></td><td></td></tr><tr><td>BOSCH</td><td>8</td><td>7,6</td><td>5</td><td>4</td><td>3</td><td></td><td>2</td><td></td><td></td><td></td></tr></table>	DENSO	16	20	22	24	27	29	31	32	34	35	NGK	5	6	7	8	9	9.5	10	10.5	11	11.5	CHAMPION	12,11	10,9	8,7	6,63,61	4,59	57	55	53			BOSCH	8	7,6	5	4	3		2			
DENSO	16	20	22	24	27	29	31	32	34	35																																				
NGK	5	6	7	8	9	9.5	10	10.5	11	11.5																																				
CHAMPION	12,11	10,9	8,7	6,63,61	4,59	57	55	53																																						
BOSCH	8	7,6	5	4	3		2																																							
A	Type	A ... Slant electrode, No U-Groove, No taper cut B ... Projected insulator (1.5mm) C ... No U-Groove D ... No U-Groove, Inconel ground electrode ES ... Stainless steel gasket F ... Special G ... Stainless steel gasket J ... Spark position: 5 mm K ... Spark position: 4 mm L ... Spark position: 5 mm M ... Spark position: 4 mm, for LPG applications T ... For LPG applications Y ... 0.8mm gap Z ... Taper cut																																												

Specifications

TYPE	SPEC	DIA.	REACH	HEX	GAP	PROJECTION	SPARK POSITION	ELECTRODE SHAPES	RESISTOR	No.	IRIDIUM POWER ONE PC BOX		IRIDIUM POWER 2pcs BLISTER PACK		
											BARCODE	DENSO P/N	BARCODE	DENSO P/N	
IQ16	JIS	14	19	16	1.1	1.5	3.0	5.5	RC	5	I01	0 42511 05301 4	067700- 8700	0 42511 02301 7	100676- 3380
IQ20	JIS	14	19	16	1.1	1.5	3.0	5.5	RC	5	I02	0 42511 05302 1	067700- 8710	0 42511 02302 4	100676- 3390
IQ22	JIS	14	19	16	0.8	1.5	3.0	5.2	RC	5	I13	0 42511 05313 7	067700- 8480	0 42511 02313 0	100676- 3480
IQ24	JIS	14	19	16	0.8	1.5	3.0	5.2	RC	5	I14	0 42511 05314 4	067700- 8490	0 42511 02314 7	100676- 3490
IQ27	JIS	14	19	16	0.8	1.5	3.0	5.2	RC	5	I15	0 42511 05315 1	067700- 8500	0 42511 02315 4	100676- 3500
IQ31	JIS	14	19	16	0.8	0.5	1.0	3.2	RC	5	I23	0 42511 05323 6	067700- 9230	0 42511 02323 9	100676- 3520

IQ34	JIS	14	19	16	0.8	- 0.5	1.0	3.2	RC	5	I24	0 42511 05324 3	067700- 9600	0 42511 02324 6	100676- 3830
IK16	ISO	14	19	16	1.1	1.5	3.0	5.5	RC	5	I03	0 42511 05303 8	067700- 8680	0 42511 02303 1	100676- 3360
IK20	ISO	14	19	16	1.1	1.5	3.0	5.5	RC	5	I04	0 42511 05304 5	067700- 8690	0 42511 02304 8	100676- 3370
IK22	ISO	14	19	16	0.8	1.5	3.0	5.2	RC	5	I10	0 42511 05310 6	067700- 8430	0 42511 02310 9	100676- 3450
IK24	ISO	14	19	16	0.8	1.5	3.0	5.2	RC	5	I11	0 42511 05311 3	067700- 8460	0 42511 02311 6	100676- 3460
IK27	ISO	14	19	16	0.8	1.5	3.0	5.2	RC	5	I12	0 42511 05312 0	067700- 8470	0 42511 02312 3	100676- 3470
IK31	ISO	14	19	16	0.8	- 0.5	1.0	3.2	RC	5	I21	0 42511 05321 2	067700- 9220	0 42511 02321 5	100676- 3510
IK34	ISO	14	19	16	0.8	- 0.5	1.0	3.2	RC	5	I22	0 42511 05322 9	067700- 9590	0 42511 02322 2	100676- 3600
IK16G	ISO,SUS GASKET	14	19	16	1.1	1.5	3.0	5.5	S	5	I51	0 42511 05351 9	267700- 5610		
IK20G	ISO,SUS GASKET	14	19	16	1.1	1.5	3.0	5.5	S	5	I52	0 42511 05352 6	267700- 5620		
IK22G	ISO,SUS GASKET	14	19	16	0.8	1.5	3.0	5.2	S	5	I48	0 42511 05348 9	267700- 5660	0 42511 02348 2	100676- 5350
IK16L	ISO, EXTENDED	14	19	16	1.1	2.5	5.0	7.8	RC	5	I57	0 42511 05357 1	267700- 5120		
IK20L	ISO, EXTENDED	14	19	16	1.1	2.5	5.0	7.8	RC	5	I58	0 42511 05358 8	267700- 5130		
IKH16	Long Reach 26.5 mm	14	26.5	16	1.1	1.5	3.0	5.5	RC	5	I43	0 42511 05343 4	267700- 3660	0 42511 02343 7	100676- 5160
IKH20	Long Reach 26.5 mm	14	26.5	16	1.1	1.5	3.0	5.5	RC	5	I44	0 42511 05344 1	267700- 3670	0 42511 02344 4	100676- 5140
IKH22	Long Reach 26.5 mm	14	26.5	16	0.8	1.5	3.0	5.2	RC	5	I45	0 42511 05345 8	267700- 2650	0 42511 02345 1	100676- 5170
IKH24	Long Reach 26.5 mm	14	26.5	16	0.8	1.5	3.0	5.2	RC	5	I46	0 42511 05346 5	267700- 4280	0 42511 02346 8	100676- 5180
IKH27	Long Reach 26.5 mm	14	26.5	16	0.8	1.5	3.0	5.2	RC	5	I47	0 42511 05347 2	267700- 4290	0 42511 02347 5	100676- 5190
IW16		14	19	20.6	1.1	1.5	3.0	5.5	RC	5	I05	0 42511 05305 2	067700- 8650	0 42511 02305 5	100676- 3400
IW20		14	19	20.6	1.1	1.5	3.0	5.5	RC	5	I06	0 42511 05306 9	067700- 8660	0 42511 02306 2	100676- 3410
IW22		14	19	20.6	0.8	1.5	3.0	5.2	RC	5	I07	0 42511 05307 6	067700- 8670	0 42511 02307 9	100676- 3420
IW24		14	19	20.6	0.7	-	1.5	3.6	RC	5	I16	0 42511	067700-		

						0.5							05316 8	8890		
IW27		14	19	20.6	0.7	-0.5	1.5	3.6	RC	5	I17	0 42511 05317 5	067700- 8900			
IW29		14	19	20.6	0.7	-0.5	1.5	3.6	RC	5	I18	0 42511 05318 2	067700- 8910			
IW31		14	19	20.6	0.7	-0.5	1.5	3.6	RC	5	I19	0 42511 05319 9	067700- 8920			
IW34		14	19	20.6	0.7	-0.5	1.5	3.6	RC	5	I20	0 42511 05320 5	067700- 8930			
IWM24	INSULATOR COMPACT	14	19	20.6	0.8	-1.5	0.5	2.7	S	5	I91	0 42511 05391 5	267700- 2890			
IWM27	INSULATOR COMPACT	14	19	20.6	0.8	-1.5	0.5	2.7	S	5	I92	0 42511 05392 2	267700- 2900			
IWM31	INSULATOR COMPACT	14	19	20.6	0.8	-1.5	0.5	2.7	S	5	I93	0 42511 05393 9	267700- 2910			
IWF16		14	12.7	20.6	0.8	1.5	3.0	5.2	R	5	I59	0 42511 05359 5	267700- 5000			
IWF20		14	12.7	20.6	0.8	1.5	3.0	5.2	R	5	I78	0 42511 05378 6	267700- 5010			
IWF22		14	12.7	20.6	0.8	-0.5	1.5	3.7	R	5	I79	0 42511 05379 3	067700- 9410			
IWF24		14	12.7	20.6	0.8	-0.5	1.5	3.7	R	5	I80	0 42511 05380 9	067700- 9420			
IWF27		14	12.7	20.6	0.8	-0.5	1.5	3.7	R	5	I81	0 42511 05381 6	067700- 9430			
ITV16	Long-Reach (Tapered seat) insulator length: 50 mm	14	25	16	1.1	1.5	3.0	5.5	RC	5	I38	0 42511 05338 0	267700- 3700	0 42511 02338 3	100676- 5200	
ITV20	Long-Reach (Tapered seat) insulator length: 50 mm	14	25	16	1.1	1.5	3.0	5.5	RC	5	I39	0 42511 05339 7	267700- 3710	0 42511 02339 0	100676- 5210	
ITV22	Long-Reach (Tapered seat) insulator length: 50 mm	14	25	16	0.8	1.5	3.0	5.2	RC	5	I40	0 42511 05340 3	267700- 2500			
ITV24	Long-Reach (Tapered seat) insulator length: 50 mm	14	25	16	0.8	-0.5	1.0	3.2	RC	5	I41	0 42511 05341 0	267700- 2510			
ITV27	Long-Reach (Tapered seat) insulator length: 50 mm	14	25	16	0.8	-0.5	1.0	3.2	RC	5	I42	0 42511 05342 7	267700- 2520			

ITL16	Long-Reach (Tapered seat) insulator length: 56 mm	14	25	16	1.1	1.5	3.0	5.5	RC	5	I49	0 42511 05349 6	267700- 4980		
ITL20	Long-Reach (Tapered seat) insulator length: 56 mm	14	25	16	1.1	1.5	3.0	5.5	RC	5	I50	0 42511 05350 2	267700- 4990		
IT16	TAPER SEAT	14	17.5	16	1.1	1.5	3.0	5.5	RC	5	I25	0 42511 05325 0	267700- 0610	0 42511 02325 3	100676- 3610
IT20	TAPER SEAT	14	17.5	16	1.1	1.5	3.0	5.5	RC	5	I26	0 42511 05326 7	267700- 0620	0 42511 02326 0	100676- 3620
IT22	TAPER SEAT	14	17.5	16	0.8	1.5	3.0	5.2	RC	5	I27	0 42511 05327 4	267700- 0630	0 42511 02327 7	100676- 3630
IT24	TAPER SEAT	14	17.5	16	0.8	0.5	1.0	3.2	RC	5	I28	0 42511 05328 1	267700- 0640	0 42511 02328 4	100676- 3640
IT27	TAPER SEAT	14	17.5	16	0.8	0.5	1.0	3.2	RC	5	I29	0 42511 05329 8	267700- 0650	0 42511 02329 1	100676- 3650
ITF16	TAPER SEAT	14	11.2	16	1.1	1.5	3.0	5.5	RC	5	I30	0 42511 05330 4	267700- 0660	0 42511 02330 7	100676- 3660
ITF20	TAPER SEAT	14	11.2	16	1.1	1.5	3.0	5.5	RC	5	I31	0 42511 05331 1	267700- 0670	0 42511 02331 4	100676- 3670
ITF22	TAPER SEAT	14	11.2	16	0.8	1.5	3.0	5.2	RC	5	I32	0 42511 05332 8	267700- 0680	0 42511 02332 1	100676- 3680
ITF24	TAPER SEAT	14	11.2	16	0.8	0.5	1.0	3.2	RC	5	I33	0 42511 05333 5	267700- 0690	0 42511 02333 8	100676- 3690
ITF27	TAPER SEAT	14	11.2	16	0.8	0.5	1.0	3.2	RC	5	I34	0 42511 05334 2	267700- 0700	0 42511 02334 5	100676- 3700
IXU22		12	19	16	0.9	1.3	2.8	5.0	RC	5	I08	0 42511 05308 3	067700- 8721	0 42511 02308 6	100676- 3430
IXU24		12	19	16	0.9	1.3	2.8	5.0	RC	5	I09	0 42511 05309 0	067700- 8731	0 42511 02309 3	100676- 3440
IXU27		12	19	16	0.9	1.3	2.8	5.0	RC	5	I37	0 42511 05337 3	067700- 8601	0 42511 02337 6	100676- 3820
IXUH22	LONG REACH	12	26.5	16	0.9	1.5	3.5	5.7	RC	5	I53	0 42511 05353 3	267700- 6450		
IX22		12	19	18	0.8	0.6	2.8	4.1	R	5	I71	0 42511 05371 7	067700- 9350		
IX24		12	19	18	0.8	0.6	2.0	4.1	R	5	I72	0 42511 05376 4	067700- 9360		
IX27		12	19	18	0.8	0.6	2.8	4.1	R	5	I73	0 42511 05373 1	067700- 9370		

IX22B		12	19	18	0.9	1.5	2.8	5.0	R	5	I75	0 42511 05375 5	067700- 9380		
IX24B		12	19	18	0.9	1.5	2.8	5.0	R	5	I76	0 42511 05376 2	067700- 9390		
IX27B		12	19	18	0.9	1.5	2.8	5.0	R	5	I77	0 42511 05377 9	067700- 9400		
IXG24	SHROUD	12	22	18	0.7	0.7	2.0	4.1	R	5	I94	0 42511 05394 6	267700- 2920		
IXG27	SHROUD	12	22	18	0.7	0.7	2.0	4.1	R	5	I95	0 42511 05395 3	267700- 2930		
IU20		10	19	16	0.9	- 0.5	0.7	2.6	R	5	I60	0 42511 05360 1	267700- 5020		
IU22		10	19	16	0.9	- 0.5	0.7	2.6	R	5	I61	0 42511 05361 8	067700- 9260		
IU24		10	19	16	0.9	- 0.5	0.7	2.6	R	5	I62	0 42511 05362 5	067700- 9270		
IU27		10	19	16	0.9	- 0.5	0.7	2.6	R	5	I63	0 42511 05363 2	067700- 9280		
IU31		10	19	16	0.9	- 0.5	0.7	2.6	R	5	I64	0 42511 05364 9	067700- 9290		
IU24A		10	19	16	0.9	- 0.5	1.0	2.9	R	5	I65	0 42511 05365 6	067700- 9300		
IU27A		10	19	16	0.9	- 0.5	1.0	2.9	R	5	I66	0 42511 05366 3	067700- 9310		
IU31A		10	19	16	0.9	- 0.5	1.0	2.9	R	5	I67	0 42511 05367 0	067700- 9320		
IUH24	HALF THREAD	10	19	16	0.9	0.6	2.0	3.9	R	5	I68	0 42511 05368 7	067700- 9330		
IUH27	HALF THREAD	10	19	16	0.9	0.6	2.0	3.9	R	5	I69	0 42511 05369 4	067700- 9340		
IUF22		10	12.7	16	0.8	0.6	2.0	3.8	R	5	I83	0 42511 05383 0	067700- 9480		
IUF24		10	12.7	16	0.8	0.6	2.0	3.8	R	5	I84	0 42511 05384 7	067700- 9490		
IUF27A		10	12.7	16	0.9	- 0.5	1.0	2.9	R	5	I85	0 42511 05385 4	067700- 9700		
IUF31A		10	12.7	16	0.9	- 0.5	1.0	2.9	R	5	I86	0 42511 05386 1	067700- 9710		
IY24	HALF THREAD	8	19	13	0.7	0.6	1.4	2.9	R	5	I100	0 42511 05400 4	267700- 4490		
IY27	HALF THREAD	8	19	13	0.7	0.6	1.4	2.9	R	5	I101	0 42511 05401 1	267700- 4500		

IY31	HALF THREAD	8	19	13	0.7	0.5	0.5	2.0	R	5	I102	0 42511 05402 8	267700- 4510		
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0.4mm diameter IRIIDIUM PLUG

TYPE	SPEC	DIA	REACH	HEX	GAP	PROJECTION	SPARK POSITION	HARDNESS HRC	TERMINAL SHAPE	RESISTOR Ω	No.	IRIDIUM POWER ONE PC BOX	
												BARCODE	DENSO P/N
IK24C11	ISO	14	19	16	1.1	1.5	3.0	5.7	S	5	I35	0 42511 05335 9	067700- 9550
IK27C11	ISO	14	19	16	1.1	0.5	2.0	4.7	S	5	I36	0 42511 05336 6	067700- 9520
VK16PR- Z11	ISO Ground Elec. Pt. & Taper-cut	14	19	16	1.1	1.5	3.0	5.7	S	5	V28	0 42511 05628 2	267700- 1840
VK20PR- Z11	ISO Ground Elec. Pt. & TAPERCUT	14	19	16	1.1	1.5	3.0	5.7	S	5	V15	0 42511 05615 2	267700- 1850
VK22PR- Z11	ISO Ground Elec. Pt. & TAPERCUT	14	19	16	1.1	1.5	3.0	5.7	S	5	V29	0 42511 05629 9	267700- 1860
VK24PR- Z11	ISO Ground Elec. Pt. & TAPERCUT	14	19	16	1.1	1.5	3.0	5.7	S	5	V16	0 42511 05616 9	267700- 1870
VK27PR- Z11	ISO Ground Elec. Pt. & TAPERCUT	14	19	16	1.1	0.5	2.0	4.7	S	5	V30	0 42511 05630 5	267700- 2050
VKJ20RZ- M11	ISO Ground Elec. Pt. & TAPERCUT	14	19	16	1.1	3.0	5.0	7.7	S	5	V33	0 42511 05633 6	267700- 1970
SVK20RZ8	ISO Ground Elec. Pt. & TAPERCUT	14	19	16	0.8	1.5	3.5	5.7	S	5	-	-	067700- 9740
SVK20RZ11	ISO Ground Elec. Pt. & TAPERCUT	14	19	16	1.1	1.5	3.5	6.0	S	5	-	-	067700- 8620
VW16R-A13	Ground Elec. Pt. & TAPERCUT	14	19	20.6	1.3	2.5	4.0	6.9	S	5	-	-	267700- 1640
VX20BC	Ground Elec. Pt.	12	19	18	0.9	1.5	2.8	5.0	T	5	V34	0 42511 05634 3	067700- 9830
VX22BC	Ground Elec. Pt.	12	19	18	0.9	1.5	2.8	5.0	T	5	V14	0 42511 05614 5	067700- 9720
IXU22C	No U-Groove	12	19	16	0.8	1.3	2.8	4.9	S	5	-	-	267700- 5170
IU27D		10	19	16	0.9	0.5	1.8	3.8	T	5	I90	0 42511 05390 8	267700- 0850
IUH24D	HALF THREAD	10	19	16	0.9	0.6	2.0	4.0	R	5	I87	0 42511	067700-

													05387 8	9560		
IUH27D	HALF THREAD	10	19	16	0.9	0.6	2.0	4.0	R	5	I88		0 42511 05388 5	067700- 9570		
VUH24D	HALF THREAD, Ground Elec. Pt. & TAPERCUT	10	19	16	0.9	0.6	2.0	4.0	T	5	V26		0 42511 05626 8	267700- 2010		
VUH27D	HALF THREAD, Ground Elec. Pt. & TAPERCUT	10	19	16	0.9	0.6	2.0	4.0	T	5	V27		0 42511 05627 5	267700- 1931		
VUH27ES	HALF THREAD, Ground Elec. Pt. & TAPERCUT, SUSGASKET	10	19	16	0.9	0.6	2.0	4.0	T	5						
VNH24Z	HALF THREAD, Ground Elec. Pt. & TAPERCUT	10	19	16	0.9	0.6	2.0	4.0	S	5	V32		0 42511 05632 9	267700- 2060		
VNH27Z	HALF THREAD, Ground Elec. Pt. & TAPERCUT	10	19	16	0.9	0.6	2.0	4.0	S	5	V31		0 42511 05631 2	267700- 2070		
IUF14-UB		10	12.7	16	0.7	0.6	1.6	3.3	S	5	I89		0 42511 05389 2	267700- 0540		

Spark gap example.....For a 1.1 mm gap, set from 1.0 to 1.1 mm.

Insulator projectionLength from edge of side housing to top of insulator. The plus (+) direction is the distance from the edge to the piston head.

Spark positionLength from edge of side housing to top of center electrode. The plus (+) direction is the distance from the edge to the piston head.

Ground electrodeLength from edge of side housing to top of ground electrode. The plus (+) direction is the height distance from the edge to the piston head.

Terminal shapesS: solid terminal, R: removable, RC: crimped nut, T: threaded

Note: Please purchase plugs equipped as original parts at stores that sell original parts.