



BRIEF INFORMATION

Spark Plugs

- Installed at the top of an engine cylinder
- Ignite the compressed air-fuel mixture in the cylinder
- Exposed to extreme conditions such as high temperature, high pressure, vigorous vibration and presence of corrosive chemicals
- Important component for achieving an optimal performance and reliable function of the engine
- Ensure a clean and efficient combustion

PRODUCT FEATURES

Why Hella Spark Plugs?

HELLA spark plugs are designed for durability, reliability and optimal performance. All Hella spark plugs have copper core center electrodes that provide utmost heat dissipation and conductivity to maintain Stable operating temperatures. The metal shell of each plug is nickel plated to offer higher resistance against corrosion. The insulator is made of very high density silicon dioxide compound that gives maximum strength against vibration in the engine cylinder and also prevents current leakage during sparking.

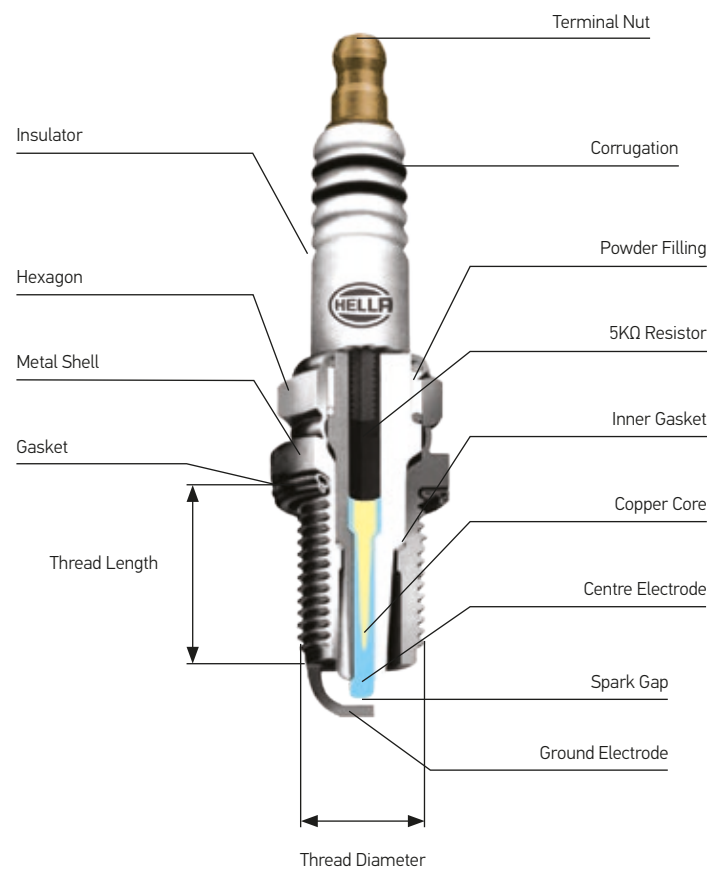
HELLA offers four types of spark plugs. Hella Energy is an OE equivalent plug for spare part replacement, while Hella Energy Pro lasts longer than typical OE plugs. The performance series Hella Platinum and Iridium Pro offer ultimate performance and power over a longer service life, ideal for both spare part replacement as well as for car enthusiasts looking to upgrade their car performance.

PRODUCT RANGE OVERVIEW

HELLA Spark Plugs	Standard series		Performance series	
	Energy*	Energy Pro	Platinum	Iridium Pro
Technology	Nickel center electrode with copper core	Yttrium center electrode with copper core and U-groove ground electrode	Platinum tip with copper core center electrode	Iridium tip with copper core electrode and platinum pad on ground electrode
Benefits	→ Service life of up to 30,000 km** → Durable	→ Service life of up to 40,000 km** → Durable → Smoother combustion	→ Longest service life of up to 60,000 km** → Improved durability → Faster response and acceleration → Improved fuel efficiency → Better combustion	→ Longest service life up to 100,000 km** → Best durability → Superior response and acceleration → Highest fuel efficiency → Superior combustion and power

* Available in selected markets
** Spark plug service life depends always on the OE restriction / recommendation

HELLA SPARK PLUG IN DETAIL



TRADE NUMBERING SYSTEM

Y	MJ	7	R	*	C	P	5	–	8	U	D
1	2	3	4	5	4	6	7		8		9

1. Center Electrode

- I** – Iridium Tip with copper core center electrode
- P** – Platinum Tip with copper core center electrode
- Y** – Yttrium-Nickel center electrode with copper core
- C** – Nickel center electrode with copper core

4. R – Resistance

C – Copper core

5. * D – Special OE Specification (only when applicable)

2. Metal Shell:

	Shell Type	Thread Length	Hexagon Size	Flat/Tapered Seat
AJ	M12 x 1.25	25 mm	14 mm	Tapered
AN	M12 x 1.25	26.5 mm	14 mm	Tapered
BN	M10 x 1.00	26.5 mm	14 mm	Flat
C	M10 x 1.00	12.7 mm	16 mm	Flat (for passenger car)
CE	M10 x 1.00	12.7 mm	16 mm	Flat (for small engine)
D	M10 x 1.00	19 mm	16 mm	Flat
DJ	M10 x 1.00	19 mm	16 mm	Half Thread
E	M12 x 1.25	12.7 mm	17.5 mm	Flat
EO	M10 x 1.00	9.5 mm	16 mm	Flat
F	M12 x 1.25	19 mm	17.5 mm	Flat
FJ	M12 x 1.25	26.5 mm	16 mm	Flat
FM	M12 x 1.25	19 mm	16 mm	Flat
G	M14 x 1.25	12.7 mm	20.8 mm	Flat
H	M14 x 1.25	19 mm	20.8 mm	Flat
I	M14 x 1.25	9.5 mm	20.8 mm	Flat
IN	M14 x 1.25	9.5 mm	20.8 mm	Bantam
M	M14 x 1.25	19 mm	16 mm	Flat
MJ	M14 x 1.25	26.5 mm	16 mm	Flat
N	M14 x 1.25	9.5 mm	19 mm	Flat
NF	M12 x 1.25	26.5 mm	14 mm	Flat
R	M18 x 1.25	11.2 mm	16 mm	Tapered
S	M14 x 1.25	17.5 mm	16 mm	Tapered
SJ	M14 x 1.25	25 mm	16 mm	Tapered
V	M18 x 1.50	10.9 mm	20.8 mm	Tapered
WJ	M12 x 1.25	26.5 mm	14 mm bi-hex	Flat
WN	M12 x 1.25	28 mm	14 mm bi-hex	Flat

6. P – Projected insulator tip

N – Non-Projected insulator tip

S – Surface gap

Default – Projective

7. 1 – 1 mm insulator tip size

4 – 4 mm insulator tip size

5 – 5 mm insulator tip size

7 – 7 mm insulator tip size

Default – 3 mm

8. Spark Gap:

4 – 0.4 mm

5 – 0.5 mm

6 – 0.6 mm

7 – 0.7 mm

8 – 0.8 mm

9 – 0.9 mm

10 – 1.0 mm

11 – 1.1 mm

12 – 1.2 mm

13 – 1.3 mm

9. C – Cup terminal post

D – Double ground electrode

I – Iridium tip

J – JIS Overall Height 53 mm

P – Platinum pad on ground electrode

Q – Four ground electrodes

R – Removable terminal

S – Solid terminal and differentiate

T – Three ground electrodes

U – U-groove ground electrode

V – V-cut on the center electrode

3. Heat Range:

HELLA*	NGK	Denso	Bosch
4	2	9	10
6	4	14	9
7	5	16	8
8	6	20	7.6
9	7	22	5
10	8	24	4
11	9	27	3
12	10	31	2

* For HELLA range, the higher the index, the cooler the plug

10. Torque force:

Spark Plug Type*	(N.m)
M10 Flat Seat Spark Plug	10~15
M12 Flat Seat Spark Plug	20~25
M12 Conical Seat Spark Plug	10~15
M14 Flat Seat Spark Plug	25~30
M14 Conical Seat Spark Plug	10~15
M18 Flat Seat Spark Plug	35~40
M18 Conical Seat Spark Plug	20~25

* Flat Seat (with external gasket),
Conical Seat (without external gasket)

RANGE OVERVIEW

HELLA Trade Number	Part Number	Type	NGK #	NGK Trade Number	Bosch #	Bosch Trade Number	Denso #
Spark Plug Energy Pro							
YM8RCP-11U	8EH 188 704-011	YTTRIUM	2756	BKR6E-11	0 242 235 667	FR7DCX	–
YH8RCP-8U	8EH 188 704-021		7822	BPR6ES	0 242 235 663	WR7DC	–
YH7RCP-11U	8EH 188 704-041		4424	BPR5ES-11	0 242 229 687	WR8DCX, WR8DCX+	–
YM7RCP-8U	8EH 188 704-051		7938	BKR5E	–	–	–
YM8RCP-9U	8EH 188 704-071		6962	BKR6E	0 242 235 666, 0 242 235 912	FR7DC	–
YS8RCP-11U	8EH 188 704-081		95420	BPR6EF-11	0 242 236 560	HR 7 DCX+	–
YM8RCS5-9D	8EH 188 704-091		2288	BKR6EK	0 242 235 668	FR7LDC	–
YFM9RCP-9U	8EH 188 704-101		6651	DCPR7EA-9	0 242 135 515	YR7DC+	–
YM8RCP5-11U	8EH 188 704-111		4291	ZFR6F-11	–	–	–
YMJ7RCP-9U	8EH 188 704-141		6376	LFR5A	0 242 229 630	FR8ME	–
YS8RCP-8U	8EH 188 704-251		1183	BPR6EF	–	–	–
YM8RCS5-9T	8EH 188 704-401		6437	BKUR6ET	–	–	–
YMJ7RCP-11U	8EH 188 704-741		6376	LFR5A11	–	–	–
YM7RCP-11U	8EH 188 704-031		6953	BKR5E-11	0 242 229 660	FR8DCX, FR8DCX+	–
Spark Plug Platinum							
PM9RC-10	8EH 188 705-011	PLATINUM	3978	PFR7H-10	–	–	–
PM8RC-11	8EH 188 705-021		5555	PFR6G-11	0 242 240 649	–	–
PM8RC-7	8EH 188 705-031		6458	PFR6Q	–	–	–
PM7RC-10	8EH 188 705-041		7090	BKR5EGP	0 242 230 500	FR8DPP33+	K16TT
PM8RC-10	8EH 188 705-071		7092	BKR6EGP	–	–	K20TT
PMJ8RC4-10	8EH 188 705-081		–	–	0 242 236 510	FR7NPP332	–
PNF9RC-11	8EH 188 705-161		4912	ILKAR7B-11	–	–	IXEH22TT
PM8RC5-11	8EH 188 705-221		3271	PZFR6F-11	–	–	IK20L
PFJ8RC5-10	8EH 188 705-291		1578	LZKR6B-10E	–	–	–
PM9RC-7	8EH 188 705-331		1675	PFR7S8EG	–	–	–
PS8RC-13	8EH 188 705-391		5809	TR6AP13	–	–	–
PM7RC-11	8EH 188 705-061		5464	BKR5EIX-11	–	–	IK16TT
PMJ7RC5-11	8EH 188 705-101		96779	ILFR5T-11	–	–	–
PH7RC-8	8EH 188 705-121		6597	BPR5EIX	–	–	–
PH7RC-11	8EH 188 705-131		2115	BPR5EIX-11	–	–	IW16TT
PFM10RC-8	8EH 188 705-211		6546	DCPR8EIX	–	–	IXU24
PM8RC5-8	8EH 188 705-311		8894	ZFR6V-G	–	–	–
PM8RB-8	8EH 188 705-321		5758	PZFR6R	–	–	–
PMJ7RC-11	8EH 188 705-581		6240	PLFR5A-11	–	–	–
IMJ8RC-8P	8EH 188 706-581		3588	ILFR6A	–	–	–

HELLA Trade Number	Part Number	Type	NGK #	NGK Trade Number	Bosch #	Bosch Trade Number	Denso #
Spark Plug Iridium Pro							
IM9RC-10P	8EH 188 706-011	IRIDIUM	6988	BKR7EIX-10	-	-	-
IM8RC-11P	8EH 188 706-021		5555, 3546, 2743, 4014	PFR6G-11, PFR6N-11, PFR6J-11, PFR6B-11	-	-	-
IM8RC-7P	8EH 188 706-031		6458	PFR6Q	-	-	-
IM7RC-11P	8EH 188 706-061		5464	BKR5EIX-11	-	-	IK16TT
IM8RC-10P	8EH 188 706-071		7092	BKR6EGP	-	-	K20TT
INF9RC-11P	8EH 188 706-161		4912	ILKAR7B-11	-	-	IXEH22TT
IM7RC5-11P	8EH 188 706-231		4363	PZFR5F-11	-	-	-
IFJ8RC-11P	8EH 188 706-311		-	-	-	-	VXUH20I
IFJ8RC5-10P	8EH 188 706-321		93815	SILZKRB6B10E	-	-	-
IM8RC-13P	8EH 188 706-331		6774	IZFR6K13	-	-	-
IM8RC5-8P	8EH 188 706-341		1748	ZFR6BP-G	-	-	-
IM8RB-8P	8EH 188 706-351		5758	PZFR6R	-	-	-
IM9RC-7P	8EH 188 706-361		91039	IFR7X7G	-	-	-
INF8RC-11P	8EH 188 706-391		6643	LZKAR6AP11	-	-	-
IS8RC-13P	8EH 188 706-421		4477	ITR6F13	-	-	-
ISJ7RC-13P	8EH 188 706-441		3811	ILTR5A-13G	-	-	-
IFJ9RC-8P	8EH 188 706-511		4288	PLKR7A	-	-	-
IWN10RCM-8P	8EH 188 706-731		97506	SILZKBR8D8S	0 242 145 515	ZR5TPP33	-
INF10RC-7P	8EH 188 706-741		95875	SILZKFR8D7S	-	-	-
IMJ7RC5-11P	8EH 188 706-101		96779	ILFR5T-11	-	-	-
IWJ9RC-8P	8EH 188 706-781		90223	PLZKBR7B8DG	-	-	-
ISJ8RC-13P	8EH 188 706-791		3789	ILTR6A-13G	-	-	-
IFM8RC-11P	8EH 188 706-801		7980	IKR6G11	-	-	-
IAN10RC-7P	8EH 188 706-811		93593	SILZNAR8C7H	-	-	-
IWN10RC-8PC	8EH 188 706-821		94201	SILZKGR8B8S	-	-	-
IFM10RC-8P	8EH 188 706-211		6546	DCPR8EIX	-	-	IXU24
IM8RC5-11P	8EH 188 706-221		3271	PZFR6F-11	-	-	IK20L
IMJ8RC4-10P	8EH 188 706-081		-	-	0 242 236 510	FR7NPP332	-