BRIEF INFORMATION

Spark Plugs

→ Installed at the top of an engine cylinder
→ Ingnite 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.

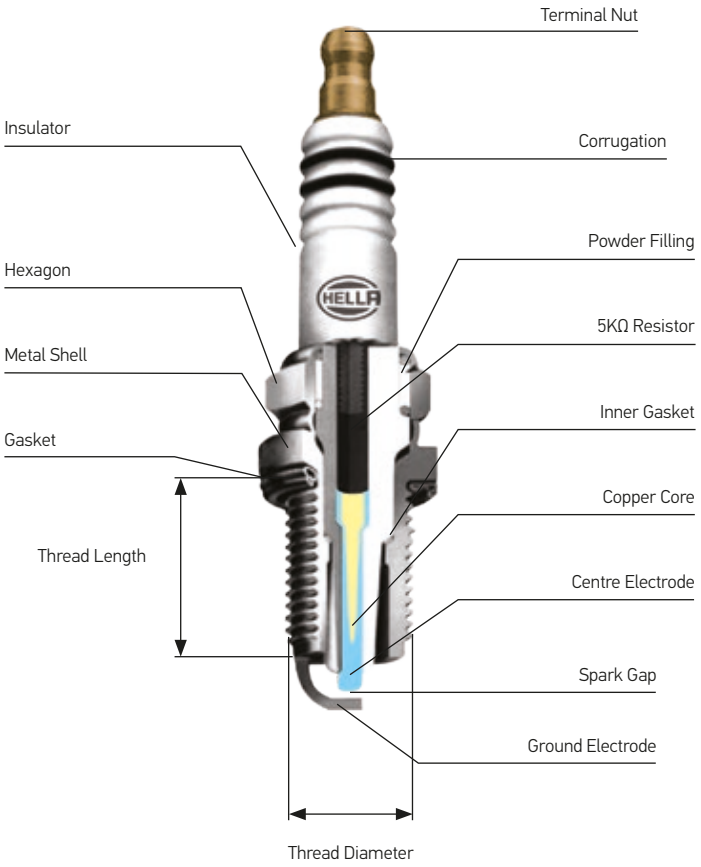
PRODUCT RANGE OVERVIEW

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

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

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

4. R – Resistance
C – Copper core

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

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

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)

Product features, specifications and availability are subject to change without notice.

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