

# Design symbols used in NGK spark plugs

\* Standard regulation is drawn here. There also exist a few extraordinary symbols.

	Thread Size	Hexagon Size	Construction Feature		Heat Rating Number	Thread Reach		
A	18 mm	25.4 mm	L	Compact type (Shorty)	2	<div style="text-align: center;">Hotter</div> <div style="text-align: center;">Colder</div>	E	19.0 mm
B	14 mm	20.8 mm	M	Compact type (Bantam)	4		H	12.7 mm
C	10 mm	16.0 mm	P	Projected insulator type	5		L	11.2 mm
D	12 mm	18.0 mm	R	Resistor type	6		EH	Half thread Total: 19.0 mm Thread: 12.7 mm
E	8 mm	13.0 mm	U	Surface or semisurface discharge type	7		F	Conical seat type A-F type 10.9 mm B-F type 11.2 mm B-EF type 17.5 mm
G	PF 1/2	23.8 mm	Z	Inductive resistor type	8			
J	12 mm	18.0 mm			8 (85)			
AB	18 mm	20.8 mm			9 (95)			
BC	14 mm	16.0 mm			10 (105)			
BK	14 mm (Iso type of BCP)	16.0 mm			11			
DC	12 mm	16.0 mm			12			
					13			

**BC P R 6 E S - 11**

Spark gap (mm)  
None: Standard gap

Spark gap (mm)  
None: Standard gap

**P F R 6 A - 11 A**

## Firing End Construction, etc.

C	Low angle ground electrode
F	Conical seat
G	Fine nickel alloy center electrode
GV	Gold-palladium center electrode and special construction
J	Extended 2-Ground electrodes
K	2-Ground electrodes
M	2-Ground electrodes for Mazda rotary eng. or Insulator length: 18.5 mm
T	3-Ground electrodes
Q	4-Ground electrodes
P	Platinum electrode
S	Copper core center electrode
U	Semisurface discharge type
V	Gold-palladium center electrode
VX	Platinum center electrode & special ground electrode
W	Thungsten electrode
X	Booster gap
Y	V-Grooved center electrode
A, B, D, E, Z	Special design
-L	Half heat range
-LM	Compact type (insulator length: 14.5 mm)
-N	Special ground electrode
IX	Iridium

## Plug Type

I	Iridium electrode
P	Platinum electrodes
L	Thread reach 26.5 mm
Z	Extended gap
PL	Platinum electrodes and Thread reach 26.5 mm
PZ	Platinum electrodes and extended gap
IZ	Iridium electrodes and extended gap

## Construction

R	Resistor
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## Feature

A	No gasket type
B	Special
C	Special
D	Special

## Construction

A	Special design
B	Special design
C	Special design
D	Special design

## Metal Shell Size

F	14 ø x 19 mm, 16.0 mm Hex.
G	14 ø x 19 mm, 20.8 mm Hex.
J	12 ø x 19 mm, 18.0 mm Hex.
K	12 ø x 19 mm, 16.0 mm Hex.
M	10 ø x 19 mm, 16.0 mm Hex.
T	Conical seat type 14 ø x 17.5 mm, 16.0 mm Hex (PTR5A: 14 ø x 25 mm, 16.0 mm Hex.)