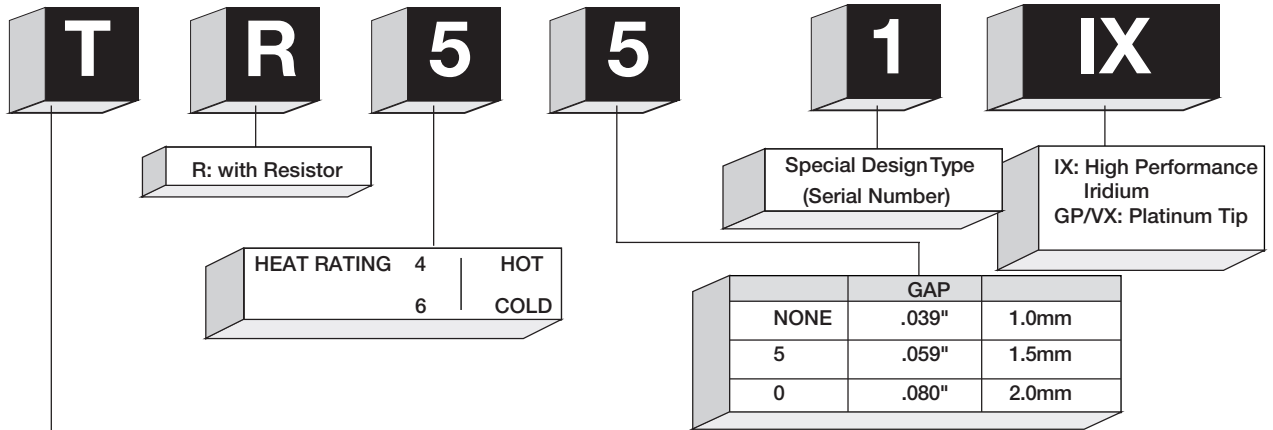
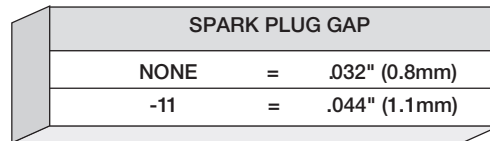
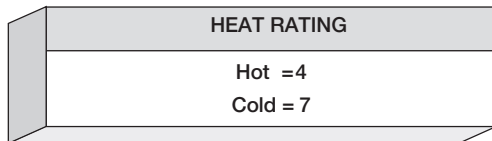


# Design Symbols Spark Plugs



Letter	Thread Diameter	Reach	Insulator Type	Seat Type
F	14mm Hex. 5/8"	3/4" (19mm)	Projected	Gasket Seat
F-1	14mm Hex. 5/8"	(22mm)	Projected	Gasket Seat
G	14mm	3/4" (19mm)	Projected	Gasket Seat
T	14mm Hex. 5/8"	.708"	Projected	Taper Seat
T-1	14mm Hex. 5/8"	.807"	Projected	Taper Seat
U	14mm	.460"	Projected	Taper Seat
W	18mm	.460"	Projected	Taper Seat
X	14mm	3/8"	Projected	Gasket Seat
Y	14mm	.460"	Non-Projected	Taper Seat



Prefix	Shell Construction	Thread Diameter	Insulator Type	Plug Type	Reach	Suffix	Seat Construction
BCPR	5/8" Hex	14mm	Projected	Resistor	3/4"	E, EY, EYA	Gasket Seat
BKR	5/8" Hex (ISO)	14mm	Projected	Resistor	3/4"	E, EY, EYA	Gasket Seat
BR	5/8" Hex (ISO)	14mm	Non-Projected	Resistor	3/4"	EF	Tapered Seat
BR	13/16" Hex	14mm	Non-Projected	Resistor	3/4"	EYA	Gasket Seat
BPM (Compact Type)	3/4" Hex	14mm	Projected	Non-Resistor	3/8"	Y	Gasket Seat
BPMR (Compact Type)	3/4" Hex	14mm	Projected	Resistor	3/8"	Y	Gasket Seat
BP	13/16" Hex	14mm	Projected	Non-Resistor	3/4"	EY	Gasket Seat
BPR	13/16" Hex	14mm	Projected	Resistor	3/4"	EY	Gasket Seat
BP	13/16" Hex	14mm	Projected	Non-Resistor	1/2"	HN	Gasket Seat
B	13/16" Hex	14mm	Non-Projected	Non-Resistor	3/8"	Y	Gasket Seat
BMR (Compact Type)	3/4" Hex	14mm	Non-Projected	Resistor	3/8"	y	Gasket Seat
BM (Compact Type)	3/4" Hex	14mm	Non-Projected	Non-Resistor	3/8"	Y	Gasket Seat

## EXTENDED GAP TYPE

Prefix	Shell Construction	Thread Diameter	Insulator Type	Plug Type	Reach	Suffix	Seat Construction
ZGR	13/16" Hex	14mm	Projected	Resistor	3/4"	A	Gasket Seat
ZGR	13/16" Hex	14mm	Projected	Resistor	22.0mm	C	Gasket Seat
ZFR	5/8" Hex (ISO)	14mm	Projected	Resistor	22.5mm	E	Gasket Seat
ZFR	5/8" Hex (ISO)	14mm	Projected	Resistor	3/4"	FJ	Gasket Seat

# DESIGN SYMBOLS: SPARK PLUGS

## Thread Size / Hex Size

- A: 18 mm / 1" (25.4 mm)
- B: 14 mm / 13/16" (20.8 mm)
- C: 10 mm / 5/8" (16.0 mm)
- D: 12 mm / 5/8" (18.0 mm)
- E: 8 mm / 13.0 mm
- J: 12 mm / 5/8" (18.0 mm)
- AB: 18 mm / 13/16" (20.8 mm)
- BC: 14 mm / 5/8" (16.0 mm)
- JIS Type
- BK: 14 mm / 5/8" (16.0 mm)
- ISO Type
- DC: 12 mm / 5/8" (16.0 mm)

## Construction

(ONE OR MORE LETTERS MAY BE COMBINED)

- K: Hex Size 5/8" Projected Tip (ISO)
- L: Compact Type (Shorty)
- M: Compact Type (Bantam)
- P: Projected Insulator Type
- R: Resistor Type
- U: Surface or Semi-Surface Discharge Type
- Z: Inductive Resistor

## Thread Reach

- E: 19 mm (3/4")
- EF: Tapered Seat  
17.5 mm (.708" Reach)
- FS: Tapered Seat  
10.9 mm (.460")
- H: 12.07 mm (1/2")
- EH: Partial Thread  
19 mm (3/4" Total Reach)  
12.7 mm (1/2" Total Thread)
- L: 11.2 mm (7/16")
- S: 9.5 mm (3/8" Reach)
- Z: 21 mm

NO SYMBOL:

18mmø = 12 mm Reach

14mmø = 9.5 mm (3/8" Reach)

## Thread Reach

- A: Special Design
- B: Special Design
- C: Low Angle Ground Electrode
- CM: Compact Type, Low Angle Ground Electrode
- E: V-Grooved Center Electrode (14 mm only) 1/5 mm Insulator
- ES: Standard 3/4" Thread Reach (2.5 mm) Center Electrode
- F: Tapered Seat
- G: Fine Wire Nickel Alloy Center Electrode
- G-G: Copper Core Ground Electrode
- GP: Platinum Firewire (0.6 mmø)
- GV: Gold-Palladium Center Electrode Special Construction of V-Type. Racing Use
- IX: High Performance Iridium
- K: 2-Ground Electrodes
- L: Half Heat Range. (See spec. chart)
- LM: Compact Type for Lawn Mower
- M: 2-Ground Electrodes for Mazda Rotary Engine
- N: Special Side Electrode
- P: Premium Platinum
- Q: 4-Ground Electrode
- R: Special Ground Electrode
- S: Standard 2.5 mmø Center Electrode
- T: 3-Ground Electrode
- U: Semi-Surface Discharge
- V: Fine Wire Gold Palladium Center Electrode
- VX: High Performance Platinum
- W: Tungsten Electrode
- X: Booster Gap
- Y: V-Grooved Center Electrode (14 mm only) 2.5 mm Insulator
- Z: Thick 2.9 mmø Center Electrode

**B C P R 6 E S - 11**

## Plug Type

- I: Iridium Platinum
- IZ: Iridium Electrodes and Extended Gap
- L: Thread Reach 26.5 mm
- P: Premium Platinum
- PL: Platinum Electrodes and Thread Reach 26.5 mm
- PZ: Platinum Electrodes and Extended Gap
- Z: Extended Gap

## Heat Rating Numbers

2 Hot

12 Cold

## Firing End Construction

- A, B, C, ...: Special Design
- J: Special Design

## - WIDE GAP -

- 8 0.8 mm (.032")
- 9 0.9 mm (.036")
- 10 1.0 mm (.039")
- 11 1.1 mm (.044")
- 13 1.3 mm (.052")
- 14 1.4 mm (.055")
- 15 1.5 mm (.059")
- 20 2.0 mm (.080")

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

## Metal Shell Size

- F: ø 14, 19 mm (3/4") Reach, 16 mm (5/8") Hex.
- G: ø 14, 19 mm (3/4") Reach, 20.6 mm (13/16") Hex.
- J: ø 12, 19 mm (3/4") Reach, 19 mm Hex.
- M: ø 10, 19 mm (3/4") Reach, 16 mm (5/8") Hex.
- T: Tapered Seat ø 14, 17.5 mm Reach, 16 mm (5/8") Hex.
- PTR5A-13: ø 14, 25 mm Reach, 16 mm (5/8") Hex.

## Construction

- R: Resistor

## Feature

- A: No Gasket Type
- B: Special Design
- C: Special Design
- D: Special Design