



R

V

15

Y

C

4

RESISTOR

SHELL DESIGN

**HEAT RANGE/
APPLICATION**

FIRING END DESIGN

**WIDE GAP
DESIGNATION**

Letter	Description
B	Standard Height
C	Bantam Height
D	Bantam Height
E	Shielded 5/8"—24
G	1"—20 Female Connector
H	Shielded 3/4"—20
K	Resistor
M	Shielded 5/8"—24 Ordnance
Q	Resistor—CDI
R	Resistor
S	Shielded 11/16"—24 Whitworth
T	13/16"—20 Thread Above Hexagon
U	Auxiliary Gap
X	Resistor

Letter	Thread Size	Reach	Hex
A	12mm	3/4"	11/16" or 18mm
B	18mm	13/16"	7/8"
C	14mm	3/4"	5/8"
D	18mm	1/2"	7/8"
E	14mm	1.0" Taper Seat	5/8"
F	18mm	.460" Taper Seat	13/16"
G	10mm	.750"	5/8"
GC*	7/8"-18	All	7/8"
GM*	18mm	All	7/8"
H	14mm	7/16"	13/16"
J	14mm	3/8"	13/16"
K	18mm	All	1"
L	14mm	1/2" or .472"	13/16"
M	18mm	1/2"	7/8" or 11/16"
N	14mm	3/4"	13/16"
P	12mm	.492"	11/16"
R	12mm	3/4"	3/4" or 11/16"
S	14mm	.708" Taper Seat	5/8"
S	1-1/8"	5/8"	1"
U	18mm	1-1/8"	7/8"
V	14mm	.460" Taper Seat	5/8"
W	7/8"-18	All	15/16" or 1"
X	14mm	.500"	5/8"
Y	10mm	1/4"	5/8"
Z	10mm	.492"	5/8"

Ref.#	Description
1-25	Automotive, Small Engine & Ordnance
26-50	Aviation
51-75	Hi-Performance
75-99	Industrial & Special Applications

Letter	Description
None or A	Conventional
B	Two Ground Electrodes
C	Copper Plus Design
D	Protruding Nose, Round Ground Electrode
E	.290" Core Nose Projection
F	Three Ground Electrode
G	Fine Wire—Semi-Precious Electrode
H	.030" Core Nose Projection
J	Cutback Ground Electrode, Includes Modified Gap
L	Skirted Shell Firing End .200" Core Nose
M	Projected Core Nose
N	Four Ground Electrode
P	Platinum Electrode
R	Push Wire
S	Single Ground Electrode at Side of Center Electrode
V	Surface Gap
X	Fine Wire
Y	Standard Projected Core Nose
Z	Skirted Shell
CC	Double Copper
*PP	Double Platinum
PEP	Double Platinum Projected
PLP	Double Platinum Extended Electrode
PMP	Double Platinum Projected
PYC	Single Platinum Projected
*PYP	Projected Double Platinum
WPC	Iridium/Platinum/Copper
WPCC	Iridium/Platinum/ Double Copper

No.	Description
4	Wide gaps required
5	to meet Federal
6	and California
8	requirements.

*1"-20 Female Connector

Letter	Thread Size	Reach	Hex
BL or V	14mm	.460" Taper Seat	5/8"
BN or S	14mm	.708" Taper Seat	5/8"
CJ	14mm	3/8"	3/4" or 13/16"
DJ	14mm	.325" Taper Seat	5/8"
DZ	10mm	.500" Taper Seat	5/8"
FN or C	14mm	.750" w/gasket	5/8"

*Includes Copper Plus Design

Letter	Description	Reach	Hex
BY	Multiple Ground Electrode w/Projected Core Nose		
CM	14mm (Special for Mopeds)	.472"	13/16"
GY	Fine Wire (Semi-precious Electrode) w/Projected Core Nose		
LM	14mm (Special for Lawn Mowers)	3/8"	13/16"
LY/E	Extended Electrode Gap & Core Nose Projection		

The sales symbol on a spark plug is composed of a basic "Heat Range" number with letters and numbers to indicate major features of the plug design. The charts above contain a detailed example of the Champion Sales Symbol.