



Terminal pin

Made of a steel wire resistant to vibrations. Its lower part is designed for connection with the seal, the upper part is used for the attachment of high voltage inlet.

Insulator

High content of aluminium oxide Al_2O_3 ensures a high insulation resistance, good thermal conductivity and mechanical strength.

Shell

features a high mechanical strength and surface protection from corrosion.

Internal sealing washer

ensures gas tightness of the combustion chamber and a perfect heat transfer from the combustion chamber to the shell.

Centre electrode

features high resistance to burn-off and optimum thermal conductivity.

Ground electrode

features high resistance to burn-off and optimum thermal conductivity.

H.V. Terminal nut

Ribs

on insulator surface extend surface trajectory for eliminating any surface discharges.

Resistive seal

- Basic functions of the seal are:
- a) mechanical connection of insulator, terminal pin and centre electrode.
 - b) electrical connection of terminal pin and centre electrode.
 - c) gas tightness of the combustion area.

For spark plugs with radio interference elimination it provides suppression of electromagnetic radiation. There are two contact layers and one resistance layer.

Sealing washer

ensures gas tightness of the combustion chamber and a proper heat transfer from the spark plug to cylinder head.

Insulator tip

With its shape it facilitates regulation of heat removal from the combustion area.