

Second edition
2022-04

Road Vehicles — Glow plugs with conical seating and their cylinder head housing —

Part 1: Basic characteristics and dimensions for metal-sheath-type glow plugs

*Véhicules routiers — Bougies de préchauffage à fourreau et à siège
conique et leur logement dans la culasse —*

*Partie 1: Caractéristiques de base et dimensions des bougies de
préchauffage à fourreau de type métallique*



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Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular, the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

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For an explanation of the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT), see www.iso.org/iso/foreword.html.

This document was prepared by Technical Committee ISO/TC 22, *Road vehicles*, Subcommittee SC 32, *Electrical and electronic components and general system aspects*.

This second edition cancels and replaces the first edition (ISO 17447-1:2015), which has been technically revised.

The main changes are as follows:

- [Tables 1, 2, 4, 6, 7](#) include now M9x1;
- [Figure A.1](#) includes now M9.

A list of all parts in the ISO 17447 series can be found on the ISO website.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.

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Introduction

The purpose of this document is to provide a compact and concise specification on glow plugs and their cylinder head housings, which shall replace the existing single standards on each type of glow plugs.

It is intended to specify the main properties, the design requirements and the dimensions of most of the existing types of glow plugs and their cylinder head housings. This should enable the user to work with one comprehensive document valid for most types of glow plugs instead of a number of standards each of them specified for one type only.

This document covers basic characteristics and dimensions for metal-sheath-type glow plugs. ISO 17447-2 covers basic characteristics and dimensions for ceramic-sheath-type glow plugs. Tests and requirements are defined in ISO 17447-3.