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**Road vehicles — Connectors for the  
electrical connection of towing and towed  
vehicles — 13-pole connectors for  
vehicles with 12 V nominal supply  
voltage**

*Véhicules routiers — Connecteurs pour liaisons électriques entre  
véhicules tracteurs et véhicules tractés — Connecteurs à 13 contacts  
pour les véhicules à tension nominale de 12 V*



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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.

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Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

ISO 11446 was prepared by Technical Committee ISO/TC 22, *Road vehicles*, Subcommittee SC 3, *Electrical and electronic equipment*.

This third edition cancels and replaces the second edition (ISO 11446:1995), which has been technically revised.

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# Road vehicles — Connectors for the electrical connection of towing and towed vehicles — 13-pole connectors for vehicles with 12 V nominal supply voltage

## 1 Scope

This International Standard specifies the dimensional characteristics of, and contact allocation and tests and requirements for, 13-pole connectors for the electrical connection of towing and towed vehicles with 12 V nominal supply voltage. It specifies a park socket for receiving and storing the plug when it is disconnected.

## 2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 1103, *Road vehicles — Coupling balls for caravans and light trailers — Dimensions*

ISO 4091, *Road vehicles — Connectors for the electrical connection of towing and towed vehicles — Definitions, tests and requirements*

ISO 4141 (all parts), *Road vehicles — Multi-core connecting cables*

## 3 Terms and definitions

For the purposes of this document, the terms and definitions given in ISO 4091 apply.

## 4 Dimensions

### 4.1 General

Details not specified are at the manufacturer's discretion. The contacts shall be floating and shall align to the datum position when plug and socket are engaged.

### 4.2 Plug

The dimensions of the plug shall be in accordance with Figure 1.