



SLOVENSKI STANDARD SIST EN ISO 11446:2004

01-september-2004

7 YgfbUj cn] UË`Jh] bj`_cbY_lcf]`nUY`Y`_f] bY`df]`_`f` _Yj`Y` b]`]b`j`Y` Yb]`]j`cn]`!
% !dc`b]`df]`_`f` _]`nUj`cn]`Un`%&J`g]ghYa]f]GC`%& (* .&\$\$(Ł

Road vehicles - Connectors for the electrical connection of towing and towed vehicles -
13-pole connectors for vehicles with 12 V nominal supply voltage (ISO 11446:2004)

Straßenfahrzeuge - Elektrische Steckverbindungen zwischen Zugfahrzeugen und
Anhängern - 13polige Stecker für Fahrzeuge mit 12-V-Bordnetz-Nennspannung

Véhicules routiers - Connecteurs pour liaisons électriques entre véhicules tracteurs et
véhicules tractés - Connecteurs a 13 contacts pour les véhicules a tension nominale de
12 V (ISO 11446:2004)

<http://standards.iteh.ai/catalog/standards/sist/95827081-6944-4cf6-a6e4-518b252cf3ab/sist-en-iso-11446-2004>

Ta slovenski standard je istoveten z: EN ISO 11446:2004

ICS:

43.040.10 Ò|^\ dã} æÁ Á|^\ d[]•\ æ Electrical and electronic
[]|^ { æ equipment

SIST EN ISO 11446:2004 en

iTeh STANDARD PREVIEW
(standards.iteh.ai)

[SIST EN ISO 11446:2004](#)

<https://standards.iteh.ai/catalog/standards/sist/95827081-6944-4cf6-a6e4-518b252cf3ab/sist-en-iso-11446-2004>

EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN ISO 11446

February 2004

ICS 43.040.10

Supersedes EN ISO 11446:2002

English version

**Road vehicles - Connectors for the electrical connection of
towing and towed vehicles - 13-pole connectors for vehicles with
12 V nominal supply voltage (ISO 11446:2004)**

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 (ISO 11446:2004)

Straßenfahrzeuge - Elektrische Steckverbindungen
zwischen Zugfahrzeugen und Anhängern - 13polige
Stecker für Fahrzeuge mit 12-V-Bordnetz-Nennspannung

This European Standard was approved by CEN on 16 January 2004.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Central Secretariat or to any CEN member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the Central Secretariat has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.



EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

Management Centre: rue de Stassart, 36 B-1050 Brussels

EN ISO 11446:2004 (E)**Foreword**

This document (EN ISO 11446:2004) has been prepared by Technical Committee ISO/TC 22 "Road vehicles" in collaboration with CMC.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by August 2004, and conflicting national standards shall be withdrawn at the latest by August 2004.

This document supersedes EN ISO 11446:2002.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.

NOTE FROM CMC The foreword is susceptible to be amended on reception of the German language version. The confirmed or amended foreword, and when appropriate, the normative annex ZA for the references to international publications with their relevant European publications will be circulated with the German version.

iTeh STANDARD PREVIEW
Endorsement notice
(standards.iteh.ai)

The text of ISO 11446:2004 has been approved by CEN as EN ISO 11446:2004 without any modifications.

[SIST EN ISO 11446:2004](https://standards.iteh.ai/catalog/standards/sist/95827081-6944-4cf6-a6e4-518b252cf3ab/sist-en-iso-11446-2004)

<https://standards.iteh.ai/catalog/standards/sist/95827081-6944-4cf6-a6e4-518b252cf3ab/sist-en-iso-11446-2004>

INTERNATIONAL STANDARD

ISO 11446

Third edition
2004-02-01

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

iTeh STANDARD PREVIEW
*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*
(standards.iteh.ai)

[SIST EN ISO 11446:2004](https://standards.iteh.ai/catalog/standards/sist/95827081-6944-4cf6-a6e4-518b252cf3ab/sist-en-iso-11446-2004)

<https://standards.iteh.ai/catalog/standards/sist/95827081-6944-4cf6-a6e4-518b252cf3ab/sist-en-iso-11446-2004>



Reference number
ISO 11446:2004(E)

© ISO 2004

ISO 11446:2004(E)**PDF disclaimer**

This PDF file may contain embedded typefaces. In accordance with Adobe's licensing policy, this file may be printed or viewed but shall not be edited unless the typefaces which are embedded are licensed to and installed on the computer performing the editing. In downloading this file, parties accept therein the responsibility of not infringing Adobe's licensing policy. The ISO Central Secretariat accepts no liability in this area.

Adobe is a trademark of Adobe Systems Incorporated.

Details of the software products used to create this PDF file can be found in the General Info relative to the file; the PDF-creation parameters were optimized for printing. Every care has been taken to ensure that the file is suitable for use by ISO member bodies. In the unlikely event that a problem relating to it is found, please inform the Central Secretariat at the address given below.

iTeh STANDARD PREVIEW (standards.iteh.ai)

[SIST EN ISO 11446:2004](https://standards.iteh.ai/catalog/standards/sist/95827081-6944-4cf6-a6e4-518b252cf3ab/sist-en-iso-11446-2004)

<https://standards.iteh.ai/catalog/standards/sist/95827081-6944-4cf6-a6e4-518b252cf3ab/sist-en-iso-11446-2004>

© ISO 2004

All rights reserved. Unless otherwise specified, no part of this publication may be reproduced or utilized in any form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office
Case postale 56 • CH-1211 Geneva 20
Tel. + 41 22 749 01 11
Fax + 41 22 749 09 47
E-mail copyright@iso.org
Web www.iso.org

Published in Switzerland

Contents

Page

| | |
|--|----|
| Foreword | iv |
| 1 Scope | 1 |
| 2 Normative references | 1 |
| 3 Terms and definitions | 1 |
| 4 Dimensions | 1 |
| 4.1 General | 1 |
| 4.2 Plug | 1 |
| 4.3 Socket | 3 |
| 4.4 Park socket | 5 |
| 5 Application of the connector | 8 |
| 5.1 Connector positions and free space | 8 |
| 5.2 Contact allocation | 8 |
| 5.3 Contact designation | 8 |
| 5.4 Terminals | 9 |
| 5.5 Connecting cable | 9 |
| 6 Tests and requirements | 9 |

STANDARD PREVIEW
(standards.iteh.ai)

[SIST EN ISO 11446:2004](https://standards.iteh.ai/catalog/standards/sist/95827081-6944-4cf6-a6e4-518b252cf3ab/sist-en-iso-11446-2004)

<https://standards.iteh.ai/catalog/standards/sist/95827081-6944-4cf6-a6e4-518b252cf3ab/sist-en-iso-11446-2004>

ISO 11446:2004(E)**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.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

The main task of technical committees is to prepare International Standards. Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

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.

iTeh STANDARD PREVIEW
(standards.iteh.ai)

[SIST EN ISO 11446:2004](https://standards.iteh.ai/catalog/standards/sist/95827081-6944-4cf6-a6e4-518b252cf3ab/sist-en-iso-11446-2004)

<https://standards.iteh.ai/catalog/standards/sist/95827081-6944-4cf6-a6e4-518b252cf3ab/sist-en-iso-11446-2004>

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.