



# SLOVENSKI STANDARD SIST EN ISO 9692-1:2004

01-junij-2004

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j UfYbY'Zj UfYbY'H; ]b'j UfYbY'g'gbc dca 'fIGC' - \* - &!%&\$\$' Ł

Welding and allied processes - Recommendations for joint preparation - Part 1: Manual metal-arc welding, gas-shielded metal-arc welding, gas welding, TIG welding and beam welding of steels (ISO 9692-1:2003)

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Schweißen und verwandte Prozesse - Empfehlungen zur Schweißnahtvorbereitung - Teil 1: Lichtbogenhandschweißen, Schutzgasschweißen, Gasschweißen, WIG-Schweißen und Strahlschweißen von Stählen (ISO 9692-1:2003)

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Soudage et techniques connexes - Recommandations pour la préparation de joints - Partie 1: Soudage manuel a l'arc avec électrode enrobée, soudage a l'arc avec électrode fusible sous protection gazeuse, soudage aux gaz, soudage TIG et soudage par faisceau des aciers (ISO 9692-1:2003)

**Ta slovenski standard je istoveten z: EN ISO 9692-1:2003**

## ICS:

25.160.10 Varilni postopki in varjenje Welding processes

**SIST EN ISO 9692-1:2004**

**en**

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EUROPEAN STANDARD  
NORME EUROPÉENNE  
EUROPÄISCHE NORM

**EN ISO 9692-1**

December 2003

ICS 21.160.40

Supersedes EN ISO 29692:1994

English version

**Welding and allied processes - Recommendations for joint preparation - Part 1: Manual metal-arc welding, gas-shielded metal-arc welding, gas welding, TIG welding and beam welding of steels (ISO 9692-1:2003)**

Soudage et techniques connexes - Recommandations pour la préparation de joints - Partie 1: Soudage manuel à l'arc avec électrode enrobée, soudage à l'arc avec électrode fusible sous protection gazeuse, soudage aux gaz, soudage TIG et soudage par faisceau des aciers (ISO 9692-1:2003)

Schweißen und verwandte Prozesse - Empfehlungen zur Schweißnahtvorbereitung - Teil 1: Lichtbogenhandschweißen, Schutzgasschweißen, Gasschweißen, WIG-Schweißen und Strahlschweißen von Stählen (ISO 9692-1:2003)

This European Standard was approved by CEN on 8 December 2003.

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 Management Centre 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 Management Centre has the same status as the official versions.

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

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

## EN ISO 9692-1:2003 (E)

<b>CORRECTED 2004-03-03</b>
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**Foreword**

This document (EN ISO 9692-1:2003) has been prepared by Technical Committee ISO/TC 44 "Welding and allied processes" in collaboration with Technical Committee CEN/TC 121 "Welding", the secretariat of which is held by DS.

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 June 2004, and conflicting national standards shall be withdrawn at the latest by June 2004.

This document supersedes EN ISO 29692:1994.

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

**iTeh STANDARD PREVIEW****Endorsement notice**

The text of ISO 9692-1:2003 has been approved by CEN as EN ISO 9692-1:2003 without any modifications.

NOTE Normative references to International Standards are listed in annex ZA (normative).

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## Annex ZA (normative)

### Normative references to international publications with their relevant European publications

This European Standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies (including amendments).

NOTE Where an International Publication has been modified by common modifications, indicated by (mod.), the relevant EN/HD applies.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN</u>	<u>Year</u>
ISO 2553	1992	Welded, brazed and soldered joints - Symbolic representation on drawings	EN 22553	1994
ISO 6947	1993	Welds - Working positions - Definitions of angles of slope and rotation	EN ISO 6947	1997

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INTERNATIONAL  
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9692-1First edition  
2003-12-15

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**Welding and allied processes —  
Recommendations for joint  
preparation —**

Part 1:

**Manual metal-arc welding, gas-shielded  
metal-arc welding, gas welding, TIG  
welding and beam welding of steels**

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*Soudage et techniques connexes — Recommandations pour la  
préparation de joints —*

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*Partie 1: Soudage manuel à l'arc avec électrode enrobée, soudage à  
l'arc avec électrode fusible sous protection gazeuse, soudage aux gaz,  
soudage TIG et soudage par faisceau des aciers*

Reference number  
ISO 9692-1:2003(E)

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**ISO 9692-1:2003(E)****PDF disclaimer**

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## ISO 9692-1:2003(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 9692-1 was prepared by Technical Committee ISO/TC 44, *Welding and allied processes*, Subcommittee SC 7, *Representation and terms*.

This first edition of ISO 9692-1 cancels and replaces ISO 9692:1992 which has been technically revised.

ISO 9692 consists of the following parts, under the general title *Welding and allied processes — Recommendations for joint preparation*:

- *Part 1: Manual metal-arc welding, gas-shielded metal-arc welding, gas welding, TIG welding and beam welding of steels*
- *Part 2: Submerged arc welding of steels*
- *Part 3: Metal inert gas welding and tungsten inert gas welding of aluminium and its alloys*
- *Part 4: Clad steels*

## Introduction

This part of ISO 9692 defines the parameters characterizing the joint preparation and the collection of frequently recurring values and shapes.

The recommendations given in this part of ISO 9692 have been compiled on the basis of experience and contain dimensions for types of joint preparation that are generally found to lead to suitable welding conditions. However, the extended field of application makes it necessary to give a range of dimensions. The dimension ranges specified represent design limits and are not tolerances for manufacturing purposes. Manufacturing limits depend, for instance, on welding process, parent metal, welding position, quality level, etc. Because of the common character of this part of ISO 9692, the examples given cannot be regarded as the only solution for the selection of a joint type.

Specific fields of application and manufacturing requirements (e.g. pipeline construction) may be covered by selected ranges specified in other standards adapted from this basic part of ISO 9692.

Request for an official interpretation of technical aspects of this part of ISO 9692 should be directed to the relevant secretariat of ISO/TC 44/SC 7 via the user's national standardization body; a listing of these bodies can be found at [www.iso.org](http://www.iso.org).

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