



# SLOVENSKI STANDARD SIST EN ISO 13920:2023

01-september-2023

Nadomešča:  
SIST EN ISO 13920:1998

---

**Varjenje - Splošne tolerance za varjene konstrukcije - Dolžinske in kotne mere - Oblika in položaj (ISO 13920:2023)**

Welding - General tolerances for welded constructions - Dimensions for lengths and angles - Shape and position (ISO 13920:2023)

Schweißen - Allgemeintoleranzen für Schweißkonstruktionen - Längen und Winkelmaße, Form und Lage (ISO 13920:2023)

Soudage - Tolérances générales relatives aux constructions soudées - Dimensions des longueurs et angles, formes et positions (ISO 13920:2023)

**Ta slovenski standard je istoveten z: EN ISO 13920:2023**

---

**ICS:**

17.040.10	Tolerance in ujemi	Limits and fits
25.160.01	Varjenje, trdo in mehko spajkanje na splošno	Welding, brazing and soldering in general

**SIST EN ISO 13920:2023**

**en,fr,de**



EUROPEAN STANDARD

EN ISO 13920

NORME EUROPÉENNE

EUROPÄISCHE NORM

June 2023

ICS 25.160.01

Supersedes EN ISO 13920:1996

English Version

## Welding - General tolerances for welded constructions - Dimensions for lengths and angles - Shape and position (ISO 13920:2023)

Soudage - Tolérances générales relatives aux  
constructions soudées - Dimensions des longueurs et  
angles, formes et positions (ISO 13920:2023)

Schweißen - Allgemeintoleranzen für  
Schweißkonstruktionen - Längen- und Winkelmaße -  
Form und Lage (ISO 13920:2023)

This European Standard was approved by CEN on 2 June 2023.

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 CEN-CENELEC 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 CEN-CENELEC Management Centre has the same status as the official versions.

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



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

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

Contents	Page
European foreword.....	3

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

[SIST EN ISO 13920:2023](https://standards.iteh.ai/catalog/standards/sist/98d4ca23-7685-4217-a8a7-7fca844580f2/sist-en-iso-13920-2023)

<https://standards.iteh.ai/catalog/standards/sist/98d4ca23-7685-4217-a8a7-7fca844580f2/sist-en-iso-13920-2023>

## European foreword

This document (EN ISO 13920:2023) has been prepared by Technical Committee ISO/TC 44 "Welding and allied processes" in collaboration with Technical Committee CEN/TC 121 "Welding and allied processes" the secretariat of which is held by DIN.

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 December 2023, and conflicting national standards shall be withdrawn at the latest by December 2023.

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

This document supersedes EN ISO 13920:1996.

Any feedback and questions on this document should be directed to the users' national standards body/national committee. A complete listing of these bodies can be found on the CEN website.

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

(standards.iteh.ai)

## Endorsement notice

SIST EN ISO 13920:2023

The text of ISO 13920:2023 has been approved by CEN as EN ISO 13920:2023 without any modification.



INTERNATIONAL  
STANDARD

ISO  
13920

Second edition  
2023-06

---

---

**Welding — General tolerances for  
welded constructions — Dimensions  
for lengths and angles, shape and  
position**

*Soudage — Tolérances générales relatives aux constructions soudées  
— Dimensions des longueurs et angles, formes et positions*

iTeh STANDARD PREVIEW  
(standards.iteh.ai)

[SIST EN ISO 13920:2023](https://standards.iteh.ai/catalog/standards/sist/98d4ca23-7685-4217-a8a7-7fca844580f2/sist-en-iso-13920-2023)

<https://standards.iteh.ai/catalog/standards/sist/98d4ca23-7685-4217-a8a7-7fca844580f2/sist-en-iso-13920-2023>



Reference number  
ISO 13920:2023(E)

© ISO 2023

iTeh STANDARD PREVIEW  
(standards.iteh.ai)

SIST EN ISO 13920:2023

<https://standards.iteh.ai/catalog/standards/sist/98d4ca23-7685-4217-a8a7-7fca844580f2/sist-en-iso-13920-2023>



**COPYRIGHT PROTECTED DOCUMENT**

© ISO 2023

All rights reserved. Unless otherwise specified, or required in the context of its implementation, no part of this publication may be reproduced or utilized otherwise in any form or by any means, electronic or mechanical, including photocopying, or posting on the internet or an intranet, without prior written permission. Permission can be requested from either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office  
CP 401 • Ch. de Blandonnet 8  
CH-1214 Vernier, Geneva  
Phone: +41 22 749 01 11  
Email: [copyright@iso.org](mailto:copyright@iso.org)  
Website: [www.iso.org](http://www.iso.org)

Published in Switzerland



# Contents

	Page
Foreword.....	iv
<b>1 Scope</b> .....	<b>1</b>
<b>2 Normative references</b> .....	<b>1</b>
<b>3 Terms and definitions</b> .....	<b>1</b>
<b>4 General tolerances</b> .....	<b>2</b>
4.1 Tolerances for linear dimensions.....	2
4.2 Tolerances for angular dimensions.....	2
4.3 Straightness, flatness and parallelism tolerances.....	4
<b>5 Indications on drawings</b> .....	<b>5</b>
<b>6 Testing</b> .....	<b>5</b>
6.1 General.....	5
6.2 Straightness.....	5
6.3 Flatness.....	6
6.4 Parallelism.....	6
<b>7 Non-conformities</b> .....	<b>7</b>
<b>Bibliography</b> .....	<b>8</b>

iTeh STANDARD PREVIEW  
(standards.iteh.ai)

[SIST EN ISO 13920:2023](https://standards.iteh.ai/catalog/standards/sist/98d4ca23-7685-4217-a8a7-7fca844580f2/sist-en-iso-13920-2023)

<https://standards.iteh.ai/catalog/standards/sist/98d4ca23-7685-4217-a8a7-7fca844580f2/sist-en-iso-13920-2023>

## ISO 13920:2023(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.

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 document 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](http://www.iso.org/directives)).

ISO draws attention to the possibility that the implementation of this document may involve the use of (a) patent(s). ISO takes no position concerning the evidence, validity or applicability of any claimed patent rights in respect thereof. As of the date of publication of this document, ISO had/had not received notice of (a) patent(s) which may be required to implement this document. However, implementers are cautioned that this may not represent the latest information, which may be obtained from the patent database available at [www.iso.org/patents](http://www.iso.org/patents). ISO shall not be held responsible for identifying any or all such patent rights.

Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

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](http://www.iso.org/iso/foreword.html).

This document was prepared by Technical Committee ISO/TC 44, *Welding and allied processes*, Subcommittee SC 10, *Quality management in the field of welding*, in collaboration with the European Committee for Standardization (CEN) Technical Committee CEN/TC 121, *Welding and allied processes*, in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement).

This second edition cancels and replaces the first edition (ISO 13920:1996), of which it constitutes a minor revision. The main changes are as follows:

- references have been updated;
- presentation has been updated to the latest ISO styles.

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](http://www.iso.org/members.html). Official interpretations of ISO/TC 44 documents, where they exist, are available from this page: <https://committee.iso.org/sites/tc44/home/interpretation.html>.