



SLOVENSKI STANDARD SIST EN ISO 17653:2012

01-september-2012

Nadomešča:
SIST EN ISO 17653:2003

**Uporovno varjenje - Porušitveni preskusi na zvarih na kovinskih materialih -
Torzijski preskus uporovnih točkovnih zvarov (ISO 17653:2012)**

Resistance welding - Destructive tests on welds in metallic materials - Torsion test of
resistance spot welds (ISO 17653:2012)

Widerstandsschweißen - Zerstörende Prüfung von Schweißverbindungen an
metallischen Werkstoffen - Torsionsversuch an Widerstandspunktschweißungen (ISO
17653:2012)

[SIST EN ISO 17653:2012](http://standards.iteh.ai)
standards.iteh.ai

Soudage par résistance - Essais destructifs des soudures sur matériaux métalliques -
Essai de torsion de soudure par résistance par points (ISO 17653:2012)

Ta slovenski standard je istoveten z: EN ISO 17653:2012

ICS:

25.160.40 Varjeni spoji in vari Welded joints

SIST EN ISO 17653:2012 en,fr

iTeh STANDARD PREVIEW
(standards.iteh.ai)

[SIST EN ISO 17653:2012](#)

<https://standards.iteh.ai/catalog/standards/sist/86d65fc6-3ee3-4a0c-87eb-5c76c9c21814/sist-en-iso-17653-2012>

EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN ISO 17653

May 2012

ICS 25.160.40

Supersedes EN ISO 17653:2003

English Version

Resistance welding - Destructive tests on welds in metallic materials - Torsion test of resistance spot welds (ISO 17653:2012)

Soudage par résistance - Essais destructifs des soudures sur matériaux métalliques - Essai de torsion de soudure par résistance par points (ISO 17653:2012)

Widerstandsschweißen - Zerstörende Prüfung von Schweißverbindungen an metallischen Werkstoffen - Torsionsversuch an Widerstandspunktschweißverbindungen (ISO 17653:2012)

This European Standard was approved by CEN on 20 April 2012.

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, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and United Kingdom.



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

Management Centre: Avenue Marnix 17, B-1000 Brussels

Contents

Page

Foreword.....3

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

[SIST EN ISO 17653:2012](https://standards.iteh.ai/catalog/standards/sist/86d65fc6-3ee3-4a0c-87eb-5c76c9c21814/sist-en-iso-17653-2012)

<https://standards.iteh.ai/catalog/standards/sist/86d65fc6-3ee3-4a0c-87eb-5c76c9c21814/sist-en-iso-17653-2012>

Foreword

This document (EN ISO 17653:2012) 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 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 November 2012, and conflicting national standards shall be withdrawn at the latest by November 2012.

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

This document supersedes EN ISO 17653:2003.

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, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

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

The text of ISO 17653:2012 has been approved by CEN as a EN ISO 17653:2012 without any modification.

<https://standards.iteh.ai/catalog/standards/sist/86d65fc6-3ee3-4a0c-87eb-5c76c9c21814/sist-en-iso-17653-2012>

iTeh STANDARD PREVIEW
(standards.iteh.ai)

[SIST EN ISO 17653:2012](#)

<https://standards.iteh.ai/catalog/standards/sist/86d65fc6-3ee3-4a0c-87eb-5c76c9c21814/sist-en-iso-17653-2012>

INTERNATIONAL STANDARD

ISO
17653

Second edition
2012-05-01

Resistance welding — Destructive tests on welds in metallic materials — Torsion test of resistance spot welds

*Soudage par résistance — Essais destructifs des soudures sur matériaux
métalliques — Essai de torsion de soudure par résistance par points*

iTeh STANDARD PREVIEW
(standards.iteh.ai)

[SIST EN ISO 17653:2012](https://standards.iteh.ai/catalog/standards/sist/86d65fc6-3ee3-4a0c-87eb-5c76c9c21814/sist-en-iso-17653-2012)

<https://standards.iteh.ai/catalog/standards/sist/86d65fc6-3ee3-4a0c-87eb-5c76c9c21814/sist-en-iso-17653-2012>



Reference number
ISO 17653:2012(E)

© ISO 2012

iTeh STANDARD PREVIEW (standards.iteh.ai)

[SIST EN ISO 17653:2012](https://standards.iteh.ai/catalog/standards/sist/86d65fc6-3ee3-4a0c-87eb-5c76c9c21814/sist-en-iso-17653-2012)

<https://standards.iteh.ai/catalog/standards/sist/86d65fc6-3ee3-4a0c-87eb-5c76c9c21814/sist-en-iso-17653-2012>



COPYRIGHT PROTECTED DOCUMENT

© ISO 2012

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	Specimens	1
5	Testing equipment and testing procedure	2
5.1	Non-instrumented torsion test (workshop test)	2
5.2	Instrumented torsion test	3
6	Evaluation of test results whenever applying the instrumented torsion tests	4
7	Test report	5

iTeh STANDARD PREVIEW
(standards.iteh.ai)

[SIST EN ISO 17653:2012](https://standards.iteh.ai/catalog/standards/sist/86d65fc6-3ee3-4a0c-87eb-5c76c9c21814/sist-en-iso-17653-2012)

<https://standards.iteh.ai/catalog/standards/sist/86d65fc6-3ee3-4a0c-87eb-5c76c9c21814/sist-en-iso-17653-2012>