Resistance welding - Destructive tests of welds - Failure types and geometric measurements for resistance spot, seam and projection welds

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EESTI STANDARDI EESSÕNA **NATIONAL FOREWORD**

Käesolev Eesti standard EVS-EN ISO 14329:2004 sisaldab Euroopa standardi EN ISO 14329:2003 ingliskeelset teksti. Käesolev dokument on jõustatud 23.11.2004 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes. Standard on kättesaadav Eesti standardiorganisatsioonist.	This Estonian standard EVS-EN ISO 14329:2004 consists of the English text of the European standard EN ISO 14329:2003. This document is endorsed on 23.11.2004 with the notification being published in the official publication of the Estonian national standardisation organisation. The standard is available from Estonian standardisation organisation.

Käsitlusala: This International Standard specifies the definitions of the geometric measurements and fracture types to be used in relation to the testing of resistance spot, projection and seam welds in which different loading configurations cause different stress distributions in the weld (see Figure 1). The aim of these definitions is to give a base for all other related standards.	**Scope:** This International Standard specifies the definitions of the geometric measurements and fracture types to be used in relation to the testing of resistance spot, projection and seam welds in which different loading configurations cause different stress distributions in the weld (see Figure 1). The aim of these definitions is to give a base for all other related standards.

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Võtmesõnad:

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English version

Resistance welding - Destructive tests of welds - Failure types and geometric measurements for resistance spot, seam and projection welds (ISO 14329:2003)

Soudage par résistance - Essais destructifs des soudures - Types de rupture et dimensions géométriques pour les assemblages soudés par résistance par points, à la molette et par bossages (ISO 14329:2003)

Widerstandsschweißen - Zerstörende Prüfung von Schweißverbindungen - Brucharten und geometrische Messgrößen für Widerstandspunkt-, Rollennaht- und Buckelschweißungen (ISO/FDIS 14329:2003)

This European Standard was approved by CEN on 5 June 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.

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

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Ref. No. EN ISO 14329:2003 E

Foreword

This document (EN ISO 14329:2003) 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 January 2004, and conflicting national standards shall be withdrawn at the latest by January 2004.

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.

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.

Endorsement notice

The text of ISO 14329:2003 has been approved by CEN as EN ISO 14329:2003 without any modifications.

INTERNATIONAL STANDARD

ISO 14329

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Resistance welding — Destructive tests of welds — Failure types and geometric measurements for resistance spot, seam and projection welds

Soudage par résistance — Essais destructifs des soudures — Types de rupture et dimensions géométriques pour les assemblages soudés par résistance par points, à la molette et par bossages

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Foreword

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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.

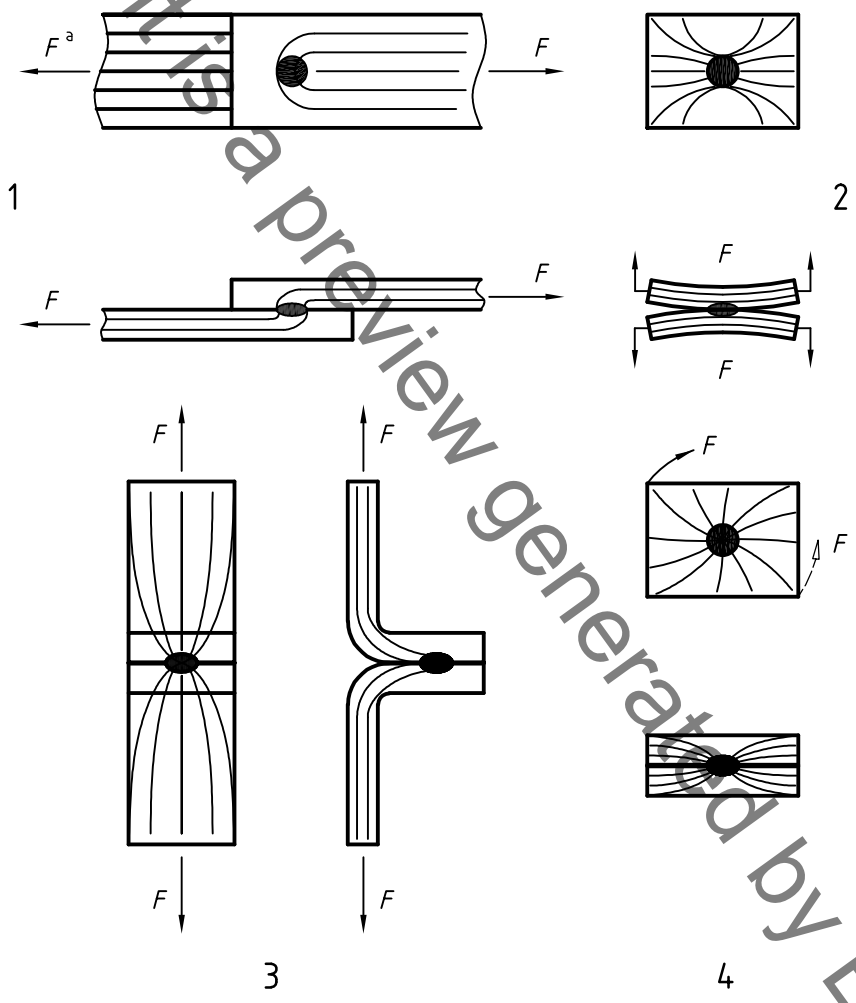
Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

ISO 14329 was prepared in collaboration with the International Institute of Welding which has been approved by the ISO Council as an international standardizing body in the field of welding.

Resistance welding — Destructive tests of welds — Failure types and geometric measurements for resistance spot, seam and projection welds

1 Scope

This International Standard specifies the definitions of the geometric measurements and fracture types to be used in relation to the testing of resistance spot, projection and seam welds in which different loading configurations cause different stress distributions in the weld (see Figure 1). The aim of these definitions is to give a base for all other related standards.



Key

1 shear testing
2 cross tension testing
3 peel testing
4 torsion testing

a Testing load

Figure 1 — Schematic illustrations showing stress distribution depending on direction of the testing load