

**Specification and approval of welding
procedures for metallic materials - Welding
procedure specification - Part 2: Gas
welding**

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for metallic materials - Welding procedure
specification - Part 2: Gas welding

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

<p>Käesolev Eesti standard EVS-EN ISO 15609-2:2002 sisaldab Euroopa standardi EN ISO 15609-2:2001 ingliskeelset teksti.</p> <p>Käesolev dokument on jõustatud 19.04.2002 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.</p> <p>Standard on kättesaadav Eesti standardiorganisatsioonist.</p>	<p>This Estonian standard EVS-EN ISO 15609-2:2002 consists of the English text of the European standard EN ISO 15609-2:2001.</p> <p>This document is endorsed on 19.04.2002 with the notification being published in the official publication of the Estonian national standardisation organisation.</p> <p>The standard is available from Estonian standardisation organisation.</p>
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<p>Käsitlusala:</p> <p>This standard specifies requirements for the content of welding procedure specifications for gas welding processes. This standard is part of a series of standards.</p>	<p>Scope:</p> <p>This standard specifies requirements for the content of welding procedure specifications for gas welding processes. This standard is part of a series of standards.</p>
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Võtmesõnad: approval, definition, definitions, gas welding, materials, metal welding, metallic, metals, specification (approval), specifications, suitability, testing conditions, welded joints, welding, welding engineering, welding procedure specification, welding processes

English version

Specification and qualification of welding procedures for metallic materials

Welding procedure specification

Part 2: Gas welding
(ISO 15609-2 : 2001)

Descriptif et qualification d'un mode opératoire de soudage pour les matériaux métalliques – Descriptif d'un mode opératoire de soudage – Partie 2: Soudage aux gaz (ISO 15609-2 : 2001)

Anforderung und Qualifizierung von Schweißverfahren für metallische Werkstoffe – Schweißanweisung – Teil 2: Gasschweißen (ISO 15609-2 : 2001)

This European Standard was approved by CEN on 2001-05-02.

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.

The European Standards exist 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, the Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, the Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, and the United Kingdom.

CEN

European Committee for Standardization
Comité Européen de Normalisation
Europäisches Komitee für Normung

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Foreword

The text of EN ISO 15609-2:2001 has been prepared by Technical Committee CEN/TC 121 "Welding", the secretariat of which is held by DS, in collaboration with Technical Committee ISO/TC 44 "Welding and allied processes".

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 March 2002, and conflicting national standards shall be withdrawn at the latest by March 2002.

This European Standard has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association, and supports essential requirements of EU Directive(s).

Annex A is informative.

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, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and the United Kingdom.

1 Scope

This European Standard specifies requirements for the content of welding procedure specifications for gas welding processes.

This standard is part of a series of standards, details of this series are given in prEN ISO 15607, annex A.

Variables listed in this standard are those influencing the quality of the welded joint.

2 Normative references

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).

EN ISO 4063, *Welding and allied processes – Nomenclature of processes and reference numbers* (ISO 4063:1998).

EN ISO 6947, *Welds - Working positions - Definitions of angles of slope and rotation* (ISO 6947:1993).

prEN ISO 15607, *Specification and approval of welding procedures for metallic materials – General rules* (ISO/DIS 15607:2000).

CR ISO 15608, *Welding – Guidelines for a metallic material grouping system* (ISO/TR 15608:2000).

3 Terms and definitions

For the purposes of this European Standard, the terms and definitions given in prEN ISO 15607 apply.

4 Technical contents of Welding Procedure Specification (WPS)

4.1 General

The Welding Procedure Specification (WPS) shall give details of how a welding operation is to be successfully performed.

Welding Procedure Specifications may cover a certain range of thickness of the joined parts and may also cover a range of parent materials or welding consumables. Some manufacturers may prefer additionally to prepare work instructions for each specific job as part of detailed production planning.

Information listed in 4.2 to 4.4 is adequate for most gas welding procedures. For some applications it may be necessary to supplement or reduce the list.

Ranges and tolerances, according to the relevant standard of the series (see prEN ISO 15607) and to the manufacturer's experience, shall be specified where appropriate.

An example of the WPS-format is shown in annex A.