

**Keevitustarvikud. Sulakeevituse ja seonduvate
protsesside kaitsegaasid**

Welding consumables - Gases and gas mixtures for
fusion welding and allied processes

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

<p>Käesolev Eesti standard EVS-EN ISO 14175:2008 sisaldab Euroopa standardi EN ISO 14175:2008 ingliskeelset teksti.</p> <p>Standard on kinnitatud Eesti Standardikeskuse 24.04.2008 käskkirjaga ja jõustub sellekohase teate avaldamisel EVS Teatajas.</p> <p>Euroopa standardimisorganisatsioonide poolt rahvuslikele liikmetele Euroopa standardi teksti kättesaadavaks tegemise kuupäev on 05.03.2008.</p> <p>Standard on kättesaadav Eesti standardiorganisatsioonist.</p>	<p>This Estonian standard EVS-EN ISO 14175:2008 consists of the English text of the European standard EN ISO 14175:2008.</p> <p>This standard is ratified with the order of Estonian Centre for Standardisation dated 24.04.2008 and is endorsed with the notification published in the official bulletin of the Estonian national standardisation organisation.</p> <p>Date of Availability of the European standard text 05.03.2008.</p> <p>The standard is available from Estonian standardisation organisation.</p>
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Võtmesõnad: gaasid, kaarkeevitus, keemilised omadused, keevitamine kaitsegaasis, keevitus, klassifikatsioonid, segugaasid, tähistus

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Kui Teil on küsimusi standardite autorikaitse kohta, palun võtke ühendust Eesti Standardikeskusega:
Aru 10 Tallinn 10317 Eesti; www.evs.ee; Telefon: 605 5050; E-post: info@evs.ee

English Version

Welding consumables - Gases and gas mixtures for fusion
welding and allied processes (ISO 14175:2008)

Produits consommables pour le soudage - Gaz et
mélanges gazeux pour le soudage par fusion et les
techniques connexes (ISO 14175:2008)

Schweißzusätze - Gase und Mischgase für das
Lichtbogenschweißen und verwandte Prozesse (ISO
14175:2008)

This European Standard was approved by CEN on 7 February 2008.

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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

Foreword

This document (EN ISO 14175:2008) 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 September 2008, and conflicting national standards shall be withdrawn at the latest by September 2008.

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 439:1994.

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Endorsement notice

The text of ISO 14175:2008 has been approved by CEN as a EN ISO 14175:2008 without any modification.

Welding consumables — Gases and gas mixtures for fusion welding and allied processes

1 Scope

This International Standard specifies requirements for the classification of gases and gas mixtures used in fusion welding and allied processes including, but not limited to:

- tungsten arc welding (Process 141);
- gas-shielded metal arc welding (Process 13);
- plasma arc welding (Process 15);
- plasma arc cutting (Process 83);
- laser welding (Process 52);
- laser cutting (Process 84);
- arc braze welding (Process 972).

NOTE Process numbers are in accordance with ISO 4063.

The purpose of this International Standard is to classify and designate shielding, backing, process and assist gases in accordance with their chemical properties and metallurgical behaviour as the basis for correct selection by the user and to simplify the possible qualification procedures.

Gas purities and mixing tolerances are specified as delivered by the supplier (manufacturer) and not at the point of use.

Gases or gas mixtures may be supplied in either liquid or gaseous form, but when used for welding and allied processes, the gases are always used in the gaseous form.

Fuel gases, such as acetylene, natural gas, propane, etc., and resonator gases, as used in gas lasers, are not covered by this International Standard.

Transportation and handling of gases and containers shall be in accordance with local, national and regional standards and regulations as required.

2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 31-0:1992, *Quantities and units — Part 0: General principles*