



NSAI
Standards

Irish Standard
I.S. EN ISO 5172:2006&A1:2012&A2:2015

Gas welding equipment - Blowpipes for gas welding, heating and cutting - Specifications and tests (ISO 5172:2006)

I.S. EN ISO 5172:2006&A1:2012&A2:2015

Incorporating amendments/corrigenda/National Annexes issued since publication:

EN ISO 5172:2006/A1:2012

EN ISO 5172:2006/A2:2015

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This document is based on:

EN ISO 5172:2006

Published:

2009-04-28

*This document was published
under the authority of the NSAI
and comes into effect on:*

2015-05-09

ICS number:

25.160.30

NOTE: If blank see CEN/CENELEC cover page

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN ISO 5172:2006/A2

April 2015

ICS 25.160.30

English Version

Gas welding equipment - Blowpipes for gas welding, heating and cutting - Specifications and tests (ISO 5172:2006/Amd 2:2015)

Matériel de soudage aux gaz - Chalumeaux pour soudage aux gaz, chauffage et coupage - Spécifications et essais (ISO 5172:2006/Amd 2:2015)

Gasschweißgeräte - Brenner für Schweißen, Wärmen und Schneiden - Anforderungen und Prüfungen (ISO 5172:2006/Amd 2:2015)

This amendment A2 modifies the European Standard EN ISO 5172:2006; it was approved by CEN on 5 March 2015.

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CEN-CENELEC Management Centre: Avenue Marnix 17, B-1000 Brussels

EN ISO 5172:2006/A2:2015 (E)

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Foreword

This document (EN ISO 5172:2006/A2:2015) 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 Amendment to the European Standard EN ISO 5172:2006 shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by October 2015, and conflicting national standards shall be withdrawn at the latest by October 2015.

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN ISO 5172:2006/A1

July 2012

ICS 25.160.30

English Version

**Gas welding equipment - Blowpipes for gas welding, heating
and cutting - Specifications and tests - Amendment 1 (ISO
5172:2006/Amd 1:2012)**

Matériel de soudage aux gaz - Chalumeaux pour soudage
aux gaz, chauffage et coupage - Spécifications et essais -
Amendement 1 (ISO 5172:2006/Amd 1:2012)

Gasschweißgeräte - Brenner für Schweißen, Wärmen und
Schneiden - Anforderungen und Prüfungen - Änderung 1
(ISO 5172:2006/Amd 1:2012)

This amendment A1 modifies the European Standard EN ISO 5172:2006; it was approved by CEN on 14 July 2012.

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Foreword

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The text of ISO 5172:2006/Amd 1:2012 has been approved by CEN as a EN ISO 5172:2006/A1:2012 without any modification.

EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN ISO 5172

April 2006

ICS 25.160.30

Supersedes EN 874:1995, EN ISO 5172:1996

English Version

**Gas welding equipment - Blowpipes for gas welding, heating
and cutting - Specifications and tests (ISO 5172:2006)**

Matériel de soudage aux gaz - Chalumeaux pour soudage
aux gaz, chauffage et coupage - Spécifications et essais
(ISO 5172:2006)

Gasschweißgeräte - Brenner für Schweißen, Wärmen und
Schneiden - Anforderungen und Prüfungen (ISO
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EN ISO 5172:2006 (E)

Foreword

This document (EN ISO 5172:2006) 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.

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This document supersedes EN 874:1995 and EN ISO 5172:1996.

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Endorsement notice

The text of ISO 5172:2006 has been approved by CEN as EN ISO 5172:2006 without any modifications.

INTERNATIONAL STANDARD

**ISO
5172**

Third edition
2006-04-01

Gas welding equipment — Blowpipes for gas welding, heating and cutting — Specifications and tests

*Matériel de soudage aux gaz — Chalumeaux pour soudage aux gaz,
chauffage et coupage — Spécifications et essais*



Reference number
ISO 5172:2006(E)

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Published in Switzerland

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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.

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.

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ISO 5172 was prepared by Technical Committee ISO/TC 44, *Welding and allied processes*, Subcommittee SC 8, *Equipment for gas welding, cutting and allied processes*.

This third edition of ISO 5172 cancels and replaces ISO 5172:1995, ISO 5172:1995/Amd.1:1995 and ISO 5186:1995, of which it constitutes a technical revision.

ISO 5172:2006(E)

Introduction

Requests for official interpretations of any aspect of this standard should be directed to the Secretariat of ISO/TC 44/SC 8 via your national standards body, a complete listing which can be found at www.iso.org.

Gas welding equipment — Blowpipes for gas welding, heating and cutting — Specifications and tests

1 Scope

This International Standard specifies specifications and tests for blowpipes for gas welding, heating and cutting of metals. It applies to manual blowpipes for welding and heating with a nominal thermal power up to 32 000 kcal/h, and manual and machine cutting blowpipes with a cutting range up to 300 mm.

This International Standard does not apply to air-aspirated blowpipes which are covered in ISO 9012.

NOTE 1 Blowpipes with greater nominal thermal power or cutting range can also be tested in accordance with this International Standard if the test requirements are suitable.

NOTE 2 For the most common fuel gases, the corresponding flow rates are given in Table A.1.

NOTE 3 Examples of blowpipes are shown in Annex B, which also gives the terminology concerning these blowpipes.

In addition to terms used in two of the three official ISO languages (English and French), this annex gives the equivalent terms in German; these are published under the responsibility of the member body for Germany (DIN) and are given for information only. Only the terms and definitions given in the official languages can be considered as ISO terms.

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 554, *Standard atmospheres for conditioning and/or testing — Specifications*

ISO 5175, *Equipment used in gas welding, cutting and allied processes — Safety devices for fuel gases and oxygen or compressed air — General specifications, requirements and tests*

ISO 9539, *Materials for equipment used in gas welding, cutting and allied processes*

ISO 15296, *Gas welding equipment — Vocabulary — Terms used for gas welding equipment*

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