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I.S. EN ISO 13769:2009

# Gas cylinders - Stamp marking (ISO 13769:2007)

## I.S. EN ISO 13769:2009

*Incorporating amendments/corrigenda issued since publication:*

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EUROPEAN STANDARD

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Supersedes EN ISO 13769:2006

English Version

## Gas cylinders - Stamp marking (ISO 13769:2007)

Bouteilles à gaz - Marquage (ISO 13769:2007)

Gasflaschen - Stempelung (ISO 13769:2007)

This European Standard was approved by CEN on 21 March 2009.

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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 Management Centre has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Bulgaria, 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 and United Kingdom.



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## **Foreword**

The text of ISO 13769:2007 has been prepared by Technical Committee ISO/TC 58 "Gas cylinders" of the International Organization for Standardization (ISO) and has been taken over as EN ISO 13769:2009 by Technical Committee CEN/TC 23 "Transportable gas cylinders" the secretariat of which is held by BSI.

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of an identical text or by endorsement, at the latest by October 2009, and conflicting national standards shall be withdrawn at the latest by October 2009.

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 13769:2006.

This document 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).

For relationship with EU Directive(s), see normative Annex Z, which is an integral part of this document.

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, 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 and the United Kingdom.

### **Endorsement notice**

The text of ISO 13769:2007 has been approved by CEN as a EN ISO 13769:2009 without any modification.

## **Annex Z (normative)**

### **For countries following RID/ADR/ADN and the TPED**

This annex describes the modifications necessary to align ISO 13769 with the marking provisions of the European regulations on the transport of dangerous goods by rail and road, the RID, ADR and ADN respectively and whose technical annexes are declared as obligatory provisions for shipments of dangerous goods within the EU by the framework Directives 94/55/EC and 96/49/EC.

It further indicates the additional marking requirements of the Transportable Pressure Equipment Directive 99/36/EC, the TPED, which ensures free movement and use of such equipment.

The modification shall consist in changing the last lines of stamp marking of both the front and rear of Figures A.1, A.2 and A.3 of the International Standard as shown in Figures Z.1, Z.2 and Z.3 respectively of this annex.

NOTE 1 The marking of gas cylinders is regulated by RID, ADR and ADN which take precedence over any clause in this standard. However, EN ISO 13769:2008 has been accepted as complying with the text of RID/ADR from 2009-01-01. Non-compliances of this standard with RID, ADR and ADN may occur in the case that the markings provisions have been amended as part of the two yearly update of the regulations. Similarly, the TPED is subject to revisions with the consequential risk of possible non-compliances of this standard.

NOTE 2 For the full definitions of each stamp marking, see Table 1 in the text of the ISO standard.

#### **Additional Bibliography items:**

[1] ADR, *European agreement on the International Carriage of Dangerous Goods by Road*

[2] RID, *Regulations concerning the International Carriage of Dangerous Goods by Rail*

[3] 99/36/EC, *Council Directive 1999/36/EC of 29 April 1999 on transportable pressure equipment*

[4] ADN, *European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways*

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**STANDARD**

**ISO**  
**13769**

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## **Gas cylinders — Stamp marking**

*Bouteilles à gaz — Marquage*



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ISO 13769:2007(E)

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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.

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 13769 was prepared by Technical Committee ISO/TC 58, *Gas cylinders*, Subcommittee SC 4, *Operational requirements for gas cylinders*.

This second edition cancels and replaces the first edition (ISO 13769:2002) and ISO 13769:2002/Amd1:2003, which have been technically revised.

## **Introduction**

This International Standard has been prepared on the basis of the 14th revised edition of the United Nations *Recommendations on the Transport of Dangerous Goods — Model Regulations*. It is intended to be applied at the time of cylinder manufacture. However, it could be applied by the cylinder user during use operations, e.g. the stamping of “empty weight” (item 10 in Figures A.1, A.2 and A.3) on to cylinders not so marked at the time of manufacture.

Some stamp markings include the year and date. The order of these time elements is given with the most significant figures (the year) to the left, in accordance with the rules given in ISO 8601.



# Gas cylinders — Stamp marking

## 1 Scope

This International Standard specifies stamp marking of refillable transportable gas cylinders and tubes of volume greater than 0,5 l and less than or equal to 3 000 l, including:

- steel and aluminium gas cylinders;
- composite gas cylinders;
- acetylene cylinders;
- LPG cylinders (see Annex B).

These are hereafter referred to as “cylinders”.

## 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 11114-1:1997, *Transportable gas cylinders — Compatibility of cylinder and valve materials with gas contents — Part 1: Metallic materials*

## 3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

### 3.1

#### **permanent marking**

#### **stamp marking**

marking applied to cylinders by hard metal stamping, engraving, casting or other similar methods

NOTE 1 This marking remains legible during the entire lifespan of the cylinder.

NOTE 2 For composite cylinders, permanent markings may be achieved by use of a printed label encapsulated either by placing it under the resin or by covering it with a permanent transparent coating on the shoulder or the side wall of the cylinder (see also 4.3).

### 3.2

#### **durable marking**

marking such as stencilling (marking of the item using inks and/or paints), labelling (in accordance with e.g. ISO 7225) or other suitable methods

NOTE This marking can be modified but has to remain legible for a limited period.

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