

Gas cylinders - Acetylene cylinder bundles - Filling conditions and filling inspection (ISO 13088:2011)

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NATIONAL FOREWORD

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English Version

**Gas cylinders - Acetylene cylinder bundles - Filling conditions
and filling inspection (ISO 13088:2011)**

Bouteilles à gaz - Cadres de bouteilles d'acétylène -
Conditions de remplissage et contrôle au remplissage (ISO
13088:2011)

Gasflaschen - Acetylenflaschenbündel - Füllbedingungen
und Inspektion beim Füllen (ISO 13088:2011)

This European Standard was approved by CEN on 6 October 2012.

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Foreword

The text of ISO 13088:2011 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 13088:2012 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of an identical text or by endorsement, at the latest by April 2013, and conflicting national standards shall be withdrawn at the latest by April 2013.

This European Standard has been submitted for reference into the RID and/or in the technical annexes of the ADR.

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Endorsement notice

The text of ISO 13088:2011 has been approved by CEN as a EN ISO 13088:2012 without any modification.

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Introduction

This International Standard aims at the harmonization of the different operating and filling conditions of acetylene cylinder bundles and covers requirements that reflect current practice and experience regarding inspection at the time of filling.

Where there is any conflict between this International Standard and any applicable regulation, the regulation always takes precedence.

In International Standards, weight is equivalent to a force, expressed in newtons. However, in common parlance (as used in terms defined in this International Standard), the word “weight” continues to be used to mean “mass”, but this practice is deprecated (see ISO 80000-4).

In this International Standard the unit bar is used, due to its universal use in the field of technical gases. It should, however, be noted that bar is not an SI unit, and that the according SI unit for pressure is pascal (Pa).

Pressure values given in this International Standard are given as gauge pressure (pressure exceeding atmospheric pressure) unless noted otherwise.

Gas cylinders — Acetylene cylinder bundles — Filling conditions and filling inspection

1 Scope

This International Standard specifies the minimum requirements for the filling conditions and filling inspection of acetylene cylinder bundles. It applies both to bundles which are filled while the cylinders are assembled in the bundle and to bundles of which the cylinders are filled as individual cylinders and are assembled into a bundle after filling. It does not apply to bundles containing solvent-free acetylene cylinders.

This International Standard is not applicable to individual acetylene cylinders that are not intended to be assembled into a bundle (see ISO 11372).

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 11372, *Gas cylinders — Acetylene cylinders — Filling conditions and filling inspection*

3 Terms and definitions

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

3.1

acetylene cylinder

cylinder manufactured and suitable for the transport of acetylene, containing a porous material and solvent for acetylene, with a valve and other accessories affixed to the cylinder

NOTE When there is no risk of ambiguity, the word “cylinder” is used.

3.2

acetylene cylinder bundle

transportable unit comprising of at least 2 cylinders up to and usually not exceeding 16 cylinders that are permanently connected together by a manifold and contained within a rigid frame equipped with all necessary equipment for filling and use

3.3

cylinder shell

⟨acetylene cylinders⟩ empty cylinder manufactured and suitable for receiving and containing a porous material for use as part of an acetylene cylinder

3.4

filler

⟨gas cylinders⟩ trained person responsible for inspection prior to, during and immediately after filling