
**Gas cylinders — 17E and 25E taper
threads for connection of valves to gas
cylinders —**

**Part 2:
Inspection gauges**

*Bouteilles à gaz — Filetages coniques 17E et 25E pour le
raccordement des robinets sur les bouteilles à gaz —*

Partie 2: Calibres de contrôle





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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.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

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For an explanation on the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT) see the following URL: www.iso.org/iso/foreword.html.

This document was prepared by Technical Committee ISO/TC 58, *Gas cylinders*, Subcommittee SC 2, *Cylinder fittings*.

This second edition cancels and replaces the first edition (ISO 11363-2:2010), which has been technically revised.

The main change compared to the previous edition is as follows:

- Figure 9 has been corrected.

A list of all parts in the ISO 11363 series can be found on the ISO website.

Introduction

Gas cylinders intended to contain compressed, liquefied or dissolved gas under pressure are fitted with accessories to allow release and refilling of gas. Hereinafter, the term “valve” will apply to such accessories.

Where the connection between cylinder and valve is obtained by assembly of two taper threads (an external one on the valve stem and an internal one in the cylinder neck), both shall have the same nominal taper, thread pitch and thread profile.

Gas cylinders — 17E and 25E taper threads for connection of valves to gas cylinders —

Part 2: Inspection gauges

1 Scope

This document specifies types, dimensions and principles of use of gauges, to be used in conjunction with the taper threads specified in ISO 11363-1 (i.e. 17E and 25E threads).

It provides examples of calculations for thread gauge dimensions on the large end diameter ([Annex A](#)) and draws attention to the limitations of the gauging system specified ([Annex B](#)).

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements 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 11363-1, *Gas cylinders — 17E and 25E taper threads for connection of valves to gas cylinders — Part 1: Specifications*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in ISO 11363-1 and the following apply.

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

- ISO Online browsing platform: available at <http://www.iso.org/obp>
- IEC Electropedia: available at <http://www.electropedia.org/>

3.1

check gauge

gauge for checking dimensional conformity of inspection gauges

Note 1 to entry: This gauge is not used for gauging cylinder neck threads or valve stem threads.

3.2

inspection gauge

gauge used for the routine gauging of cylinder neck and valve stem threads

Note 1 to entry: This gauge is not used for checking other gauges.

3.3

single-part gauge

gauge of sufficient length to contact the length of full form taper threads

Note 1 to entry: These gauges are either plugs or rings, plain or threaded.