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NSAI Standards

Irish Standard
I.S. EN ISO 11363-2:2017

Gas cylinders - 17E and 25E taper threads for connection of valves to gas cylinders - Part 2: Inspection gauges (ISO 11363-2:2017)

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National Foreword

I.S. EN ISO 11363-2:2017 is the adopted Irish version of the European Document EN ISO 11363-2:2017, Gas cylinders - 17E and 25E taper threads for connection of valves to gas cylinders - Part 2: Inspection gauges (ISO 11363-2:2017)

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NORME EUROPÉENNE

EUROPÄISCHE NORM

EN ISO 11363-2

December 2017

ICS 23.020.35

Supersedes EN ISO 11363-2:2010

English Version

Gas cylinders - 17E and 25E taper threads for connection of valves to gas cylinders - Part 2: Inspection gauges (ISO 11363-2:2017)

Bouteilles à gaz - Filetages coniques 17E et 25E pour le raccordement des robinets sur les bouteilles à gaz - Partie 2: Calibres de contrôle (ISO 11363-2:2017)

Gasflaschen - 17E und 25E kegeliges Gewinde zur Verbindung von Ventilen mit Gasflaschen - Teil 2: Prüflehren (ISO 11363-2:2017)

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Contents

Page

European foreword **3**

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European foreword

This document (EN ISO 11363-2:2017) has been prepared by Technical Committee ISO/TC 58 "Gas cylinders" in collaboration with 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of an identical text or by endorsement, at the latest by June 2018, and conflicting national standards shall be withdrawn at the latest by June 2018.

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INTERNATIONAL STANDARD

ISO 11363-2

Second edition
2017-10

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

Reference number
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Contents

Page

Foreword ..... **iv**

Introduction ..... **v**

1 Scope **1**

2 Normative references **1**

3 Terms and definitions **1**

4 Requirements **2**
- 4.1 Materials 2
- 4.2 Thread profile 2
- 4.3 Thread handedness 4
- 4.4 Taper 4
- 4.5 Pitch, *P* *4*

5 Gauge dimensions **4**

6 Inspection gauges **5**
- 6.1 Gauges for cylinder neck thread 5
  - 6.1.1 Single-part plug gauges 5
  - 6.1.2 Two-part plug gauges, small end diameter 6
  - 6.1.3 Two-part plug gauges, large end diameter 7
- 6.2 Gauges for valve stem thread 8
  - 6.2.1 Single-part ring gauges 8
  - 6.2.2 Two-part ring gauges, small end diameter 8
  - 6.2.3 Two-part ring gauges, large end diameter 9

7 Check gauges **10**

8 Use of inspection gauges **10**
- 8.1 Plain gauges 10
- 8.2 Threaded plug gauges 10
- 8.3 Accept or reject criteria using plug gauges 10
- 8.4 Accept or reject criteria using ring gauges 11

9 Verification of inspection gauges **12**
- 9.1 General 12
- 9.2 Plug gauges 13
- 9.3 Ring gauges 13
- 9.4 Use of check plug gauges 13

10 Identification **13**
- 10.1 Inspection gauges 13
- 10.2 Check gauges 13

Annex A (informative) **Examples of calculation for thread gauge dimensions on the large end diameter** **15**

Annex B (informative) **Limitation of gauging system** **17**

Bibliography **19**

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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.

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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.

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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.

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