

**Gas cylinders - 17E and 25E taper threads for
connection of valves to gas cylinders - Part 2:
Inspection gauges**

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NATIONAL FOREWORD

Käesolev Eesti standard EVS-EN ISO 11363-2:2010 sisaldab Euroopa standardi EN ISO 11363-2:2010 ingliskeelset teksti.

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English Version

**Gas cylinders - 17E and 25E taper threads for connection of
valves to gas cylinders - Part 2: Inspection gauges (ISO 11363-
2:2010)**

Bouteilles à gaz - Filetages coniques 17E et 25E pour le
raccordement des robinets sur les bouteilles à gaz - Partie
2: Calibres de contrôle (ISO 11363-2:2010)

Gasflaschen - 17E und 25E kegeliges Gewinde zur
Verbindung von Ventilen mit Gasflaschen - Teil 2:
Lehreninspektion (ISO 11363-2:2010)

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Foreword

This document (EN ISO 11363-2:2010) 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of an identical text or by endorsement, at the latest by November 2010, and conflicting national standards shall be withdrawn at the latest by November 2010.

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Endorsement notice

The text of ISO 11363-2:2010 has been approved by CEN as a EN ISO 11363-2:2010 without any modification.

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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.

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 having 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 part of ISO 11363 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 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 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.

3.1

check gauge

gauge for checking dimensional conformity of inspection gauges

NOTE 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 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 These gauges are either plugs or rings, plain or threaded.