

STN	Fľaše na plyn Paralelné závitové pripojenia plynových ventilov na fľaše Časť 1: Technické požiadavky (ISO 15245-1: 2021)	STN EN ISO 15245-1 07 8644
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Gas cylinders - Parallel threads for connection of valves to gas cylinders - Part 1: Specification (ISO 15245-1:2021)

Táto norma obsahuje anglickú verziu európskej normy.
This standard includes the English version of the European Standard.

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 08/21

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English Version

Gas cylinders - Parallel threads for connection of valves to gas cylinders - Part 1: Specification (ISO 15245-1:2021)

Bouteilles à gaz - Filetages parallèles pour le raccordement des robinets sur les bouteilles à gaz - Partie 1: Spécification (ISO 15245-1:2021)

Ortsbewegliche Gasflaschen - Zylindrische Gewinde für den Anschluss von Ventilen an Gasflaschen - Teil 1: Spezifikation (ISO 15245-1:2021)

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European foreword

This document (EN ISO 15245-1:2021) 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of an identical text or by endorsement, at the latest by December 2021, and conflicting national standards shall be withdrawn at the latest by December 2021.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN shall not be held responsible for identifying any or all such patent rights.

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Endorsement notice

The text of ISO 15245-1:2021 has been approved by CEN as EN ISO 15245-1:2021 without any modification.

**INTERNATIONAL
STANDARD**

**ISO
15245-1**

Second edition
2021-05

**Gas cylinders — Parallel threads
for connection of valves to gas
cylinders —**

**Part 1:
Specification**

*Bouteilles à gaz — Filetages parallèles pour le raccordement des
robinets sur les bouteilles à gaz —*

Partie 1: Spécification



Reference number
ISO 15245-1:2021(E)

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ISO 15245-1:2021(E)

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 of 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 www.iso.org/iso/foreword.html.

This document was prepared by Technical Committee ISO/TC 58, *Gas cylinders*, Subcommittee SC 2, *Cylinder fittings*, in collaboration with the European Committee for Standardization (CEN) Technical Committee CEN/TC 23, *Transportable gas cylinders*, in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement).

This second edition cancels and replaces the first edition (ISO 15245-1:2001), which has been technically revised. It also incorporates the Amendment ISO 15245-1:2001/Amd.1:2013.

The main changes compared to the previous edition are as follows:

- modification of [Figure 2](#);
- addition of subclause [4.5](#);
- minor editorial changes throughout the document to fully align with ISO/IEC Directives Part 2.

A list of all parts in the ISO 15245 series can be found on the ISO website.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.

Introduction

Cylinders intended to contain compressed, liquefied or dissolved gas under pressure are fitted with accessories (valves, straight or angle fittings) to allow release of and refilling with gas. In this document, the term “valve” applies to such accessories.

The connection between cylinder and valve is obtained by the assembly of two parallel threads with the same nominal pitch and thread profile – an external one on the valve stem and an internal one in the cylinder neck – and an O-ring seal.

Gas cylinders — Parallel threads for connection of valves to gas cylinders —

Part 1: Specification

1 Scope

This document specifies definitions, dimensions and tolerances of parallel screw threads of M30 x 2, M25 x 2 and M18 x 1,5, for the connection of valves to medical and industrial gas cylinders.

This document does not contain the connection requirements for:

- mechanical strength;
- gas tightness;
- capability of repeated assembly and dismantling operations (this aspect is covered in ISO 13341).

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 724, *ISO general-purpose metric screw threads — Basic dimensions*

ISO 5408, *Screw threads — Vocabulary*

ISO 10286, *Gas cylinders — Terminology*

koniec náhľadu – text ďalej pokračuje v platenej verzii STN