

# SVENSK STANDARD

## SS-ISO 21172-1:2015/Amd 1:2019



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**Gasflaskor – Svetsade behållare av stål med kapacitet till och med 3000 l – Konstruktion och tillverkning –  
Del 1: Tryckfat med volym till och med 1000 l (ISO 21172-1:2015/  
Amd 1:2018, IDT)**

**Gas cylinders – Welded steel pressure drums up to 3 000 litres capacity for the transport of gases – Design and construction –  
Part 1: Capacities up to 1 000 litres (ISO 21172-1:2015/  
Amd 1:2018, IDT)**



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Den internationella standarden ISO 21172-1:2015/Amd 1:2018 gäller som svensk standard. Detta dokument innehåller den officiella engelska versionen av ISO 21172-1:2015/Amd 1:2018.

The International Standard ISO 21172-1:2015/Amd 1:2018 has the status of a Swedish Standard. This document contains the official English version of ISO 21172-1:2015/Amd 1:2018.

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*Information about the content of the standard is available from the Swedish Standards Institute (SIS), telephone +46 8 555 520 00. Standards may be ordered from SIS, who can also provide general information about Swedish and foreign standards.*

Denna standard är framtagen av kommittén för Gasflaskor, SIS/TK 296.

Har du synpunkter på innehållet i den här standarden, vill du delta i ett kommande revideringsarbete eller vara med och ta fram andra standarder inom området? Gå in på [www.sis.se](http://www.sis.se) - där hittar du mer information.

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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](http://www.iso.org/directives)).

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received (see [www.iso.org/patents](http://www.iso.org/patents)).

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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](http://www.iso.org/iso/foreword.html).

This document was prepared by Technical Committee ISO/TC 58, *Gas cylinders*, Subcommittee SC 3, *Design and construction*.

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](http://www.iso.org/members.html).

A list of all parts in the ISO 21172 series can be found on the ISO website.

# Gas cylinders — Welded steel pressure drums up to 3 000 litres capacity for the transport of gases — Design and construction —

## Part 1: Capacities up to 1 000 litres AMENDMENT 1

### *Normative references*

Replace the reference to ISO 148 with the following:

ISO 148-1, *Metallic materials — Charpy pendulum impact test — Part 1: Test method*

Replace the reference to ISO 1106-1 with the following:

ISO 17636-1, *Non-destructive testing of welds — Radiographic testing — Part 1: X- and gamma-ray techniques with film*

Replace the references to ISO 10920 and ISO 11116-1 with the following:

ISO 11363-1, *Gas cylinders — 17E and 25E taper threads for connection of valves to gas cylinders — Part 1: Specifications*

Replace the title of ISO 15614-1 with the following:

ISO 15614-1, *Specification and qualification of welding procedures for metallic materials — Welding procedure test — Part 1: Arc and gas welding of steels and arc welding of nickel and nickel alloys*

Replace the reference to EN 462-3 with the following:

ISO 19232-3, *Non-destructive testing — Image quality of radiographs — Part 3: Image quality classes*

Replace the reference to ASTM A285/ASTM A285M-03 with the following:

ASTM A285/ASTM A285M-12, *Standard specification for pressure vessel plates, carbon steel, low and intermediate tensile strength*

### *5.1.1, 15.4.3.1 and D.2*

Replace the reference to ASTM A285/ASTM A285M-03 with ASTM A285/ASTM A285M-12.

### *6.3.3.4*

Delete the third paragraph.