



# SLOVENSKI STANDARD SIST EN ISO 90-2:2000

01-april-2000

BUXca Yý U  
SIST EN 20090-2:1997

D`c Yj ]b\_Y!`8 YZ]b]V]Y`]b`i [ cHj `Ub`Y`a Yf`]b`dfcglcfb]b`!`&`XY.`Gd`c`ýbc`i` dcfUVbY  
d`c Yj ]b\_Yf]GC`-\$!&%`-`+Ł

Light gauge metal containers - Definitions and determination of dimensions and capacities - Part 2: General use containers (ISO 90-2:1997)

Verpackungen aus Feinstblech - Begriffe und Verfahren zur Bestimmung von Abmessungen und Volumen - Teil 2: Wiederverschließbare Metallverpackungen (ISO 90-2:1997)

SIST EN ISO 90-2:2000

Réipients métalliques légers - Définitions et détermination des dimensions et des capacités - Partie 2: Réipients a usage général (ISO 90-2:1997)

**Ta slovenski standard je istoveten z: EN ISO 90-2:1999**

**ICS:**

55.120 Ú|[ ^çã \^ĚV~ à^ Cans. Tins. Tubes

**SIST EN ISO 90-2:2000 en**

**iTeh STANDARD PREVIEW**  
**(standards.iteh.ai)**

SIST EN ISO 90-2:2000

<https://standards.iteh.ai/catalog/standards/sist/1b4a7b19-0e76-4622-a968-43fdff61b550/sist-en-iso-90-2-2000>

EUROPEAN STANDARD  
NORME EUROPÉENNE  
EUROPÄISCHE NORM

EN ISO 90-2

June 1999

ICS 55.120

Supersedes EN 20090-2:1992

English version

Light gauge metal containers - Definitions and determination of  
dimensions and capacities - Part 2: General use containers (ISO  
90-2:1997)

Réipients métalliques légers - Définitions et détermination  
des dimensions et des capacités - Partie 2: Réipients à  
usage général (ISO 90-2:1997)

Verpackungen aus Feinstblech - Begriffe und Verfahren zur  
Bestimmung von Abmessungen und Volumen - Teil 2:  
Wiederverschließbare Metallverpackungen (ISO 90-2:1997)

This European Standard was approved by CEN on 5 May 1999.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Central Secretariat or to any CEN member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the Central Secretariat has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.

<https://standards.iteh.ai/catalog/standards/sist/1b4a7b19-0e76-4622-a968-43fdff61b550/sist-en-iso-90-2-2000>



EUROPEAN COMMITTEE FOR STANDARDIZATION  
COMITÉ EUROPÉEN DE NORMALISATION  
EUROPÄISCHES KOMITEE FÜR NORMUNG

Central Secretariat: rue de Stassart, 36 B-1050 Brussels

Page 2  
EN ISO 90-2:1999

### Foreword

The text of the International Standard from Technical Committee ISO/TC 52 "Light gauge metal containers" of the International Organization for Standardization (ISO) has been taken over as an European Standard by Technical Committee CEN/TC 261 "Packaging", the secretariat of which is held by AFNOR.

This European Standard replaces EN 20090-2:1992.

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 1999, and conflicting national standards shall be withdrawn at the latest by December 1999.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and the United Kingdom.

### Endorsement notice

The text of the International Standard ISO 90-2:1997 as been approved by CEN as a European Standard without any modification.

**iTeh STANDARD PREVIEW**  
**(standards.iteh.ai)**

SIST EN ISO 90-2:2000

<https://standards.iteh.ai/catalog/standards/sist/1b4a7b19-0e76-4622-a968-43fdff61b550/sist-en-iso-90-2-2000>



# INTERNATIONAL STANDARD

# ISO 90-2

Second edition  
1997-07-01

---

---

## Light gauge metal containers — Definitions and determination of dimensions and capacities —

### Part 2:

General use containers

(standards.iteh.ai)

*Réipients métalliques légers — Définitions et détermination des dimensions et  
des capacités —  
Partie 2: Réipients à usage général*



Reference number  
ISO 90-2:1997(E)

## ISO 90-2:1997(E)

Contents	Page
1 Scope .....	1
2 Definitions .....	1
3 Determination of dimensions .....	8
4 Determination of capacities .....	13
5 Tolerances on capacities .....	15
6 Designation .....	16

## Annexes

A Measurement of height of general use containers .....	17
B Bibliography .....	19

iTech STANDARD PREVIEW  
(standards.iteh.ai)  
SIST EN ISO 90-2:2000  
<https://standards.iteh.ai/catalog/standards/sist/1b4a7b19-0e76-4622-a968-43fdff61b550/sist-en-iso-90-2-2000>

© ISO 1997

All rights reserved. Unless otherwise specified, no part of this publication may be reproduced or utilized in any form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from the publisher.

International Organization for Standardization  
Case postale 56 • CH-1211 Genève 20 • Switzerland  
Internet central@iso.ch  
X.400 c=ch; a=400net; p=iso; o=isocs; s=central

Printed in Switzerland

## 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.

Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

iTeh STANDARD PREVIEW

International Standard ISO 90-2 was prepared by Technical Committee ISO/TC 52, *Light gauge metal containers*, Subcommittee SC 5, *General use containers*.

SIST EN ISO 90-2:2000

<https://standards.iteh.ai/catalog/standards/sist/1b47e10-0-76-1633-9958-11f8-1553e6c7c0-2000> This second edition cancels and replaces the first edition (ISO 90-2:1986), which has been technically revised.

ISO 90 consists of the following parts, under the general title *Light gauge metal containers — Definitions and determination of dimensions and capacities*:

- *Part 1: Open-top cans*
- *Part 2: General use containers*
- *Part 3: Aerosol cans*

Annexes A and B of this part of ISO 90 are for information only.

## Introduction

ISO 90 consists of three parts which group definitions, methods for determination of dimensions and capacities, as well as tolerances and designations of rigid containers made of metal with a maximum nominal material thickness of 0,49 mm.

This part of ISO 90 covers general use containers as defined in 2.1 and is applicable to both round and non-round containers.

## iTeh STANDARD PREVIEW (standards.iteh.ai)

SIST EN ISO 90-2:2000

<https://standards.iteh.ai/catalog/standards/sist/1b4a7b19-0e76-4622-a968-43fdff61b550/sist-en-iso-90-2-2000>



# Light gauge metal containers — Definitions and determination of dimensions and capacities —

## Part 1: General use containers

### 1 Scope

This part of ISO 90 defines general use containers, types of container, cross-sections, constructions, shapes, special features and capacities. It specifies methods for determining cross-sections, and gross-lidded and brimful capacities. It also recommends an international designation.

### 2 Definitions

iTeh STANDARD PREVIEW  
(standards.iteh.ai)

For the purposes of this part of ISO 90, the following definitions apply:

#### 2.1 General use containers

SIST EN ISO 90-2:2000

<https://standards.iteh.ai/catalog/standards/sist/1b4a7b19-0e76-4622-a968-91a01655094e/en-iso-90-2-2000>

**2.1.1 general use container:** Rigid container made of metal with a maximum nominal material thickness of 0,49 mm, which is sealed after filling with a closure that need not be seamed and which may be made of a different material. In general the container can be reclosed after initial opening.

NOTE — Figures 1 to 8 apply to both round and non-round cross-sections. In addition to those shown in figure 2 a) and 2 b), general use containers may be fitted with one or two handles.

**2.1.2 full-friction can:** Can with a removable plug which fits into the open end of the can body (see figure 1).

**2.1.2.1 pail:** Full-friction can fitted with one or more handles (see figure 2).

**2.1.2.2 full-friction can with clamping ring:** Full-friction can whose lid is held in position by a closing band.

**2.1.3 lever-lid can with ring:** Can, with a seamed ring on top and a lid that fits into the ring, which is filled through the closure aperture and is not equipped with a diaphragm (see figure 4).

**2.1.4 slip-lid can:** Can with a removable lid which fits over and around the open end of the can body (see figure 5).

**2.1.4.1 crimped-cover can [pail]:** Can [pail] with a removable cover which is crimped over an external curl around the open end of the can body (see figure 6).

**2.1.5 flat-top can:** Can with a seamed flat top with an aperture which can be provided with a variety of closures (see figure 7).

**2.1.6 cone-top can:** Can with a seamed cone-shaped top with an aperture which can be provided with a variety of closures (see figure 8).

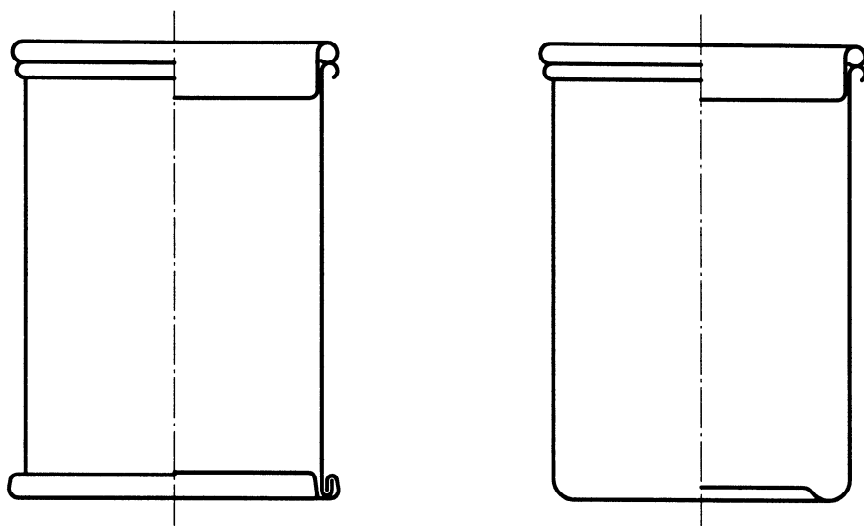
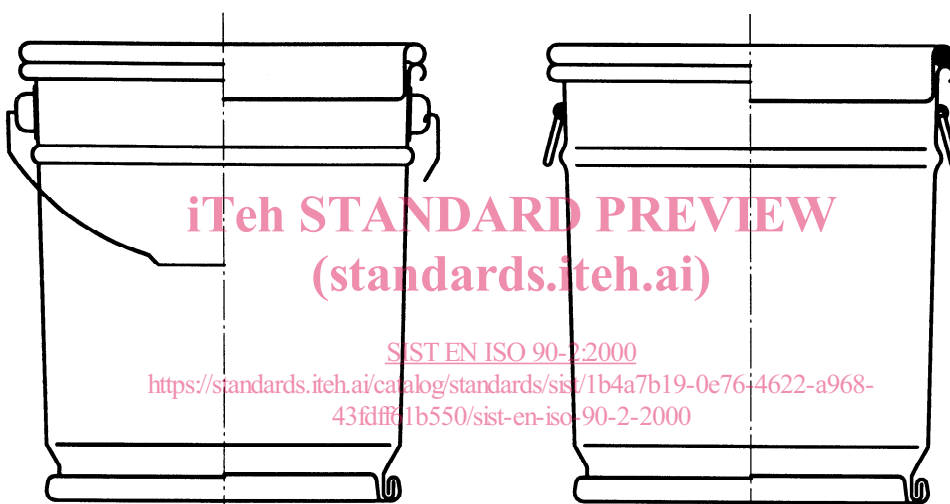


Figure 1 — Full-friction can



a) Single-handle

b) Double-handle

Figure 2 — Pail

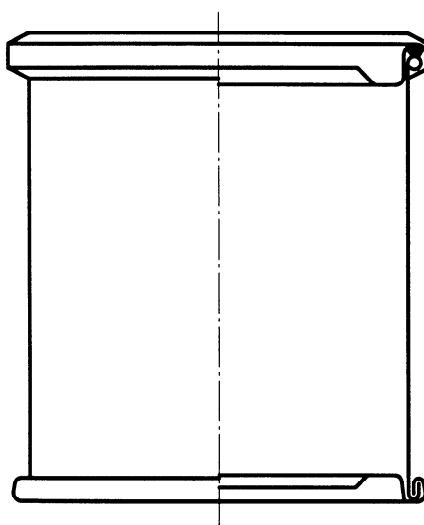


Figure 3 — Full-friction can with clamping ring

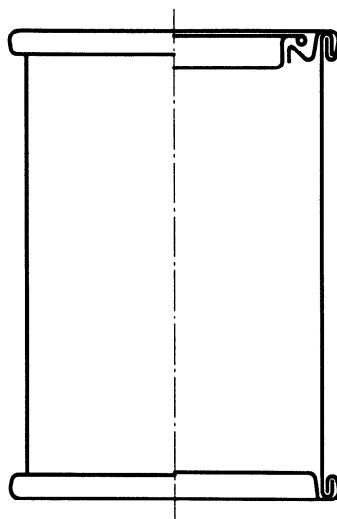


Figure 4 — Lever-lid can with ring

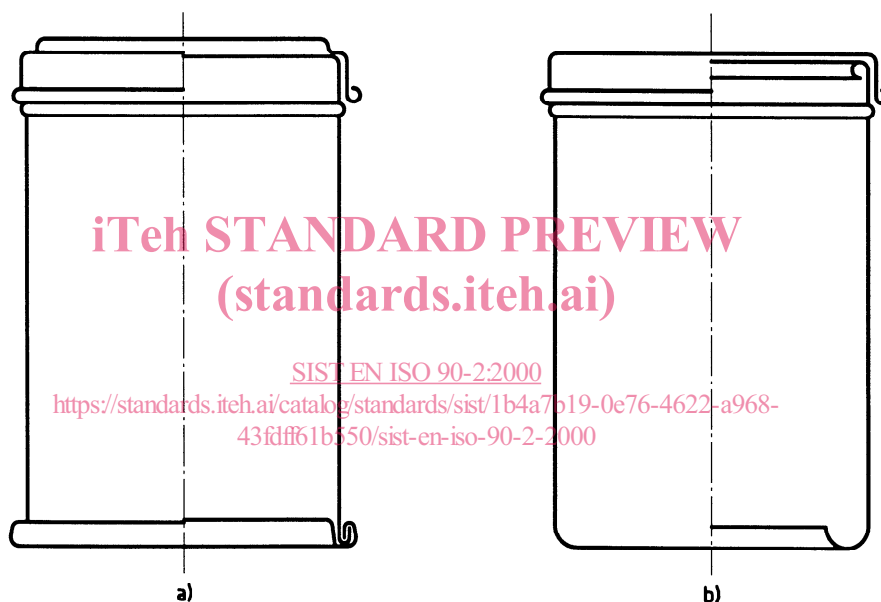


Figure 5 — Slip-lid can

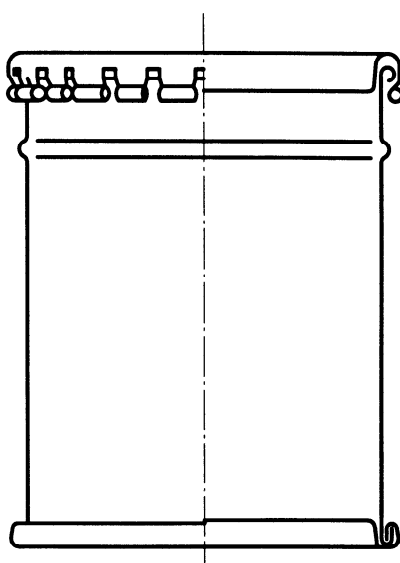


Figure 6 — Crimped-cover can [pail]