

INTERNATIONAL
STANDARD

ISO
10654

First edition
1993-04-15

**Light-gauge metal containers — Round
open-top cans — Cans for liquid products
with added gas, defined by their nominal
filling volumes**

*Emballages métalliques légers — Boîtes rondes serties — Boîtes pour
produits liquides avec addition de gaz, définies par leur volume nominal
de remplissage*



Reference number
ISO 10654:1993(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.

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.

International Standard ISO 10654 was prepared by Technical Committee ISO/TC 52, *Light gauge metal containers*, Sub-Committee SC 4, *Open top containers*.

Together with ISO 10653, ISO/TR 11761, ISO/TR 11762 and ISO/TR 11776, this first edition of ISO 10654 cancels and replaces ISO 3004-1:1986, ISO 3004-2:1989, ISO 3004-3:1986, ISO 3004-4:1986, ISO 3004-5:1988 and ISO 3004-6:1986, which have been revised and condensed.

Annex A of this International Standard is for information only.

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Introduction

This International Standard replaces ISO 3004-3 for round open-top cans for carbonated drinks. Round open-top cans defined by their nominal gross lidded capacity, formerly listed in ISO 3004 Parts 1 to 6, are now dealt with in ISO 10653.

The nominal filling volumes given in this International Standard have been chosen to meet criteria retained in order to reduce the number of standardized volumes in relation to the former International Standard (ISO 3004-3).

These criteria are the following:

- a) the can size is produced in a quantity of at least 100 million cans per annum;
- b) the can size was previously listed in table 1 of ISO 3004-3:1986;
- c) the inclusion of the can size has been supported by at least three member bodies of TC 52.

NOTE 1 The can sizes appearing in this International Standard are classified by their construction type in ISO/TR 11762.

Can sizes which were previously included in ISO 3004-3 but not given in this International Standard are listed for information in ISO/TR 11762:1992, annex A.

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Light-gauge metal containers — Round open-top cans — Cans for liquid products with added gas, defined by their nominal filling volumes

1 Scope

This International Standard specifies the nominal filling volumes and related diameters of round open-top cans for a liquid products with added gas.

2 Normative reference

The following standard contains provisions which, through reference in this text, constitute provisions of this International Standard. At the time of publication, the edition indicated was valid. All standards are subject to revision, and parties to agreements based on this International Standard are encouraged to investigate the possibility of applying the most re-

cent edition of the standard indicated below. Members of IEC and ISO maintain registers of currently valid International Standards.

ISO 90-1:1986, *Light gauge metal containers — Definitions and determination methods for dimensions and capacities — Part 1: Open-top cans.*

3 Dimensions

Nominal filling volumes and related nominal diameters shall be as listed in table 1.

Diameters shall be determined in accordance with ISO 90-1.

Table 1 — Round open-top cans defined by their nominal filling volumes

Nominal filling volume ¹⁾ ml	Nominal diameters of bodies mm
250	53 and 66
330	66
500	66

1) Nominal filling volume is defined in ISO 90-1 as the volume of product that the can is required to hold.

Annex A
(informative)

Bibliography

- [1] ISO 10653:1993, *Light-gauge metal containers — Round open-top cans — Cans defined by their nominal gross lidded capacities.*
- [2] ISO/TR 11762:1992, *Light-gauge metal containers — Round open-top cans for liquid products with added gas — Classification of can sizes by construction type.*

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