

INTERNATIONAL  
STANDARD

**ISO**  
**10653**

First edition  
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**Light-gauge metal containers — Round  
open-top cans — Cans defined by their  
nominal gross lidded capacities**

*Emballages métalliques légers — Boîtes rondes serties — Boîtes définies  
par leur capacité totale nominale*



Reference number  
ISO 10653:1993(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 10653 was prepared by Technical Committee ISO/TC 52, *Light gauge metal containers*, Sub-Committee SC 4, *Open top containers*.

Together with ISO 10654, ISO/TR 11761, ISO/TR 11762 and ISO/TR 11776, this first edition of ISO 10653 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 Parts 1 to 6 of ISO 3004 for round open-top cans. Round open-top cans for liquid products with added gas defined by their nominal filling volume, previously listed in ISO 3004-3, are dealt with in ISO 10654.

The nominal gross lidded capacities given in this International Standard have been chosen to meet criteria retained in order to reduce the number of standardized capacities in relation to the former International Standard (ISO 3004).

These criteria are the following:

- a) the can size is produced in a quantity of at least 100 million cans per annum or, in the case of capacities  $\geq 1\,062$  ml, 25 million cans per annum;
- b) the can diameter is listed in ISO 1361 and the can size was previously listed in ISO 3004;
- 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 11761.

Round can sizes which were previously included in Parts 1 to 6 of ISO 3004 but not given in this International Standard are listed for information in ISO/TR 11761:1992, annex A.

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# Light-gauge metal containers — Round open-top cans — Cans defined by their nominal gross lidded capacities

## 1 Scope

This International Standard specifies the nominal gross lidded capacities applicable to round open-top cans having nominal diameters listed in ISO 1361, excluding cans for liquid products with added gas<sup>1)</sup>.

## 2 Normative references

The following standards contain provisions which, through reference in this text, constitute provisions of this International Standard. At the time of publication, the editions indicated were 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 editions of the standards 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.*

ISO 1361:1983, *Light gauge metal containers — Open-top cans — Round cans — Internal diameters.*

## 3 Dimensions

Nominal gross lidded capacities and related nominal diameters shall be as listed in table 1.

Gross lidded capacities and tolerances shall be determined in accordance with ISO 90-1.

1) These cans are designated by their nominal filling volume rather than by their nominal gross lidded capacity.

**Table 1 — Round open-top cans defined by their nominal gross lidded capacities and their nominal diameters**

Nominal gross lidded capacity ml	Nominal diameters ( $D$ , $D_1$ , $D_s$ ) mm
71	52, 63
85	63, 65, 73
106	65
125	73
142	52, 73
156	65
170	52, 63, 83
198	73
212	63, 65, 73, 83
228	73
236	65
314	65, 73, 99
403	73
425	73, 83, 99
446	73
580	83
636	99
850	
1 062	83, 99
1 275	99
1 700	99, 153
1 800	99
2 650	153
3 100	
4 250	
10 200	230