

TECHNICAL REPORT

ISO TR 10193

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Round general use light gauge metal containers — Nominal filling volumes and nominal diameters

*Réipients métalliques légers ronds à usage général — Volumes nominaux de
remplissage et diamètres nominaux*



Reference number
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Foreword

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The main task of ISO technical committees is to prepare International Standards. In exceptional circumstances a technical committee may propose the publication of a technical report of one of the following types:

- type 1, when the necessary support within the technical committee cannot be obtained for the publication of an International Standard, despite repeated efforts;
- type 2, when the subject is still under technical development requiring wider exposure;
- type 3, when a technical committee has collected data of a different kind from that which is normally published as an International Standard ("state of the art", for example).

Technical reports are accepted for publication directly by ISO Council. Technical reports of types 1 and 2 are subject to review within three years of publication, to decide whether they can be transformed into International Standards. Technical reports of type 3 do not necessarily have to be reviewed until the data they provide are considered to be no longer valid or useful.

ISO/TR 10193, which is a technical report of type 3, was prepared by Technical Committee ISO/TC 52, *Light gauge metal containers*.

Data of a similar nature to those presented in this Technical Report, but for non-round containers, are given in ISO/TR 10194: 1989, *Non-round general use light gauge metal containers — Nominal filling volumes and nominal cross-sections*.

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Introduction

This Technical Report presents the results of a survey on the sizes of different types of round general use light gauge metal containers in current use. The way in which these data can be reduced sufficiently to establish an International Standard is under consideration.

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Round general use light gauge metal containers — Nominal filling volumes and nominal diameters

1 Scope

This Technical Report gives a current list of nominal filling volumes and related nominal diameters for round general use light gauge metal containers.

2 Reference

ISO 90-2:1986, *Light gauge metal containers — Definitions and determination methods for dimensions and capacities — Part 2: General use containers.*

3 Designation of containers (types and construction)

The definitions, designations and special features of these types of containers (necked-in and/or step-sided) are given in ISO 90-2.

This Technical Report concerns the following containers:

- full friction can, cylindrical;
- full friction can, tapered;
- friction closure can, cylindrical;
- friction closure can, tapered;
- slip cover can, cylindrical;
- slip cover can, tapered;
- flat top can, cylindrical;

- flat top can, tapered;
- cone top can, cylindrical.

4 Characteristics

4.1 Nominal diameters: tolerances

Tolerances on the diameters at the top end and at the bottom end are the following:

diameter $\leq$ 155 mm: $\pm$ 2 mm

diameter $>$ 155 mm: $\pm$ 3 mm

4.2 Head spaces and nominal filling volumes: special case of the transport of dangerous goods

With regard to head spaces required for the transport of dangerous goods, reference has to be made to valid regulations.

5 Current list of nominal filling volumes and nominal diameters

For each type of container mentioned in clause 3, the following are given:

- a figure showing the type of container;
- a table giving values of nominal filling volumes and of nominal diameters.