
International Standard 3004/4

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Light gauge metal containers — Capacities and related cross-sections — Part 4: Open-top cans for edible oil

Réipients métalliques légers — Capacités et sections transversales associées — Partie 4: Boîtes serties pour huiles alimentaires

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Descriptors : containers, metal packaging, edible oils, cans, dimensions, cross sections, capacity.

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.

Draft International Standards adopted by the technical committees are circulated to the member bodies for approval before their acceptance as International Standards by the ISO Council. They are approved in accordance with ISO procedures requiring at least 75 % approval by the member bodies voting.

International Standard ISO 3004/4 was prepared by Technical Committee ISO/TC 52,
Light gauge metal containers.

This second edition cancels and replaces the first edition (ISO 3004/4-1980) of which it constitutes a technical revision. <https://standards.iteh.ai/catalog/standards/sist/cc60ffc9-19c7-41ef-a177-44ba908bf3c/iso-3004-4-1986>

Users should note that all International Standards undergo revision from time to time and that any reference made herein to any other International Standard implies its latest edition, unless otherwise stated.

Light gauge metal containers — Capacities and related cross-sections — Part 4: Open-top cans for edible oil

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0 Introduction

Light gauge metal open-top containers for food and drinks, 1986 covered by ISO 3004, are grouped as follows:

- Part 1: Open-top cans for general food.
- Part 2: Open-top cans for meat and products containing meat for human consumption.
- Part 3: Open-top cans for drinks.
- Part 4: Open-top cans for edible oil.
- Part 5: Open-top cans for fish and other fishery products.¹⁾
- Part 6: Open-top cans for milk.

Vent-hole cans for milk are covered in ISO/TR 8610, *Light gauge metal containers — Round vent-hole cans with soldered ends for milk and milk products — Capacities and related diameters.*

1 Scope and field of application

This part of ISO 3004 lays down a recommended range of capacities for round and rectangular cans for edible oil. For round cans, the diameters related to the capacities are also given, in accordance with the ISO 1361.

All can measurements in this part of ISO 3004 are given in accordance with the requirements laid down in ISO 90/1.

2 References

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

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

1) At present at the stage of draft. (Revision of ISO/TR 7423-1982 and ISO/TR 7670-1982.)

3 Gross lidded capacities and related cross-sections

Table 1 – Gross lidded capacities

Nominal gross lidded capacity ml	Type of can		Tolerance limits on capacity ¹⁾ ml		Corresponding filling volume ml
	Round cans	Rectangular cans	Round cans	Rectangular cans	
275	X		267 – 283		
283		X		275 – 291	250
425		X		414 – 436	375
560		X		547 – 573	500
580	X		567 – 593		500
825	X		808 – 842		
840		X		823 – 857	750
1 100	X	X	1 080 – 1 120	1 078 – 1 122	1 000
2 160	X		2 130 – 2 190		2 000
2 700		X		2 646 – 2 754	2 500
4 320		X		4 234 – 4 406	4 000
5 400	X		5 346 – 5 454		5 000
5 450		X		5 341 – 5 559	5 000
10 500		X		10 290 – 10 710	10 000

1) In conformity with ISO 90/1, these tolerances define the limits of acceptable deviation resulting from variations in can design and manufacture.

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Table 2 – Gross lidded capacities and related diameters of round cans

Nominal gross lidded capacity ml	Nominal diameter ¹⁾ mm
275	52
	65
580	73
	83
825	83
1 100	83
	99
2 160	105
	127
5 400	171 ²⁾

1) For related internal body diameters, see ISO 1361.

2) This diameter is not included in ISO 1361; the related internal body diameter is 171,1 mm.