
International Standard



3004/4

INTERNATIONAL ORGANIZATION FOR STANDARDIZATION • МЕЖДУНАРОДНАЯ ОРГАНИЗАЦИЯ ПО СТАНДАРТИЗАЦИИ • ORGANISATION INTERNATIONALE DE NORMALISATION

Hermetically sealed metal containers for food and drinks — Part 4 : Cans for edible oil

Réipients métalliques étanches pour denrées alimentaires et boissons — Partie 4 : Boîtes pour huiles alimentaires

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Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards institutes (ISO member bodies). The work of developing International Standards is carried out through ISO technical committees. Every member body interested in a subject for which a technical committee has been set up 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.

International Standard ISO 3004/4 was developed by Technical Committee ISO/TC 52, *Metal containers*, and was circulated to the member bodies in February 1979.

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It has been approved by the member bodies of the following countries :

Australia	Italy	Spain
Bulgaria	Korea, Dem. P. Rep. of	Sweden
Canada	Libyan Arab Jamahiriya	Turkey
Czechoslovakia	New Zealand	United Kingdom
Germany, F. R.	Portugal	USA
India	Romania	
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The member bodies of the following countries expressed disapproval of the document on technical grounds :

Belgium
France
Netherlands

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0 Introduction

Grouping of hermetically sealed metal containers for food and drinks

- Part 1 : Round open top general purpose food cans.
- Part 2 : Food cans for meat and products containing meat for human consumption.
- Part 3 : Cans for drinks.
- Part 4 : Cans for edible oil.
- Part 5 : Food cans for fish and other fishery products.

NOTE — Cans grouped under parts 1, 2, 3 and 5 are set forth in the relevant documents.

1 Scope and field of application

This International Standard specifies 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 ISO 1361).

All can measurements in this International Standard are given in accordance with the provisions of ISO 90.

2 References

ISO 90, *Hermetically sealed metal cans for food and drinks — Specifications.*

ISO 1361, *Hermetically sealed metal cans for food and drinks — Internal diameters of round cans.*

3 Capacities and diameters

(See tables 1 and 2).

Table 1 – Capacities of cans for edible oil

Nominal capacity ml	Use		Upper and lower limits for capacity (resulting from the maximum permissible error as described in ISO 90) ml		Corresponding filling volume ml
	Round cans	Rectangular cans	Round cans	Rectangular cans	
283	X	X	275 – 291	275 – 291	250
425		X		414 – 436	375
560		X		547 – 573	500
580	X		567 – 593		500
840	X	X	823 – 857	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	X	2 670 – 2 730	2 646 – 2 754	2 500
4 320	X	X	4 277 – 4 363	4 234 – 4 406	4 000
5 400	X		5 346 – 5 454		5 000
5 450		X	ISO 3004-4:1980	5 341 – 5 559	5 000
10 500		X	https://standards.iteh.ai/catalog/standards/sist/2c5b899b-ee1d-4359-a145-ee4b5e672ab3/iso-3004-4-1980	10 290 – 10 710	10 000

Table 2 – Diameters associated with the capacities of round cans for edible oil

Nominal capacity ml	Nominal diameter ¹⁾ mm
283	52 and 65
580	73 and 83
840	83
1 100	83 and 99
2 160	105 and 127
2 700	105 and 153
4 320	153
5 400	171 ²⁾ and 189

1) For related internal body diameters refer to ISO 1361, table 1.

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