

INTERNATIONAL STANDARD

ISO 3004-2

Second edition
1989-07-01

Light gauge metal containers — Capacities and related cross-sections —

Part 2:

Open-top cans for meat and products containing
meat for human consumption

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Réipients métalliques légers — Capacités et sections transversales associées —

*Partie 2: Boîtes serties pour viandes et produits contenant de la viande destinée à
l'alimentation humaine*

<https://standards.iteh.ai/standards/iso-3004-2-1989>
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Reference number
ISO 3004-2 : 1989 (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 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 3004-2 was prepared by Technical Committee ISO/TC 52, *Light gauge metal containers*.

This second edition cancels and replaces the first edition (ISO 3004-2 : 1979), of which it constitutes a technical revision.

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.

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0 Introduction

Light gauge metal open-top containers for food and drinks, 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.

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 non-round food cans for meat and products containing meat for human consumption. For round cans, the diameters related to the capacities are also given, in accordance with ISO 1361.

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

NOTE — The following can types are included in the designation "non-round cans": rectangular cans, oval cans, trapezoidal cans, tapered cans with rectangular sections.

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.*

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	
	Round cans	Non-round cans	Round cans	Non-round cans
57	X		54 – 60	
71	X		67 – 75	
85	X	X	81 – 89	
106	X		102 – 110	
125	X	X	120 – 130	
142	X	X	136 – 148	
170	X	X	164 – 176	
198		X		192 – 204
207		X		201 – 213
212	X		206 – 218	
236	X		229 – 243	
245		X		238 – 252
300		X		292 – 308
314	X		306 – 322	
340	X	X	331 – 349	
390	X		380 – 400	
403	X		393 – 413	
425	X		414 – 436	
446	X		435 – 457	
460		X		448 – 472
475	X		463 – 487	
492	X		480 – 504	
580	X	X	567 – 593	
720	X		706 – 734	
850	X		833 – 867	
935		X		916 – 954
1 062	X	X	1 042 – 1 082	1 041 – 1 083
1 275	X		1 255 – 1 295	
1 310		X		1 284 – 1 336
1 380		X		1 352 – 1 408
1 455	X		1 433 – 1 477	
1 555		X		1 524 – 1 586
1 700	X		1 674 – 1 726	
1 800	X	X	1 773 – 1 827	1 764 – 1 836
2 650	X		2 620 – 2 680	
3 100	X		3 069 – 3 131	
4 250	X		4 207 – 4 293	

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

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

Nominal gross lidded capacity ml	Nominal diameter ¹⁾ mm
57	63
71	52
85	63 73
106	52 63 65 73
125	65 73
142	52 63 65 73
170	73 83
212	63 65 73 83 99
236	65
314	65 73 99
340	73
390	99
403	73
425	73 83 99
446	99
475	99
492	73
580	73 ²⁾ 83
720	99
850	73 99
1 062	99
1 275	99
1 455	105
1 700	99
1 800	99
2 650 3 100 4 250	153

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

2) This can should be used for sausages only.

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