

# INTERNATIONAL STANDARD



# 3004/II

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

## **Hermetically sealed metal containers for food and drinks — Part II : Food cans for meat and products containing meat for human consumption**

*Récipients métalliques étanches pour denrées alimentaires et boissons — Partie II : Boîtes à conserves alimentaires pour viandes et produits contenant de la viande destinés à l'alimentation humaine*

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[ISO 3004-2:1979](https://standards.iteh.ai/catalog/standards/sist/9f491b07-376a-4f00-8230-d8ff7df1f437/iso-3004-2-1979)

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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 3004/1 was developed by Technical Committee ISO/TC 52, *Metal containers*, and was circulated to the member bodies in January 1978.

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

Australia	Germany, F.R.	Romania
Austria	India	South Africa, Rep. of
Belgium	Italy	Sweden
Czechoslovakia	Mexico	Switzerland
Denmark	Netherlands	United Kingdom
Finland	New Zealand	USA
France	Poland	Yugoslavia

No member body expressed disapproval of the document.

# Hermetically sealed metal containers for food and drinks —

## Part II : Food cans for meat and products containing meat for human consumption

### iTeh STANDARD PREVIEW (standards.iteh.ai)

#### 0 INTRODUCTION

Grouping of hermetically sealed metal containers for food and drinks :

- Part I : Round open-top general purpose food cans.
- Part II : Food cans for meat and products containing meat for human consumption.
- Part III : Cans for drinks.
- Part IV : Cans for edible oil.
- Part V : Food cans for fish and other fish products.

NOTE — Cans grouped under parts I, III, IV and V are described in the relevant documents.

#### 1 SCOPE AND FIELD OF APPLICATION

This International Standard specifies 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 International Standard are given in accordance with the provisions of ISO 90.

NOTE — The following can types are included in the designation "non-round cans" : rectangular cans, oval cans, round tapered cans, parallel sided and D cans, tapered sided cans with rectangular sections and pear shaped cans.

#### 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 meat and products containing meat

Nominal capacity ml	Use		Upper and lower limits for capacity (resulting from the maximum permissible error as described in ISO 90) ml	
	Round cans	Non-round cans	Round cans	Non-round cans
57	X		54 – 60	
71	X	X	67 – 75	
85	X	X	81 – 89	
106	X	X	102 – 110	
125	X	X	120 – 130	
142	X	X	136 – 148	
156	X	X	150 – 162	
170	X	X	164 – 176	
198	X	X	192 – 204	
212	X	X	206 – 218	
228	X	X	221 – 235	
236	X	X	229 – 243	
283	X	X	275 – 291	
300		X		293 – 308
314	X		306 – 322	
340	X	X	331 – 349	
390	X		380 – 400	
425	X	X	414 – 436	
446	X	X	435 – 457	
460	X	X	448 – 472	
475	X		463 – 487	
492	X	X	480 – 504	
580	X	X	567 – 593	
684	X	X	670 – 698	
720	X		706 – 734	
850	X	X	833 – 867	
935		X		916 – 954
1 062	X	X	1 042 – 1 082	1 041 – 1 083
1 250		X		1 225 – 1 275
1 310		X		1 284 – 1 336
1 380		X		1 352 – 1 408
1 455	X	X	1 433 – 1 477	1 426 – 1 484
1 700	X	X	1 674 – 1 726	1 666 – 1 734
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	
10 200	X		10 098 – 10 302	

TABLE 2 – Diameters associated with the capacities of round cans for meat and products containing meat

Nominal capacity ml	Nominal diameters <sup>1)</sup> mm
57 71	52 – 65
85	52 – 73
106	52 – 65 – 73
125	65 – 73
142	52 – 65 – 73
156	65
170	65 – 73 – 83
198	65
212	73 <sup>2)</sup> – 83 – 99
228	73 <sup>2)</sup>
236	65
283	65 – 83
314	65 – 73 – 99
340	52 – 73
390	65 – 99
425	73 <sup>2)</sup> – 83 – 99
446	73 <sup>2)</sup>
475	99
492	73
580	73 <sup>3)</sup> – 83
684	105
720	83 – 99
850	73 – 99
1 062	99 – 153
1 455	99 – 105
1 700	99 – 153
1 800	99
2 650 3 100 4 250	153
10 200	230

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

2) Further consideration will be given to the following sizes :

- 212 ml and 228 ml on 73 mm diameter;
- 425 ml and 446 ml on 73 mm diameter.

3) For sausages only.