INTERNATIONAL STANDARD ISO 3004/I

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

Hermetically sealed metal containers for food and drinks — Part I : Round open-top general purpose food cans

Récipients métalliques étanches pour denrées alimentaires et boissons — Partie I : Boîtes à conserves alimentaires, rondes, serties pour usage général

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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/I 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	India	Sweden
Austria	Israel	Switzerland
Belgium	Italy	Turkey
Czechoslovakia	Mexico	United Kingdom
Denmark	Netherlands	U.S.A.
Finland	New Zealand	Yugoslavia
France	Romania	
Germany, F. R.	South Africa, Rep. of	

The member bodies of the following countries expressed disapproval of the document on technical grounds :

Canada
Poland

ISO 3004/I cancels and replaces ISO 3004-1974.

Printed in Switzerland

Hermetically sealed metal containers for food and drinks — Part I : Round open-top general purpose food cans

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 II, 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 with related diameters, in accordance with ISO 1361 for round open-top general purpose food cans, excluding "à décollage" and vent-hole cans. The term "general purpose food cans" excludes not only cans for meat, drinks, oil and fish (which are covered in parts II, III, IV and V of this International Standard) but also cans for milk and fish and other fishery products for which a special International Standard has been developed.

Cans for pet-foods are covered by this International Standard.

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

2 REFERENCES

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

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

3 CAPACITIES AND DIAMETERS

See the table on page 2.

TABLE — **Capacities and diameters of general purpose food cans**

Nominal capacity ml	**Upper and lower limits for capacity** (resulting from the maximum permissible error as described in ISO 90) ml	**Nominal diameter**[1] mm
53	50 – 56	52
71	67 – 75	
106	102 – 110	52
		63
125	120 – 130	73
142	136 – 148	52
156	150 – 162	65
170	164 – 176	52
198	192 – 204	
212	206 – 218	52
		63
		73[4]
228	221 – 235	73[4]
236	229 – 243	65
247[2]	240 – 254	83
283	275 – 291	83
314	306 – 322	65
		99
340	331 – 349	52
		65
390	380 – 400	65
403	393 – 413	73
425	414 – 436	73[4]
		83[3]
		99

Nominal capacity ml	**Upper and lower limits for capacity** (resulting from the maximum permissible error as described in ISO 90) ml	**Nominal diameter**[1] mm
446	435 – 457	65
		73[4]
		83[2]
475	463 – 487	99
492	480 – 504	73
		78
580	567 – 593	73
		83
684	670 – 698	105
720	706 – 734	99
850	833 – 867	99
		127
1 062	1 042 – 1 082	99
		105
		153
1 455	1 433 – 1 477	99
		105
1 700	1 674 – 1 726	99
		127
		153
2 650	2 620 – 2 680	153
3 100	3 069 – 3 131	153
4 250	4 207 – 4 293	
10 200	10 098 – 10 302	230

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

2) This can should be used for pineapple only.

3) This can should not be used for pineapple.

4) Further consideration will be given to the can sizes listed below, where in each case the pairs of sizes are very close together.

212 ml on 73 mm diameter
228 ml on 73 mm diameter

425 ml on 73 mm diameter
446 ml on 73 mm diameter