
**Non-round general use light gauge metal
containers — Nominal filling volumes and
nominal cross-sections**

iTeh STANDARD PREVIEW
(standards.iteh.ai)

Réipients métalliques légers non ronds à usage général — Volumes nominaux de remplissage et sections transversales nominales

[ISO/TR 10194:1989](https://standards.iteh.ai/catalog/standards/sist/2a3023f4-a124-4622-83b5-7b82dc1df91d/iso-tr-10194-1989)

<https://standards.iteh.ai/catalog/standards/sist/2a3023f4-a124-4622-83b5-7b82dc1df91d/iso-tr-10194-1989>



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.

The main task of ISO technical committees is to prepare International Standards. In exceptional circumstances a technical committee may propose the publication of a technical report of one of the following types:

- type 1, when the necessary support within the technical committee cannot be obtained for the publication of an International Standard, despite repeated efforts;
- type 2, when the subject is still under technical development requiring wider exposure;
- type 3, when a technical committee has collected data of a different kind from that which is normally published as an International Standard ("state of the art", for example).

Technical reports are accepted for publication directly by ISO Council. Technical reports of types 1 and 2 are subject to review within three years of publication, to decide whether they can be transformed into International Standards. Technical reports of type 3 do not necessarily have to be reviewed until the data they provide are considered to be no longer valid or useful.

ISO/TR 10194, which is a technical report of type 3, was prepared by Technical Committee ISO/TC 52, *Light gauge metal containers*.

Data of a similar nature to those presented in this Technical Report, but for round containers, are given in ISO/TR 10193:1989, *Round general use light gauge metal containers — Nominal filling volumes and nominal diameters*.

© ISO 1989

All rights reserved. No part of this publication may be reproduced or utilized in any form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from the publisher.

International Organization for Standardization
Case postale 56 • CH-1211 Genève 20 • Switzerland

Printed in Switzerland

Introduction

This Technical Report presents the results of a survey on the sizes of different types of non-round general use light gauge metal containers in current use. The way in which these data can be reduced sufficiently to establish an International Standard is under consideration.

iTeh STANDARD PREVIEW (standards.iteh.ai)

[ISO/TR 10194:1989](https://standards.iteh.ai/catalog/standards/sist/2a3023f4-a124-4622-83b5-7b82dc1df91d/iso-tr-10194-1989)

<https://standards.iteh.ai/catalog/standards/sist/2a3023f4-a124-4622-83b5-7b82dc1df91d/iso-tr-10194-1989>

iTeh STANDARD PREVIEW
(standards.iteh.ai)

This page intentionally left blank

[ISO/TR 10194:1989](#)

<https://standards.iteh.ai/catalog/standards/sist/2a3023f4-a124-4622-83b5-7b82dc1df91d/iso-tr-10194-1989>

Non-round general use light gauge metal containers — Nominal filling volumes and nominal cross-sections

iTeh STANDARD PREVIEW (standards.iteh.ai)

1 Scope

This Technical Report gives a current list of nominal filling volumes and related nominal cross-sections for non-round general use light gauge metal containers.

2 Reference

ISO 90-2: 1986, *Light gauge metal containers — Definitions and determination methods for dimensions and capacities — Part 2: General use containers.*

3 Designation of containers (types and construction)

The definitions, and the designations of special features of these types of containers (necked-in and/or step-sided), are given in ISO 90-2.

This Technical Report concerns the following containers:

- full friction can, cylindrical;
- full friction can, tapered;
- friction closure can, cylindrical;
- friction closure can, tapered;
- flat top can, cylindrical;
- flat top can, tapered.

4 Characteristics

4.1 Nominal cross-sections: tolerances

Tolerances on the cross-sections at the top end and at the bottom end are the following:

dimension \leq 155 mm: \pm 2 mm

dimension $>$ 155 mm: \pm 3 mm

4.2 Head spaces and nominal filling volumes: special case of the transport of dangerous goods

With regard to head spaces required for the transport of dangerous goods, reference has to be made to valid regulations.





5 Current list of nominal filling volumes and nominal cross-sections

For each type of container mentioned in clause 3, the following are given:

- a figure showing the type of container;
- a table giving values of nominal filling volumes and of nominal cross-sections.

NOTE — Cross-sections that are underlined are preferred.

5.1 Full friction can, cylindrical





Nominal filling volume ml	Cross-sections mm × mm					
	 A1 X B1	 A2 X B2				
100	67 X 42					
150	67 X 42					
250	67 X 42					
750	99 X 67					
3 000	178 X 111					
5 000	244 X 135					
8 200	232 X 157					
10 000	232 X 157					

iTeh STANDARD PREVIEW
(standards.iteh.ai)





[ISO/TR 10194:1989](https://standards.iteh.ai/catalog/standards/sist/2a3023f4-a124-4622-83b5-7b82dc1d91d/iso-tr-10194-1989)

5.2 Full friction can, tapered

<https://standards.iteh.ai/catalog/standards/sist/2a3023f4-a124-4622-83b5-7b82dc1d91d/iso-tr-10194-1989>

Nominal filling volume ml	Cross-sections mm × mm					
	 A1 X B1	 A2 X B2				
2 500	251 X 161	240 X 150				
3 000			300 X 145	290 X 135		
4 000	251 X 161	240 X 150				
5 000			300 X 145	290 X 135		
	280 X 170	270 X 160				
10 000					310 X 235	300 X 225
12 000					310 X 235	298 X 222
15 000					350 X 270	335 X 255
16 000					350 X 270	335 X 255
18 000					350 X 270	335 X 255





5.3 Friction closure can, cylindrical

Nominal filling volume ml	Cross-sections mm × mm					
						
	A1 X B1	A2 X B2	A1 X B1	A2 X B2	A1 X B1	A2 X B2
125	67 X 67					
250	67 X 67					
	75 X 75					
375	75 X 75					
500	89 X 89					
	106 X 68					
	112 X 112					
750	89 X 89					
	112 X 67					
1 000	95 X 95					
	100 X 100					
	106 X 68					
	120 X 65					
1 500	112 X 112					
	127 X 127					
1 700	<u>98 X 98</u>					
2 500	<u>98 X 98</u>					
	153 X 153					
	165 X 93					
2 600	<u>98 X 98</u>					
2 800	<u>98 X 98</u>					
3 750	<u>148 X 148</u>					

iTeh STANDARD PREVIEW
(standards.iteh.ai)

ISO/TR 10194:1989





standards.iteh.ai/catalog/standards/sist/2a3023f4-a124-4622-83b5-7b82dc1d91d/iso-tr-10194-1989

Nominal filling volume ml	Cross-sections mm × mm					
						
	A1 X B1	A2 X B2	A1 X B1	A2 X B2	A1 X B1	A2 X B2
4 000	148 X 148					
4 500	148 X 148					
4 600	104 X 167					
5 000	148 X 148					
	153 X 153					
	180 X 110					
	180 X 120					
	185 X 185					
5 500	148 X 148					
	98 X 98					
5 520	104 X 167					
6 000	148 X 148					
6 700	115 X 115					
8 800	104 X 167					
	210 X 140					
10 000	234 X 234					
	234 X 234					
15 000	240 X 240					
	240 X 240					
20 000	234 X 234					
	240 X 240					
45 000	310 X 310					

iTeh STANDARD PREVIEW
(standards.iteh.ai)

ISO/TR 10194:1989
<https://standards.iteh.ai/catalog/standards/sist/2a3023f1-a124-4622-83b5-7b82dc1df9/d/iso-tr-10194-1989>

5.4 Friction closure can, tapered

Nominal filling volume ml	Cross-sections mm × mm							
								
	A1 X B1	A2 X B2	A1 X B1	A2 X B2	A1 X B1	A2 X B2	A1 X B1	A2 X B2
5 000	159 X 120	164 X 125						
20 000	240 X 240	246 X 246						
25 000	240 X 240	246 X 246						

iTeh STANDARD PREVIEW
(standards.iteh.ai)

ISO/TR 10194:1989
<https://standards.iteh.ai/catalog/standards/sist/2a3023f4-a124-4622-83b5-7b82dc1df91d/iso-tr-10194-1989>