



# SLOVENSKI STANDARD

## SIST EN 15007:2017

01-september-2017

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**Embalaža za aerosole - Posode iz bele pločevine - Mere za dvodelno in tridelno pločevinko**

Aerosol containers - Tinplate containers - Dimensions of two and three-piece cans

Aerosolpackungen - Weißblechbehälter - Maße von zwei- und dreiteiligen Behältern

Réipients métalliques pour aérosols - Réipients en fer-blanc - Dimensions des boîtiers deux et trois pièces

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Ta slovenski standard je istoveten z: **EN 15007:2017**

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**ICS:**

55.130

Pločevinke za aerosole

Aerosol containers

**SIST EN 15007:2017**

**en,fr,de**

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EUROPEAN STANDARD

EN 15007

NORME EUROPÉENNE

EUROPÄISCHE NORM

March 2017

ICS 55.130

Supersedes EN 15007:2006

English Version

## Aerosol containers - Tinplate containers - Dimensions of two and three-piece cans

Réipients pour aérosols - Réipients en fer-blanc -  
Dimensions des boîtiers deux et trois pièces

Aerosolpackungen - Weißblechbehälter - Maße von  
zwei- und dreiteiligen Behältern

This European Standard was approved by CEN on 7 February 2017.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN-CENELEC Management Centre or to any CEN member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the CEN-CENELEC Management Centre has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and United Kingdom.

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EUROPEAN COMMITTEE FOR STANDARDIZATION  
COMITÉ EUROPÉEN DE NORMALISATION  
EUROPÄISCHES KOMITEE FÜR NORMUNG

**CEN-CENELEC Management Centre: Avenue Marnix 17, B-1000 Brussels**

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## European foreword

This document (EN 15007:2017) has been prepared by Technical Committee CEN/TC 261 "Packaging", the secretariat of which is held by AFNOR.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by September 2017, and conflicting national standards shall be withdrawn at the latest by September 2017.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN shall not be held responsible for identifying any or all such patent rights.

This document supersedes EN 15007:2006.

This draft European Standard is one of a package of 10 related standards with the following titles:

- EN 14847, *Aerosol containers — Tinsplate containers — Dimensions of the 25,4 mm aperture;*
- EN 14848, *Aerosol containers — Metal containers with 25,4 mm aperture — Dimensions of valve cups;*
- EN 14849, *Aerosol containers — Glass containers — Dimensions of aerosol valve ferrules;*
- EN 14850, *Aerosol containers — Metal containers with 25,4 mm aperture — Measurement of contact height;*
- EN 14854, *Aerosol containers — Glass containers — Dimensions of the neck finish;*
- EN 15006, *Metal aerosol containers — Aluminium containers — Dimensions of the 25,4 mm aperture;*
- EN 15007, *Aerosol containers — Tinsplate containers — Dimensions of two and three-piece cans;*
- EN 15008, *Aerosol containers — Aluminium containers — Dimensions of one-piece cans with 25,4 mm aperture;*
- EN 15009, *Aerosol containers — Compartmented aerosol containers;*
- EN 15010, *Aerosol containers — Aluminium containers — Tolerances of the fundamental dimensions in connection with the clinch.*

According to the CEN-CENELEC Internal Regulations, the national standards organisations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

**EN 15007:2017 (E)****1 Scope**

This European Standard specifies the dimensions of two and three-piece tinplate aerosol containers with nominal brimful capacities.

**2 Normative references**

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

EN 14847, *Aerosol containers - Tinplate containers - Dimensions of the 25,4 mm aperture*

**3 Requirements for dimensions of the containers**

Necked-in containers shall conform to Figure 1 and Table 1. Straight-line containers shall conform to Figure 2 and Table 2.

NOTE The shape of containers need not necessarily correspond exactly to the figures as long as the specified dimensions conform.

It is recommended that aerosol containers be designated by:

- 1) their nominal brimful capacity ( $C_2$ ), in millilitres;
- 2) their characteristic diameters, in millimetres;
- 3) their characteristic height ( $H_1$ ), in millimetres.

In addition, the nominal diameters of the top and bottom ends for necked-in containers should be included in the designation.

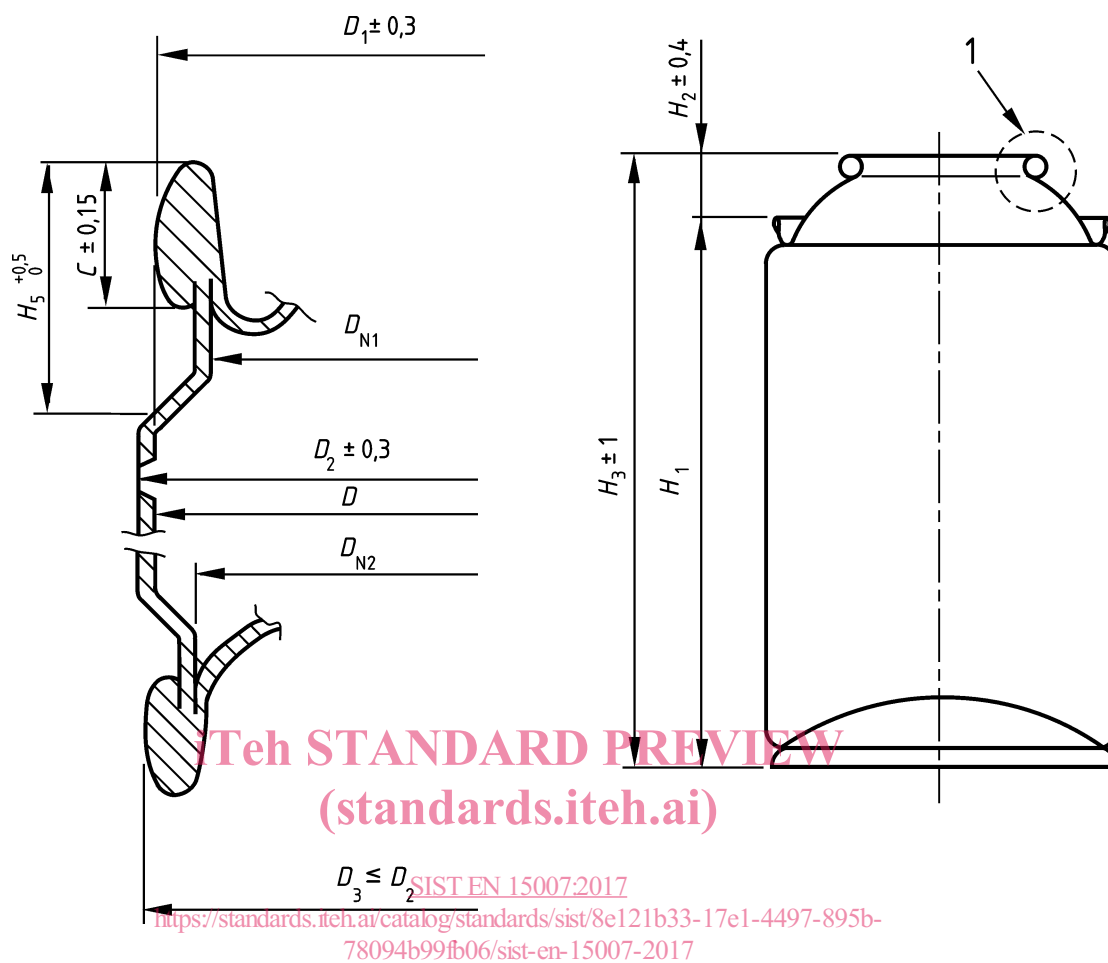
**EXAMPLES**

straight-sided cans:

$C_2/D/H_1$ ;

necked-in cans with different top and bottom diameters:  $C_2/D/D_{N1}/D_{N2}/H_1$ .

Dimensions in millimetres

**Key**

- 1 aperture (in accordance with EN 14847)

**Figure 1 — Necked-in containers**

Table 1 — Nominal brimful capacities and dimensions for necked-in containers

Brimful capacity <sup>a</sup>			Nominal fill		Nominal dimensions									
$C_2$			$V$		Body	Top end	Bottom end							
nom	min	max.	liquefied gas <sup>b</sup>	compressed gas <sup>c</sup>	$D$	$D_{N1}$	$D_{N2}$	$H_1$	$H_2$	$H_3$	$D_1$	$C$	$H_5$	$D_2$
ml	ml	ml	ml	ml	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
140	134	146	100	75	45	41	42	96	5,6	101,6	43,6	2,9	5,3	45,2
175	169	181	125	100	45	41	42	118	5,6	123,6	43,6	2,9	5,3	45,2
210	204	216	150	125	45	41	42	140	5,6	145,6	43,6	2,9	5,3	45,2
240	233	247	175	135	45	41	42	158	5,6	163,6	43,6	2,9	5,3	45,2
270	262	278	200	150	45	41	42	178	5,6	183,6	43,6	2,9	5,3	45,2
210	204	216	150	125	49	45	46 or 47 <sup>d</sup>	119	7,0	126,0	47,8	2,9	5,5	49,3
270	262	278	200	150	49	45	46 or 47 <sup>d</sup>	151	7,0	158,0	47,8	2,9	5,5	49,3
305	297	313	225	175	49	45	46 or 47 <sup>d</sup>	169	7,0	176,0	47,8	2,9	5,5	49,3
335	325	345	250	200	49	45	46 or 47 <sup>d</sup>	185	7,0	192,0	47,8	2,9	5,5	49,3
405	393	417	300	250	49	45	46 or 47 <sup>d</sup>	222	7,0	229,0	47,8	2,9	5,5	49,3
140	134	146	100	75	52	48	50	72	8,0	80,0	50,7	3,2	5,6	52,7
175	169	181	125	100	52	48	50	88	8,0	96,0	50,7	3,2	5,6	52,7
210	204	216	150	125	52	48	50	105	8,0	113,0	50,7	3,2	5,6	52,7
270	262	278	200	150	52	48	50	132	8,0	140,0	50,7	3,2	5,6	52,7
335	325	345	250	200	52	48	50	161	8,0	169,0	50,7	3,2	5,6	52,7
405	393	417	300	250	52	48	50	195	8,0	203,0	50,7	3,2	5,6	52,7
520	507	533	400	300	52	48	50	244	8,0	252,0	50,7	3,2	5,6	52,7
270	262	278	200	150	57	52	54	110	9,5	119,5	55,5	3,3	6,0	57,6
335	325	345	250	200	57	52	54	136	9,5	145,5	55,5	3,3	6,0	57,6
405	393	417	300	250	57	52	54	164	9,5	173,5	55,5	3,3	6,0	57,6
520	507	533	400	300	57	52	54	207	9,5	216,5	55,5	3,3	6,0	≤ 57,6
650	637	663	500	400	57	52	54	257	9,5	266,5	55,5	3,3	6,0	57,6



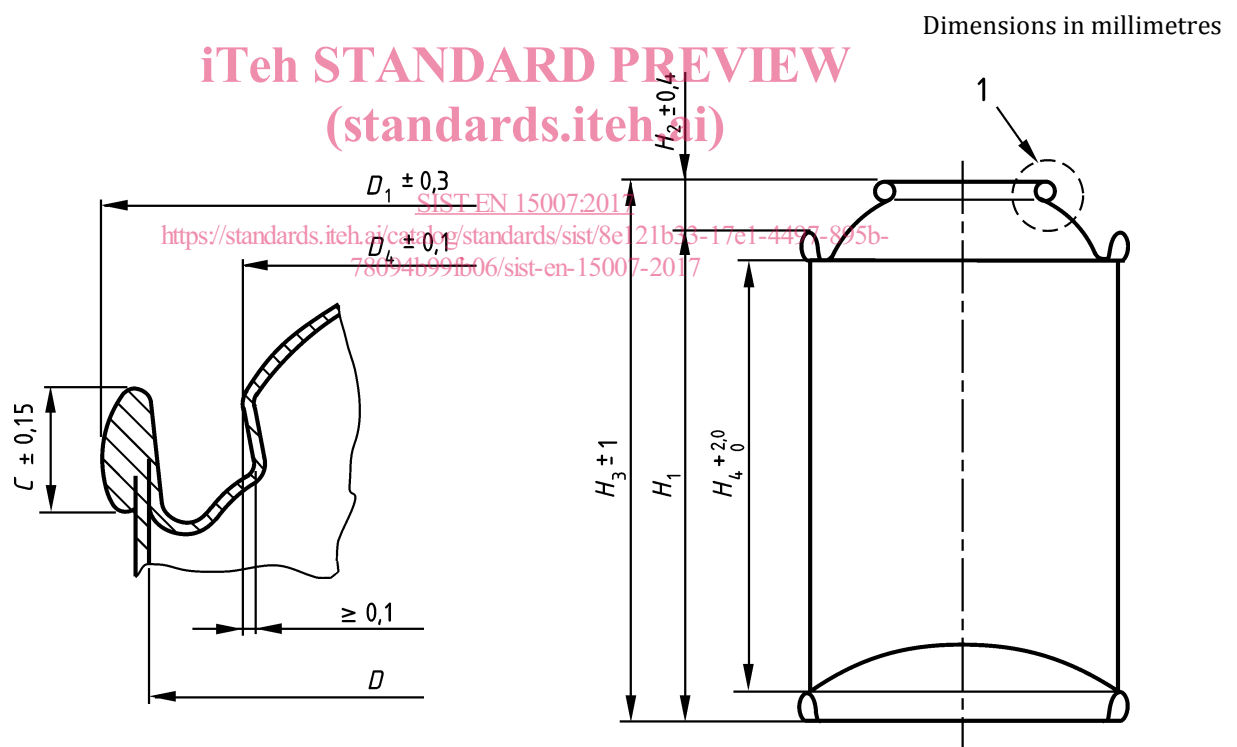
Brimful capacity <sup>a</sup>			Nominal fill		Nominal dimensions									
$C_2$			$V$		Body	Top end	Bottom end							
nom	min	max.	liquefied gas <sup>b</sup>	compressed gas <sup>c</sup>	$D$	$D_{N1}$	$D_{N2}$	$H_1$	$H_2$	$H_3$	$D_1$	$C$	$H_5$	$D_2$
ml	ml	ml	ml	ml	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
405	393	417	300	250	65	60	63	122	13,5	135,5	63,2	3,3	6,3	65,9
520	507	533	400	300	65	60	63	157	13,5	170,5	63,2	3,3	6,3	65,9
650	637	663	500	400	65	60	63	195	13,5	208,5	63,2	3,3	6,3	65,9
800	784	816	600	500	65	60	63	240	13,5	253,5	63,2	3,3	6,3	65,9
1 000	980	1 020	750	600	65	60	63	300	13,5	313,5	63,2	3,3	6,3	65,9

a The minimum and maximum values have been calculated in accordance with EN ISO 90-3 [1].

b Products propelled by liquefied gas.

c Products propelled by compressed gases alone and products propelled by nitrous oxide or carbon dioxide alone or by mixtures of the two alone when the product has a Bunsen coefficient of 1,2 or less.

d Depending on companies.



#### Key

1 aperture (in accordance with EN 14847)

**Figure 2 — Straight-sided containers**