



# SLOVENSKI STANDARD SIST EN 15007:2007

01-april-2007

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Metal 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 pieces

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Ta slovenski standard je istoveten z: EN 15007:2006

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**ICS:**

55.130 Ú[ ^çã \ ^Á ææ [ • [ ^ Aerosol containers

**SIST EN 15007:2007**

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ICS 55.130

English Version

## Metal aerosol containers - Tinplate containers - Dimensions of two and three-piece cans

Réipients métalliques 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 6 August 2006.

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 Central Secretariat 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 Central Secretariat has the same status as the official versions.

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

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

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## Foreword

This document (EN 15007:2006) 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 April 2007, and conflicting national standards shall be withdrawn at the latest by April 2007.

This draft European Standard is one of a series of thirteen related standards with the following titles:

- EN 14847, *Aerosol containers — Tinplate 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 14851, *Aerosol containers — Aerosol foam flammability test*
- EN 14852, *Aerosol containers — Determination of the ignition distance of the spray jet*
- EN 14853, *Aerosol containers — Enclosed space ignition test*
- 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, *Metal aerosol containers — Tinplate 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 organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.

## 1 Scope

This European Standard specifies the dimensions of two and three-piece tinplate aerosol containers with nominal brimful capacities in accordance with European Directive 80/232/EEC [2].

## 2 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 1 The shape of containers need not necessarily correspond exactly to the figures as long as the specified dimensions conform.

NOTE 2 It is recommended that aerosol containers be designated by:

- 1) their nominal brimful capacity (C2) 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.

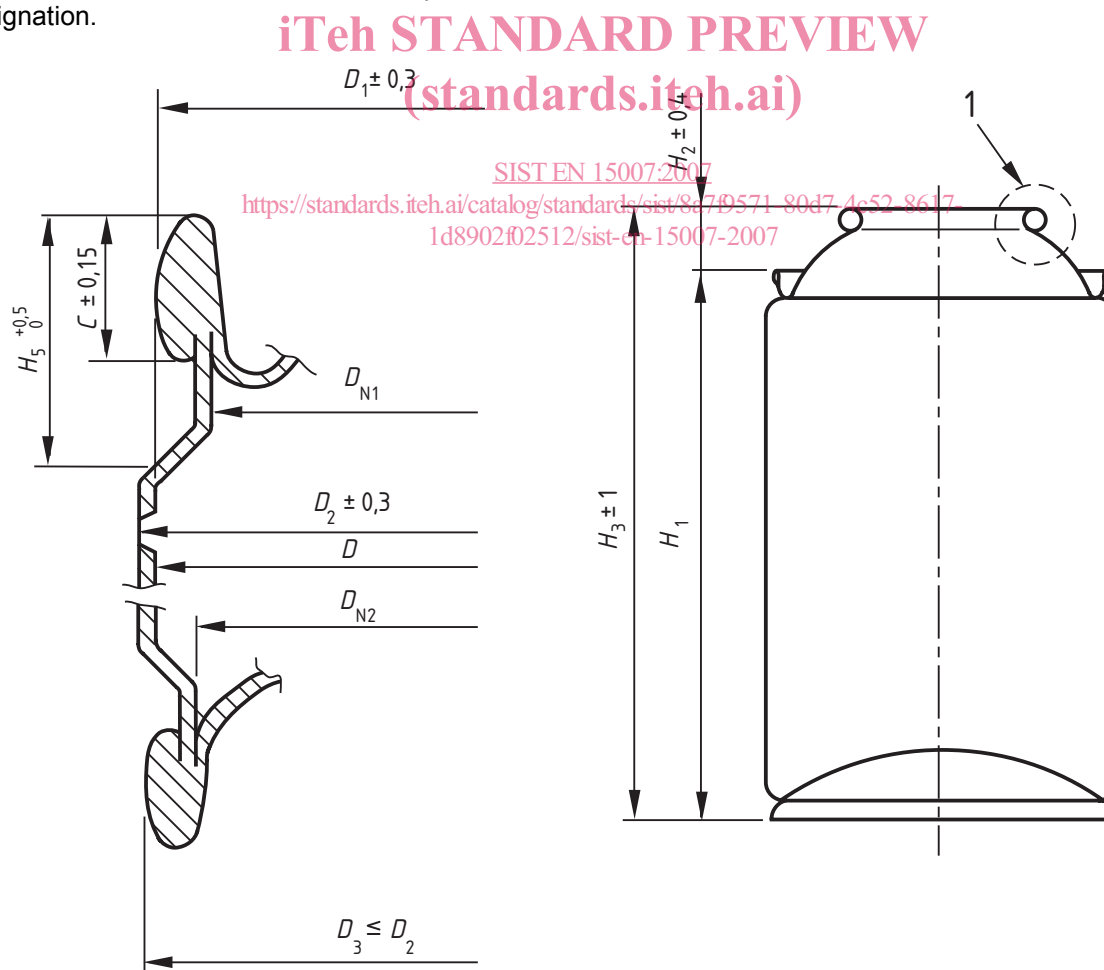


Figure 1 — Necked-in containers

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

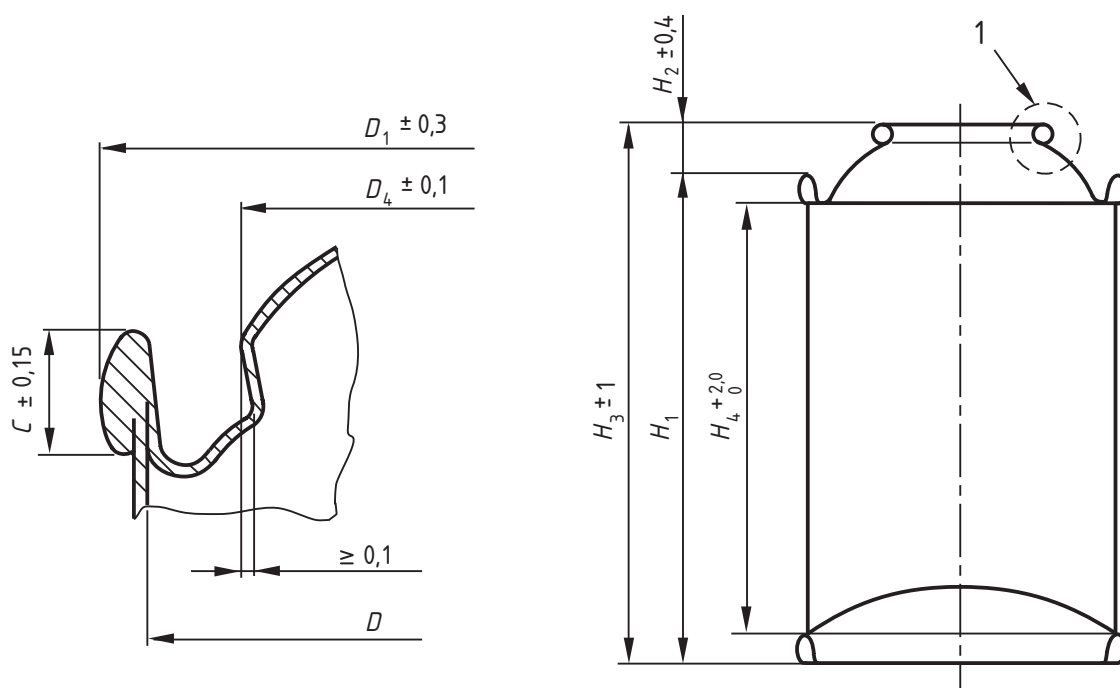
Brimful capacity <sup>a</sup>			Nominal fill <sup>b</sup>		Nominal dimensions									
C <sub>2</sub> ml			V ml		Body	Top end	Bottom end							
nom	min.	max.	liquified gas <sup>c</sup>	compressed gas <sup>d</sup>	D	D <sub>N1</sub>	D <sub>N2</sub>	H <sub>1</sub>	H <sub>2</sub>	H <sub>3</sub>	D <sub>1</sub>	C	H <sub>5</sub>	D <sub>2</sub>
					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
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	47	119	7,0	126	47,8	2,9	5,5	49,3
270	262	278	200	150	49	45	47	151	7,0	158	47,8	2,9	5,5	49,3
335	325	345	250	200	49	45	47	185	7,0	192	47,8	2,9	5,5	49,3
140	134	146	100	75	52	48	50	72	8,0	80	50,7	3,2	5,6	52,7
175	169	181	125	100	52	48	50	88	8,0	96	50,7	3,2	5,6	52,7
210	204	216	150	125	52	48	50	105	8,0	113	50,7	3,2	5,6	52,7
270	262	278	200	150	52	48	50	132	8,0	140	50,7	3,2	5,6	52,7
335	325	345	200	150	52	48	50	161	8,0	169	50,7	3,2	5,6	52,7
405	393	417	300	250	52	48	50	195	8,0	203	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
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

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

<sup>b</sup> According to EEC Council Directive of 15 January 1980, nr. 80/232/EEC [2], Annex III and EEC Council Directive of 18 March 1986, nr 86/96/EEC [3], Annex, item 2.

<sup>c</sup> Products propelled by liquefied gas.

<sup>d</sup> 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.



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Figure 2 — Straight-sided containers  
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Table 2 — Nominal brimful capacity and dimensions for straight-line cans

Brimful capacity <sup>a</sup>			Nominal fill <sup>b</sup>		Nominal dimensions									
C <sub>2</sub> ml			V ml		D mm	H <sub>1</sub> mm	Top end				H <sub>4</sub> mm	D <sub>1</sub> mm	D <sub>4</sub> mm	C mm
nom.	min.	max.	liquified gas <sup>c</sup>	compressed gas <sup>d</sup>			H <sub>2</sub>		H <sub>3</sub>					
							low mm	high mm	low mm	high mm				
140	134	146	100	75	52	72	9,5	-	81,5	-	65	55,5	45,42	3,3
175	169	181	125	100	52	88	9,5	-	97,5	-	81	55,5	45,42	3,3
210	204	216	150	125	52	105	9,5	-	114,5	-	98	55,5	45,42	3,3
270	262	278	200	150	52	132	9,5	-	141,5	-	125	55,5	45,42	3,3
335	325	345	250	200	52	161	9,5	-	170,5	-	154	55,5	45,42	3,3
405	393	417	300	250	52	195	9,5	-	204,5	-	188	55,5	45,42	3,3
405	393	417	300	250	60	146	13,5	-	159,5	-	139	63,2 or 62,8 <sup>e</sup>	52,90	3,3
520	507	533	400	300	60	186	13,5	-	199,5	-	179		52,90	3,3
650	637	663	500	400	60	232	13,5	-	245,5	-	225		52,90	3,3
405	393	417	300	250	65	122	15,5 <sup>c</sup>	20,3 <sup>c</sup>	137,5	142,3	115		58,50	3,3
520	507	533	400	300	65	157	15,5 <sup>c</sup>	20,3 <sup>c</sup>	172,5	177,3	150	68,5 or 68,7 <sup>e</sup>	58,50	3,3
650	637	663	500	400	65	195	15,5 <sup>c</sup>	20,3 <sup>c</sup>	210,5	215,3	188		58,50	3,3
800	784	816	600	500	65	240	15,5 <sup>c</sup>	20,3 <sup>c</sup>	255,5	260,3	233		58,50	3,3
1 000	980	1 020	750	600	65	300	15,5 <sup>c</sup>	20,3 <sup>c</sup>	315,5	320,3	293		58,50	3,3

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

<sup>b</sup> According to EEC Council Directive of 15 January 1980, nr. 80/232/EEC [2], Annex III and EEC Council Directive of 18 March 1986, nr. 86/96/EEC [3], Annex, item 2.

<sup>c</sup> Products propelled by liquefied gas

<sup>d</sup> 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

<sup>e</sup> Depending on the country's national standard.