SLOVENSKI STANDARD
SIST EN 15008:2007

01-april-2007

Embalaža za aerosole - Posode iz aluminija - Mere za enodelno pločevinko s 25,4-milimetrsko odprtino

Aerosol containers - Aluminium containers - Dimensions of one-piece cans with 25,4 mm aperture

Aerosolpackungen - Aluminiumbehälter - Maße von einteiligen Behältern mit einer Öffnung von 25,4 mm

Récipients pour aérosols - Récipients en aluminium - Dimensions des boîtiers monobloc (une piece) avec ouverture de 25,4 mm

Ta slovenski standard je istoveten z: **EN 15008:2006**

ICS:

55.130	Pločevinke za aerosole	Aerosol containers
77.150.10	Aluminijski izdelki	Aluminium products

SIST EN 15008:2007 **en,fr,de**

EUROPEAN STANDARD

NORME EUROPÉENNE

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EN 15008

October 2006

ICS 55.130

English Version

Aerosol containers - Aluminium containers - Dimensions of one-piece cans with 25,4 mm aperture

Récipients pour aérosols - Récipients en aluminium - Dimensions des boîtiers monobloc (une pièce) avec ouverture de 25,4 mm

Aerosolpackungen - Aluminiumbehälter - Maße von einteiligen Behältern mit einer Öffnung von 25,4 mm

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.

EUROPEAN COMMITTEE FOR STANDARDIZATION
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EUROPÄISCHES KOMITEE FÜR NORMUNG

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Foreword

This document (EN 15008:2006) 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 and volumes for one-piece aluminium aerosol containers with a 25,4 mm aperture in relation to the capacities fixed by European Directive 80/232/EEC [2].

This standard applies to one-piece containers of monobloc construction with an ogival, spherical or flat shoulder.

2 Normative references

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

EN 15010, *Aerosol containers — Aluminium containers — Tolerances of the fundamental dimensions in connection with the clinch*

3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

3.1
monobloc construction
construction without seaming, welding or soldering

3.2
brimful capacity
capacity, in millilitres, of an aerosol container without an aerosol valve

4 Requirements

4.1 Classification of containers

One-piece aluminium aerosol containers shall be classified according to five characteristic dimensions:

a) brimful capacity (C_2);

b) nominal outside diameter (D_e) which, when measured in accordance with EN 15010, shall have a tolerance of ± 0,3 mm;

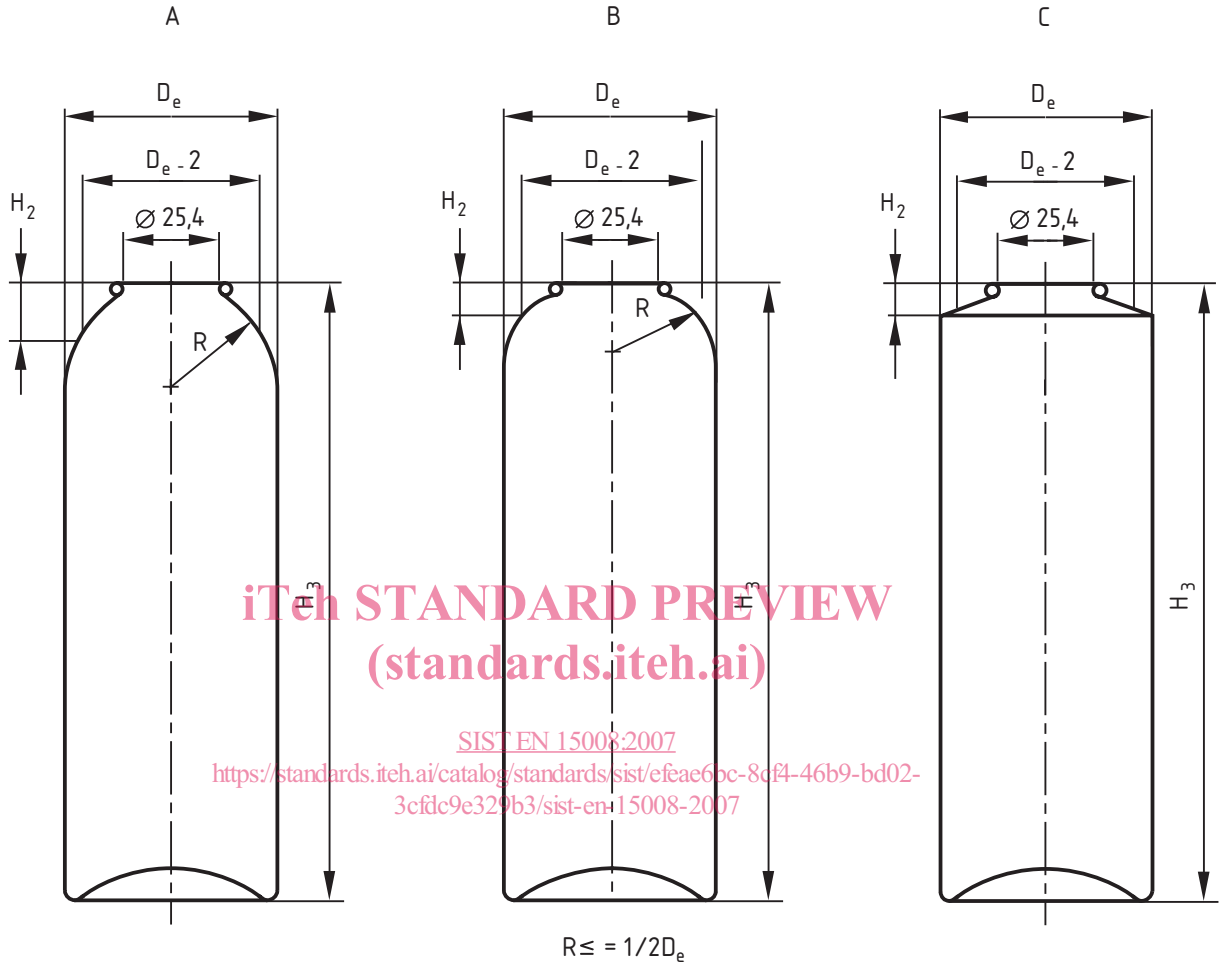
c) cover seat height (H_2), which shall be as shown in Figure 1 and which shall have a tolerance of ± 0,5 mm measured at (D_e – 2) mm;

d) nominal overall height (H_3), which shall be as shown in Figure 1 and which shall have a tolerance of ± 0,4 mm;

e) shoulder, which shall be either ogival, spherical or flat as shown in Figure 1.

4.2 Filling volumes

The filling volumes of aerosol containers with ogival shoulders shall be as shown in Table 1. The filling volumes of aerosol containers with spherical shoulders shall be as shown in Table 2. The filling volumes of aerosol containers with flat shoulders shall be as shown in Table 3.



Key

A Ogival shoulder
B Spherical shoulder
C Flat shoulder

Figure 1 — Dimensions and shoulder profiles

Table 1 — Containers with ogival shoulder

Brimful capacity[a] C_2 ml			Nominal filling volume[b] V ml		Nominal outside diameter D_e mm	Nominal overall height H_3 mm	Cover seat seat height H_2 mm
nom.	min.	max.	liquefied gas[c]	compressed gas[d]			
47	45	49	-	25	35	59	7,7
75	72	78	50	-	35	88	7,7
89	85	93	-	50	35	105	7,7
					38	90	11,0
110	106	114	75	-	35	125	7,7
					38	110	11,0
					40	100	12,0
140	134	146	100	75	35	156	7,7
					38	138	11,0
					40	125	12,0
					42	115	12,5
					45	105	15,0
175	169	181	125	100	38	168	11,0
					40	156	12,0
					42	142	12,5
					45	125	15,0
210	204	216	150	125	40	183	12,0
					42	165	12,5
					45	150	15,0
					47	137	16,5
					50	125	18,5
270	262	278	200	150	45	190	15,0
					47	176	16,5
					50	156	18,5
					53	142	20,5
335	325	345	250	200	47	214	16,5
					50	190	18,5
					53	173	20,5
					55	162	22,0
					59	142	24,5

"to be continued"

Table 1 *(continued)*

Brimful capacity[a] C_2 ml			Nominal filling volume[b] V ml		Nominal outside diameter D_e mm	Nominal overall height H_3 mm	Cover seat seat height H_2 mm
nom.	min.	max.	liquefied gas[c]	compressed gas[d]			
405	393	417	300	250	47	254	16,5
					50	225	18,5
					53	205	20,5
					55	191	22,0
					57	180	23,5
					59	169	24,5
					64	150	28,5
					66	143	29,0
520	507	533	400	300	53	260	20,5
					55	242	22,0
					57	226	23,5
					59	214	24,5
					64	185	28,5
					66	178	29,0
650	637	663	500	400	57	277	23,5
					59	265	24,5
					64	230	28,5
					66	218	29,0
800	784	816	600	500	66	263	29,0
					74	210	34,5
1000	980	1020	750	600	66	322	29,0
					74	263	34,5

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

b 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.

c Products propelled by liquefied gas.

d 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.