
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

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

Ta slovenski standard je istoveten z: EN 15008:2017

ICS:

55.130	Pločevinke za aerosole	Aerosol containers
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EUROPEAN STANDARD
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English Version

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

Réipients pour aérosols - Réipients en aluminium -
Dimensions des boîtiers monoblocs (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 7 February 2017.

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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.

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

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Contents	Page
European foreword.....	3
1 Scope	4
2 Normative references	4
3 Terms and definitions	4
4 Requirements	4
4.1 Classification of containers.....	4
4.2 Filling volumes	4
Bibliography.....	11

European foreword

This document (EN 15008:2017) 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of an identical text or by endorsement, at the latest by September 2017, and conflicting national standards shall be withdrawn at the latest by September 2017.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 15008:2006.

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 15008:2017 (E)**1 Scope**

This European Standard specifies the dimensions and volumes for one-piece aluminium aerosol containers with a 25,4 mm aperture.

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

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 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**

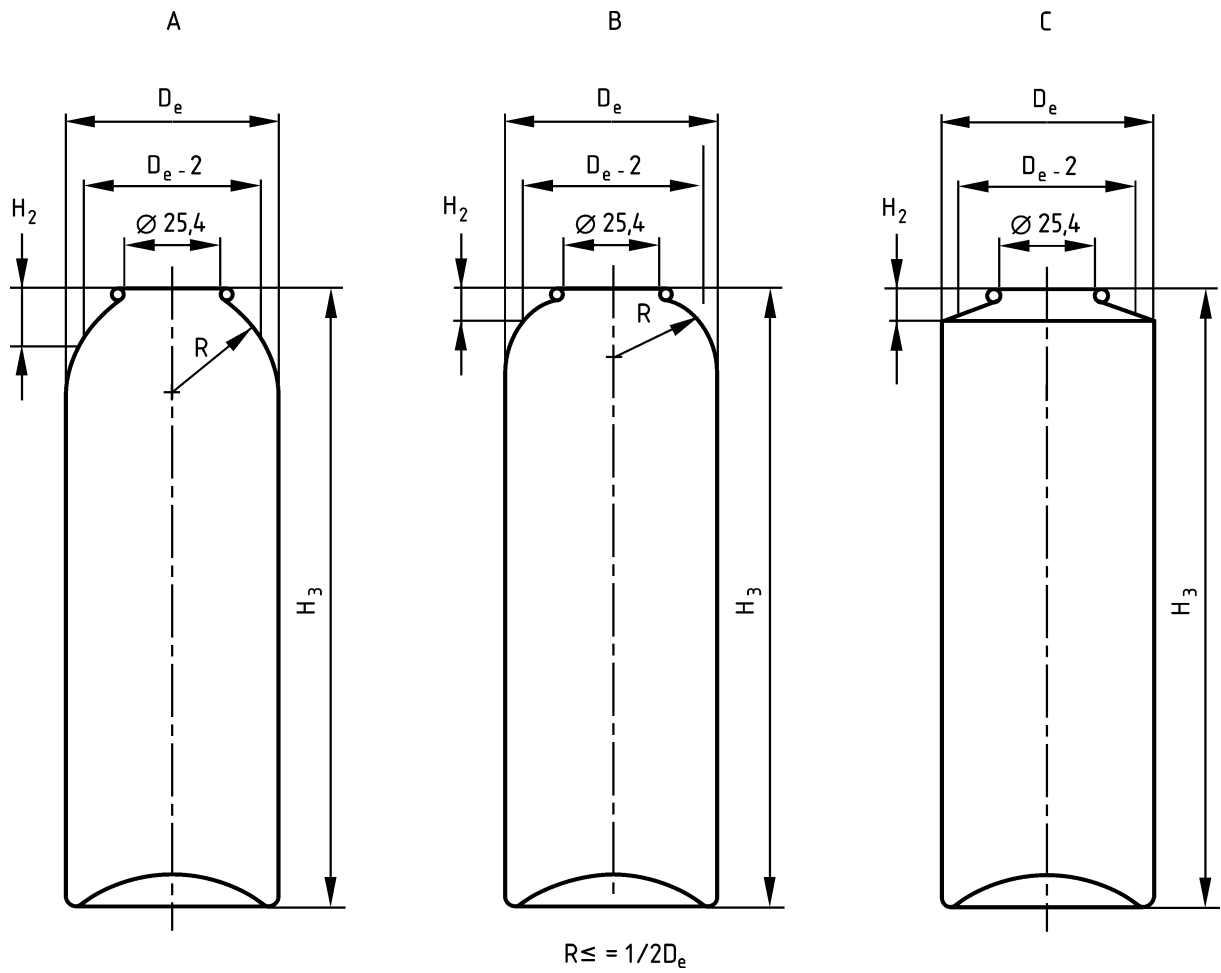
One-piece aluminium aerosol containers shall be classified according to five characteristic dimensions:

- a) brimful capacity (C_2);
- b) nominal outside diameter (D_e) which, when measured in accordance with EN 15010, shall have a tolerance of $\pm 0,3$ mm;
- c) cover seat height (H_2), which shall be as shown in Figure 1 and which shall have a tolerance of $\pm 0,5$ 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 $\pm 0,4$ 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.

Dimensions in millimetres

**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			Nominal filling volume		Nominal outside diameter	Nominal overall height	Cover seat height
nom.	C_2 min.	max.	liquefied gas ^b	V compressed gas ^c	D_e	H_3	H_2
ml	ml	ml	ml	ml	mm	mm	mm
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
175	169	181	125	100		105	15,0
					38	168	11,0
					40	156	12,0
					42	142	12,5
210	204	216	150	125	45	125	15,0
					40	183	12,0
					42	165	12,5
					45	150	15,0
270	262	278	200	150	47	137	16,5
					50	125	18,5
					45	190	15,0
					47	176	16,5
					50	156	18,5
					53	142	20,5

Brimful capacity ^a			Nominal filling volume		Nominal outside diameter	Nominal overall height	Cover seat height
nom.	C_2		liquefied gas ^b	compressed gas ^c	D_e	H_3	H_2
	min.	max.					
ml	ml	ml	ml	ml	mm	mm	mm
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
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
520	507	533	400	300	66	143	29,0
					53	260	20,5
					55	242	22,0
					57	226	23,5
					59	214	24,5
					64	185	28,5
650	637	663	500	400	66	178	29,0
					57	277	23,5
					59	265	24,5
					64	230	28,5
800	784	816	600	500	66	218	29,0
					74	263	34,5
1 000	980	1 020	750	600	66	210	29,0
					74	263	34,5

^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.