



SLOVENSKI STANDARD

SIST EN 14848:2006

01-februar-2006

Embalaza za aerosole – Kovinske posode s 25,4-milimetrsko odprtino – Mere za pokrove ventilov.

Aerosol containers - Metal containers with 25,4 mm aperture - Dimensions of valve cups

Aerosolverpackungen - Metallbehälter mit einer Öffnung von 25,4 mm - Maße von Ventilträgern

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Réipients pour aérosols - Réipients métalliques avec ouverture de 25,4 mm - Dimensions des coupelles de valves

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Ta slovenski standard je istoveten z: EN 14848:2005

ICS:

55.130 Aerosol containers

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EUROPEAN STANDARD

EN 14848

NORME EUROPÉENNE

EUROPÄISCHE NORM

November 2005

ICS 55.130

English Version

Aerosol containers - Metal containers with 25,4 mm aperture - Dimensions of valve cups

Réipients pour aérosols - Réipients métalliques avec
ouverture de 25,4 mm - Dimensions des coupelles de
valves

Aerosolverpackungen - Metallbehälter mit einer Öffnung
von 25,4 mm - Maße von Ventilträgern

This European Standard was approved by CEN on 14 October 2005.

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, 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 14848:2005) 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 May 2006, and conflicting national standards shall be withdrawn at the latest by May 2006.

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.*

prEN 15006, *Metal aerosol containers - Aluminium containers - Dimensions of the 25,4 mm (one inch) aperture.*

prEN 15007, *Metal aerosol containers - Tinplate containers - Dimensions of three-piece cans.*

prEN 15008, *Metal aerosol containers - Dimensions of 1-piece aluminium can with 25,4 mm aperture.*

prEN 15009, *Aerosol containers - Bicompartmented aerosol containers.*

prEN 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: Austria, Belgium, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.

Introduction

The specific dimensions of valve cups given in this standard are recognised as critical in respect of closure efficiency. They are important to the manufacturer in process control and to the filler for incoming goods inspection and ultimately clinch setting and control.

Cups in tinplate, blackplate, stainless steel, aluminium and aluminium alloys are permitted by this standard but it is emphasized that the dimensions are independent of the material.

To ensure satisfactory filling in production, dimples are no longer considered essential but may still be used. Their presence may cause damage of the 25,4 mm aperture and their presence on lacquered cups can give rise to coating defects at the dimple feature. Thus, in the interest of simplicity and reduction of difficulties, dimples are excluded from this standard.

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1 Scope

This European Standard specifies the critical dimensions of valve cups suitable for clinching into 25,4 mm aperture metal aerosol containers.

This standard is intended to be used with the metal aerosol containers specified in EN 14847 and prEN 15006.

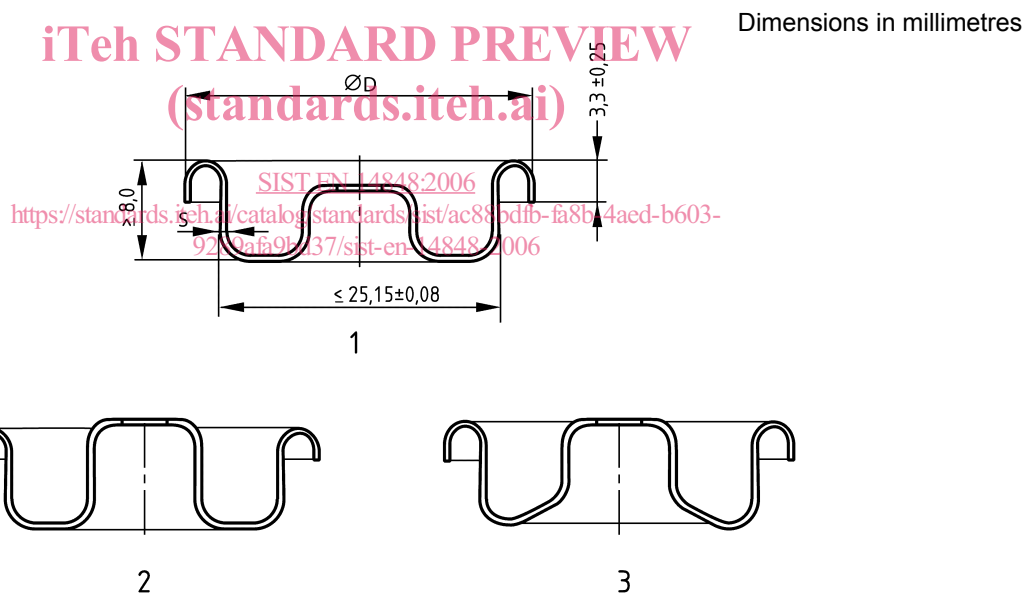
2 Normative references

Not applicable.

3 Dimensions for valve cups

Dimensions for valve cups suitable for 25,4 mm metal aperture containers shall be as given in Figure 1 and Table 1.

NOTE The dimensions established by this standard are independent of the wall thickness of material employed, with the exception of the outside diameter (D), which is influenced by wall thickness; special provision is made for this (see Table 1).



Key

- 1 Type 1
- 2 Type 2
- 3 Type 3
- S Shoulder height
- D Outside diameter

Figure 1 — Dimensions for valve cups suitable for 25,4 mm metal aperture containers

Table 1 — Dimensions for valve cups suitable for 25,4 mm metal aperture containers

Dimensions in millimetres	
Shoulder height (S)	Outside Diameter (D)
0,27	32,44 ± 0,10
0,28	32,46 ± 0,10
0,30	32,50 ± 0,10
0,40	32,50 ± 0,10
0,42	32,50 ± 0,10
0,50	32,90 ± 0,10
0,60	33,10 ± 0,10

NOTE The types $D = 32,70$ and $D = 32,74$ are still on the market.

The cup body diameter of the valve may be smaller than the above maximum figure of $25,15 \text{ mm} \pm 0,08 \text{ mm}$ when using plastic sleeve gaskets.

CAUTION — In order to avoid disturbance or rupture of the cup, care should be taken that the jaws do not approach too close to the cup base.

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