



SLOVENSKI STANDARD
SIST EN 13027:2002
01-januar-2002

9a VUÜjU!`D`c Yj]b_Y!`C_fc[`Y`cXdfH`d`c Yj]b_YžXc`c YbY`n`b`^] c j c`bUn]j bc dc`bc`dfcg]cfb]bc

Packaging - Light-gauge metal packaging - Open-top round cans defined by their nominal gross-lidded capacity

Verpackungen - Feinstblechverpackungen - Falzdeckeldosen, gekennzeichnet durch deren Gesamtfassungsvermögen

Emballage - Emballages métalliques légers - Boîtes rondes serties définies par leur capacité nominale totale

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Ta slovenski standard je istoveten z: EN 13027:2001

ICS:

55.120 Ú[^çã \ ^ĚV~ à^ Cans. Tins. Tubes

SIST EN 13027:2002 en

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EUROPEAN STANDARD

EN 13027

NORME EUROPÉENNE

EUROPÄISCHE NORM

January 2001

ICS 55.120

English version

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This European Standard was approved by CEN on 1 December 2000.

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 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 Management Centre has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, 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 European Standard 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of an identical text or by endorsement, at the latest by July 2001, and conflicting national standards shall be withdrawn at the latest by July 2001.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and the United Kingdom.

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Introduction

Efficient packaging is of great importance for the distribution and the protection of goods. Insufficient or inappropriate packaging can lead to damage or wastage of the contents of the pack.

It is based upon ISO 10653 : 1993.

Recommended diameters related to this range of capacities are shown in the Annex A (informative) to this standard.

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1 Scope

This European Standard specifies the range of the capacities of the cans defined by their nominal gross-lidded capacities, their metal thickness not exceeding 0,49 mm.

Light-gauge open-top metal containers for liquid products with added gas defined by their nominal filling volumes are the subject of an other European standard.

2 Normative references

This European Standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies (including amendments).

EN ISO 90-1	1999	Light gauge metal containers - Definitions and determination of dimensions and capacities - Open-top cans (ISO 90-1:1997)
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3 Dimensions

Standardised nominal gross-lidded capacities are listed in table 1.

The Annex A of this standard includes the nominal diameters linked to these capacities, these diameters being strongly recommended at European level.

Within this same Annex A, are listed provisional additional nominal diameters; it is understood that these additional diameters will be reviewed, 5 years after the publication of this standard, to decide if they have to remain in this annex or to be deleted taking into account their importance in the market at this time.

The tolerances for nominal gross-lidded capacities are defined in EN ISO 90-1:1999.

Table 1 — List of capacities of open-top round cans defined by their nominal gross-lidded capacity

Nominal gross-lidded Capacity ml
71
85
106
125
142
170
198
212
314
403
425
446
492
580
636
720
850
1062
1275
1700
1800
2650
3100
4250
10200

Annex A (informative)

Recommended diameters in relation to their nominal gross-lidded capacities

Recommended diameters in relation to their nominal gross-lidded capacities should be as shown in table A.1.

Table A.1 — Recommended diameters in relation to their nominal gross-lidded capacities

Nominal gross-lidded capacity ml	Nominal diameter mm	Provisional additional nominal diameters mm
71	52 - 63	55
85	52 - 63 - 65 - 73	71,5
106	52 - 63 - 65	55 - 71,5 - 73
125	52 - 73	71,5 - 86
142	52 - 63 - 73	55 - 71,5
170	52 - 63 - 73 - 83 - 99	55 - 71,5 - 86
198	73 - 99	
212	63 - 65 - 73 - 83 - 99	55 - 71,5 - 86
314	65 - 73 - 99	
403	73	
425	73 - 83 - 99	65 - 71,5 - 86
446	65 - 73 - 99	
492	73	
580	73 - 83 - 99	71,5
636	99	
720	73 - 83 - 99	
850	99	71,5
1062	83 - 99	
1275	99	
1700	99 - 105 - 153	
1800	99	
2650		
3100	153	
4250		
10200	230	

NOTE This informative annex includes the diameters recommended at European level in relation with the nominal gross-lidded capacities. The list of these sizes has been set up from ISO 10653, the nominal diameters coming from ISO 1361.