



National Standards Authority of Ireland

IRISH STANDARD

I.S. EN 13007:2000

ICS 55.140

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**STEEL DRUMS - NON-REMOVABLE HEAD
(TIGHT HEAD) DRUMS WITH A NOMINAL
CAPACITY OF 20 L TO 60 L**

*This Irish Standard was
published under the
authority of the National
Standards Authority of
Ireland
and comes into effect on:
May 5, 2000*

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EUROPEAN STANDARD

EN 13007

NORME EUROPÉENNE

EUROPÄISCHE NORM

December 1999

ICS 55.140

English version

Steel drums - Non-removable head (tight head) drums with a nominal capacity of 20 l to 60 l

Fûts en acier - Tonnelets à ouverture partielle d'une capacité nominale de 20 l à 60 l

Stahlfässer - Spundfässer mit einem Nennvolumen von 20 l bis 60 l

This European Standard was approved by CEN on 23 October 1999.

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, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.



EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
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CONTENTS

	Page
Foreword	3
1. Scope	4
2. Normative references	4
3. Terms and definitions	4
4. Dimensions	5
5. Material	5
6. Construction	5
7. Finish	6
8. Draining	6
9. Designation	6
Annex A (normative)	8
Capacity measurement method for non-removable head (tight head) steel drums	8
Annex B (normative)	10
Draining test method for non-removable head (tight head) steel drums	10
Bibliography	12
FIGURE 1 - Non-removable head (tight head) drum with a nominal capacity of 20 l to 60 l	7
Figure B.1 - Determination of drainability	11

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 June 2000, and conflicting national standards shall be withdrawn at the latest by June 2000.

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.

This standard is one of a series of standards on steel drums of 17 l to 230 l and closures.

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 package.

1. Scope

This European Standard specifies the characteristics and dimensions of non-removable head (tight head) drums, manufactured from steel sheet, having a nominal capacity of 20 l to 60 l.

2. Normative references

This European Standard incorporates by dated and 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.

EN 10111:1998	Continuously hot-rolled low carbon steel sheet and strip for cold forming — Technical delivery conditions
EN 10130+A1:1998	Cold rolled low carbon steel flat products for cold forming - Technical delivery conditions.
EN 10131:1991	Cold rolled uncoated low carbon and high yield strength steel flat products for cold forming - Tolerances on dimensions and shape.
prEN 12928:1999	Inserted flange type closure systems for steel drums with a total capacity of 17 l to 230 l.
prEN 13029:1997	Packaging — Light-gauge metal containers — Apertures for plug-in plastic closures.
EN ISO 90-2 : 1999	Light gauge metal containers - Definitions and determination of dimensions and capacities — Part 2: General use containers (ISO 90-2:1997).

3. Terms and definitions

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

3.1

non-removable head (tight head) drum (TH)

cylindrical packaging made of steel, the ends of which are permanently fixed to the body, with openings for filling, emptying and venting in the head

3.2

nominal capacity (NC)

capacity in litres which, by convention, is used to represent a class of drums of similar brimful capacities

3.3

brimful capacity (BC)

volume of water in litres held by the drum when filled through the filling orifice to the point of overflowing

NOTE Annex A specifies the method for measuring brimful capacity.

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