



National Standards Authority of Ireland

IRISH STANDARD

I.S. EN 210:2000

ICS 55.140

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**STEEL DRUMS - NON-REMOVABLE HEAD
(TIGHT HEAD) DRUMS WITH A MINIMUM
TOTAL CAPACITY OF 216,5 L**

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EUROPEAN STANDARD

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Supersedes EN 210:1986

English version

Steel drums - Non-removable head (tight head) drums with a minimum total capacity of 216,5 l

Fûts en acier - Fûts à ouverture partielle d'une capacité totale de 216,5 l minimum

Stahlfässer - Spundfässer mit einem Gesamtvolumen von mindestens 216,5 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.

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EUROPEAN COMMITTEE FOR STANDARDIZATION
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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 replaces EN 210:1986.

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of an identical text or by endorsement, at the latest by June 2000, and conflicting national standards shall be withdrawn at the latest by June 2000.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 cancels and replaces EN 210:1986 in order to include drums with special dimensions for optimal loading of freight containers and drums with differently shaped tops for optimal draining.

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 minimum total capacity of 216,5 l.

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.

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.
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).
ISO 228-1:1994	Pipe threads where pressure-tight joints are not made on the threads - Part 1 :Dimensions, tolerances and designation.
ISO 668:1995	Series 1 freight containers - Classification, dimensions and ratings.

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

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