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**INSERTED FLANGE TYPE CLOSURE  
SYSTEMS FOR STEEL DRUMS WITH A  
TOTAL CAPACITY OF 17 L TO 230 L**

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English version

## Inserted flange type closure systems for steel drums with a total capacity of 17 l to 230 l

Système de fermeture à colerette (filetée) sertie pour fûts en acier d'une capacité totale de 17 l à 230 l

Verschlusssysteme mit eingesetztem Flansch für Stahlfässer mit einem Gesamtvolumen von 17 l bis 230 l

This European Standard was approved by CEN on 27 April 2000

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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 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



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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of an identical text or by endorsement, at the latest by November 2000, and conflicting national standards shall be withdrawn at the latest by November 2000.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 with a capacity of 17 l to 230 l and closures for steel drums.

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 inserted flange type closure systems used for steel drums with a total capacity of 17 l - 230 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 (including amendments).

ISO 228-1:1994	Pipe threads where pressure-tight joints are not made on the threads - Part 1:Dimensions, tolerances and designation.
ISO 3573:1999	Hot-rolled carbon steel sheet of commercial and drawing qualities.
ISO 3574:1999	Cold-reduced carbon steel sheet of commercial and drawing qualities.
ISO 5002:1999	Hot-rolled and cold-reduced electrolytic zinc-coated carbon steel sheet of commercial and drawing qualities.
ISO 11949:1995	Cold-reduced electrolytic tinplate
ISO 11950:1995	Cold-reduced electrolytic chromium/chromium oxide-coated steel

## 3 Terms and definitions

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

### 3.1

#### **inserted flange type closure**

mechanical fixed steel insert with threads, closable with plugs made of steel, other metals or synthetic materials such as plastics, ensuring a leaktight closing of an industrial packaging such as a tight head steel drum

NOTE The octagonal base closure (type C1) is described in annexes A to J. The serrated base closure (type C2) is described in annexes K to S.

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