
Packaging — Steel drums —

Part 1:

**Removable head (open head) drums with a
minimum total capacity of 208 l, 210 l and
216,5 l**

Emballages — Fûts en acier —

*Partie 1: Fûts à ouverture totale d'une capacité totale minimale de 208 l,
210 l et 216,5 l*



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Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 3.

The main task of technical committees is to prepare International Standards. Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

Attention is drawn to the possibility that some of the elements of this part of ISO 15750 may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

ISO 15750-1 was prepared by Technical Committee ISO/TC 122, *Packaging*.

ISO 15750 consists of the following parts, under the general title *Packaging — Steel drums*:

- *Part 1: Removable head (open head) drums with a minimum total capacity of 208 l, 210 l and 216,5 l*
- *Part 2: Non-removable head (tight head) drums with a minimum total capacity of 212 l, 216,5 l and 230 l*
- *Part 3: Inserted flange-type closure systems*

Annex A forms a normative part of this part of ISO 15750.

Introduction

Throughout the world a large number of steel drum types with different dimensions and characteristics are being used. The differences in location of the filling opening and outer dimensions result in differences in filling, handling and transportation.

This part of ISO 15750 gives uniform specifications for four main types of drums for use in international trade and the preferred target option is drum type A (see Table 1).

It specifies the characteristics and dimensions of steel drums which are of importance for the exchangeability, and does not give detailed performance requirements and related test methods. The performance requirements depend on the specific application.

Where the drums are intended to be used for the transport of dangerous goods, attention is drawn to the regulatory requirements which govern the transport of those goods in the countries concerned, including capseals/overseals fitted in accordance with the certificate. Depending upon the mode of transport, this means meeting the requirements of:

- UN (United Nations): *Recommendations on the transport of dangerous goods. Model regulations*;
- ICAO (International Civil Aviation Organization): *Technical Instructions for safe transport of dangerous goods by air*;
- IMO (International Maritime Organization): *International Maritime Dangerous Goods (IMDG) Code*.

This involves the certification and marking of the drums according to the regulations.

Packaging — Steel drums —

Part 1:

Removable head (open head) drums with a minimum total capacity of 208 l, 210 l and 216,5 l

1 Scope

This part of ISO 15750 specifies the characteristics and dimensions of removable head (open head) drums, manufactured from steel sheet, having a total capacity of 208 l, 210 l and 216,5 l.

It also specifies a method for measuring the total and brimful capacity.

2 Normative references

The following normative documents contain provisions which, through reference in this text, constitute provisions of this part of ISO 15750. For dated references, subsequent amendments to, or revisions of, any of these publications do not apply. However, parties to agreements based on this part of ISO 15750 are encouraged to investigate the possibility of applying the most recent editions of the normative documents indicated below. For undated references, the latest edition of the normative document referred to applies. Members of ISO and IEC maintain registers of currently valid International Standards.

ISO 228-1:2000, *Pipe threads where pressure-tight joints are not made on the threads — Part 1: Dimensions, tolerances and designation*

ISO 3573:1986, *Hot-rolled carbon steel sheet of commercial and drawing qualities*

ISO 3574:1986, *Cold-reduced carbon steel sheet of commercial and drawing qualities*

ISO 15750-3, *Packaging — Steel drums — Part 3: Inserted flange-type closure systems*

3 Terms and definitions

For the purposes of this part of ISO 15750, the following terms and definitions apply.

3.1

removable head (open head) drum

OH

cylindrical packaging made of steel, the bottom end of which is permanently fixed to the body and the top end can be removed as a lid and closed by means of a closing ring

NOTE The top end may have additional openings for filling and venting.

3.2

round seam

seam consisting of six or more layers of steel