
**Cylindrical cork stoppers — Physical
tests —**

Part 5:
Determination of extraction force

*Bouchons cylindriques en liège — Essais physiques —
Partie 5: Détermination de la force d'extraction*



PDF disclaimer

This PDF file may contain embedded typefaces. In accordance with Adobe's licensing policy, this file may be printed or viewed but shall not be edited unless the typefaces which are embedded are licensed to and installed on the computer performing the editing. In downloading this file, parties accept therein the responsibility of not infringing Adobe's licensing policy. The ISO Central Secretariat accepts no liability in this area.

Adobe is a trademark of Adobe Systems Incorporated.

Details of the software products used to create this PDF file can be found in the General Info relative to the file; the PDF-creation parameters were optimized for printing. Every care has been taken to ensure that the file is suitable for use by ISO member bodies. In the unlikely event that a problem relating to it is found, please inform the Central Secretariat at the address given below.

This document is a preview generated by EVS



COPYRIGHT PROTECTED DOCUMENT

© ISO 2007

All rights reserved. Unless otherwise specified, no part of this publication may be reproduced or utilized in any form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office
Case postale 56 • CH-1211 Geneva 20
Tel. + 41 22 749 01 11
Fax + 41 22 749 09 47
E-mail copyright@iso.org
Web www.iso.org

Published in Switzerland

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 2.

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 document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

ISO 9727-5 was prepared by Technical Committee ISO/TC 87, *Cork*.

This first edition of ISO 9727-5, together with the other parts of ISO 9727:2007, cancels and replaces ISO 9727:1991, which has been technically revised.

ISO 9727 consists of the following parts, under the general title *Cylindrical cork stoppers — Physical tests*:

- *Part 1: Determination of dimensions*
- *Part 2: Determination of mass and apparent density for agglomerated cork stoppers*
- *Part 3: Determination of humidity content*
- *Part 4: Determination of dimensional recovery after compression*
- *Part 5: Determination of extraction force*
- *Part 6: Determination of liquid tightness*
- *Part 7: Determination of dust content*

This document is a preview generated by EVS

Cylindrical cork stoppers — Physical tests —

Part 5: Determination of extraction force

1 Scope

This part of ISO 9727 specifies a test method for determining the maximum force necessary to extract a cylindrical cork stopper.

It is applicable to all types of cylindrical cork stoppers ready for use, intended to be completely inserted in the bottle neck (straight cork stoppers).

2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 633, *Cork — Vocabulary*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in ISO 633 and the following apply.

3.1

straight cork stopper

«*ras de bague*»

stopper which is completely introduced in the bottle neck, its superior end reaching the top border of the bottle

4 Materials

4.1 **Acetone**, for cleaning the glass tubes or the necks of the empty bottles.

5 Apparatus

5.1 **Bottling machine with 4 jaws**, with a jaw-compression diameter regulated between 15,5 mm and 16 mm.

5.2 **Glass tubes**, with an internal diameter of 18,5 mm \pm 0,2 mm or an internal diameter of ($d \pm 0,2$) mm (where d is the bore diameter of the bottle intended to be used, measured at 3 mm from the top border of the bottle) or empty bottles whose bore characteristics will be specified and referred to in the test report.