

This is a preview of "ISO 12776:2008". [Click here to purchase the full version from the ANSI store.](#)

Second edition  
2008-06-01

---

---

## Pallets — Slip sheets

*Palettes — Feuilles intercalaires*



Reference number  
ISO 12776:2008(E)

© ISO 2008

This is a preview of "ISO 12776:2008". [Click here to purchase the full version from the ANSI store.](#)

**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.



**COPYRIGHT PROTECTED DOCUMENT**

© ISO 2008

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](mailto:copyright@iso.org)  
Web [www.iso.org](http://www.iso.org)

Published in Switzerland

This is a preview of "ISO 12776:2008". Click here to purchase the full version from the ANSI store.

## Contents

Page

Foreword.....	iv
Introduction .....	v
1 Scope .....	1
2 Normative references .....	1
3 Terms and definitions.....	1
4 Identification of parts .....	3
5 Type, classification and maximum authorized freight mass.....	4
5.1 Types.....	4
5.2 Corner profile of tab .....	5
5.3 Classification and symbol .....	6
5.4 Maximum authorized freight mass.....	6
6 Materials .....	7
6.1 Principal material .....	7
6.2 Anti-slip treatment .....	7
7 Dimension.....	7
7.1 Basic dimension .....	7
7.2 Dimension of a unit-load .....	8
7.3 Width of tab .....	8
7.4 Dimensional allowance .....	8
7.5 Thickness of slipsheet .....	8
8 Performance requirements .....	8
8.1 Tensile strength .....	8
8.2 Stiffness .....	10
8.3 Durability of tab.....	10
8.4 Friction .....	10
8.5 Quality .....	10
9 Designation of slipsheets .....	10
10 Marking .....	11
Annex A (informative) Guidance on the use of slipsheets.....	12
Bibliography .....	13

This is a preview of "ISO 12776:2008". [Click here to purchase the full version from the ANSI store.](#)

## 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 12776 was prepared by Technical Committee ISO/TC 51, *Pallets for unit load method of materials handling*.

This first edition cancels and replaces ISO/TR 12776:1995 which has been technically revised.

This is a preview of "ISO 12776:2008". [Click here to purchase the full version from the ANSI store.](#)

## Introduction

The system of slipsheet unit-load handling involves the use of a thin sheet of material, the slipsheet, as a base on which items are assembled as a unit load for handling, transport and storage. Slipsheets provide an alternative to the use of pallets for assembling, handling, transporting and sorting goods in unit-load form.

To use slipsheets, a conventional lift truck is equipped with a special attachment for gripping, pulling and pushing the slip-sheeted unit loads. The attachment may be permanent or removable depending on the application and circumstances. If all lift trucks in the distribution cycle are equipped with the proper attachment, a slipsheet is the only material-handling base required. Unit loads on slipsheet, may be lifted, stacked and then retrieved and handled as a single unit. The stacking height may be as high as five unit loads, depending on the strength of the packing. However, the slipsheet may also be used in conjunction with a pallet, if desired, at certain stages in the distribution cycle.

Originally developed in the United States, the slipsheet provides an inexpensive and lightweight unit-load base that occupies little shipping cube and is more easily disposed of than conventional pallets. If both the shipper and receiver have the appropriate equipment and other basic requirements are met, the full benefits of unitized load handling can be met using slipsheets.