First edition
2002-12-01

Methods of test for pallet joints —

Part 3:
Determination of strength of pallet joints

Méthodes d'essai des assemblages de palettes —

Partie 3: Détermination de la résistance des assemblages de palettes

Reference number
ISO 12777-3:2002(E)

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.

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.ch
Web www.iso.ch

Printed 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 3.

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 12777 may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

International Standard ISO 12777-3 was prepared by Technical Committee ISO/TC 51, *Pallets for unit load method of materials handling*.

ISO 12777 consists of the following parts, under the general title *Methods of test for pallet joints*:

— *Part 1: Determination of bending resistance of pallet nails, other dowel-type fasteners and staples*

— *Part 2: Determination of withdrawal and head pull-through resistance of pallet nails and staples*

— *Part 3: Determination of strength of pallet joints*

Introduction

This part of ISO 12777 was developed using methods that enable the user to select from a range of tests that best fits the particular problem or area of the pallet under analysis. Some are suitable for routine quality control and some are designed for laboratory use. Where characteristics of wood used in pallet joints are required then ISO 3133 and related standards as given in clause 2 may be used.

In general the tests if used as routine quality control tests only require the measurement of ultimate load, while if the tests are undertaken as prototype tests in a laboratory, then they also require measurement of deflection or distortion in the joint plotted during the application of the load.