



# **UL IEC 60745-2-14:2011 (R2025)**

(IEC 60745-2-14:2003+A1:2006+A2:2010, IDT)

## **STANDARD FOR SAFETY**

Hand-Held Motor-Operated Electric Tools – Safety – Part 2-14: Particular Requirements for Planers



UL Standard for Safety for Hand-Held Motor-Operated Electric Tools – Safety – Part 2-14: Particular Requirements for Planers, UL IEC 60745-2-14

Second Edition, Dated March 26, 2004

### **Summary of Topics**

***This reaffirmation of ANSI/UL IEC 60745-2-14 dated May 29, 2025 is being issued to update the title page to reflect the most recent designation as a Reaffirmed American National Standard (ANS). No technical changes have been made.***

***The Second edition of UL IEC 60745-2-14 is an adoption of IEC 60745-2-14, 2.2 Edition, issued by the IEC September 2010.***

***As noted in the Commitment for Amendments statement located on the back side of the title page, ULSE and CSA are committed to updating this harmonized standard jointly. However, the revision pages dated May 29, 2025 will not be jointly issued by ULSE and CSA as these revision pages only address UL ANSI approval dates.***

Text that has been changed in any manner or impacted by ULSE's electronic publishing system is marked with a vertical line in the margin.

The requirements are substantially in accordance with Proposal(s) on this subject dated April 11, 2025.

All rights reserved. No part of this publication may be reproduced, stored in a retrieval system, or transmitted in any form by any means, electronic, mechanical photocopying, recording, or otherwise without prior permission of ULSE Inc. (ULSE).

ULSE provides this Standard "as is" without warranty of any kind, either expressed or implied, including but not limited to, the implied warranties of merchantability or fitness for any purpose.

In no event will ULSE be liable for any special, incidental, consequential, indirect or similar damages, including loss of profits, lost savings, loss of data, or any other damages arising out of the use of or the inability to use this Standard, even if ULSE or an authorized ULSE representative has been advised of the possibility of such damage. In no event shall ULSE's liability for any damage ever exceed the price paid for this Standard, regardless of the form of the claim.

Users of the electronic versions of UL's Standards for Safety agree to defend, indemnify, and hold ULSE harmless from and against any loss, expense, liability, damage, claim, or judgment (including reasonable attorney's fees) resulting from any error or deviation introduced while purchaser is storing an electronic Standard on the purchaser's computer system.

No Text on This Page



**CSA Group**  
**CAN/CSA-C22.2 No. 60745-2-14-04**  
**Second Edition**  
(IEC 60745-2-14:2003, MOD)



**ULSE Inc.**  
**UL IEC 60745-2-14**  
**Second Edition**  
(IEC 60745-2-14:2003+A1:2006+A2:2010, IDT)

## **Hand-Held Motor-Operated Electric Tools – Safety – Part 2-14: Particular Requirements for Planers**

March 26, 2004

(Title Page Reprinted: May 29, 2025)

This national standard is based on publication IEC 60745-2-14, Edition 2.2 (2010).

Amendment 2:2010 (IDT) to National Standard of Canada



**ANSI/UL IEC 60745-2-14-2011**  
**(R2025)**



**Documents**

Document Sharing Hub

## Commitment for Amendments

This standard is issued jointly by the Canadian Standards Association (operating as "CSA Group") and ULSE Inc. (ULSE). Comments or proposals for revisions on any part of the standard may be submitted to CSA Group or ULSE at anytime. Revisions to this standard will be made only after processing according to the standards development procedures of CSA Group and ULSE. CSA Group and ULSE will issue revisions to this standard by means of a new edition or revised or additional pages bearing their date of issue.

---

## ISBN 1-55397-458-1 © 2004 Canadian Standards Association

All rights reserved. No part of this publication may be reproduced in any form whatsoever without the prior permission of the publisher.

This Standard is subject to review within five years from the date of publication, and suggestions for its improvement will be referred to the appropriate committee. The technical content of IEC and ISO publications is kept under constant review by IEC and ISO. To submit a proposal for change, please send the following information to [inquiries@csagroup.org](mailto:inquiries@csagroup.org) and include "Proposal for change" in the subject line: Standard designation (number); relevant clause, table, and/or figure number; wording of the proposed change; and rationale for the change.

To purchase CSA Group Standards and related publications, visit CSA Group's Online Store at [www.csagroup.org/store/](http://www.csagroup.org/store/) or call toll-free 1-800-463-6727 or 416-747-4044.

---

## © 2025 ULSE Inc. All rights reserved.

Our Standards for Safety are copyrighted by ULSE Inc. Neither a printed nor electronic copy of a Standard should be altered in any way. All of our Standards and all copyrights, ownerships, and rights regarding those Standards shall remain the sole and exclusive property of ULSE Inc.

This ANSI/UL IEC Standard for Safety consists of the Second Edition including revisions through May 29, 2025. The most recent designation of ANSI/UL IEC 60745-2-14 as a Reaffirmed American National Standard (ANS) occurred on May 29, 2025. ANSI approval for a standard does not include the Cover Page, Transmittal Pages, Title Page (front and back), or the Preface. The National Difference Page and IEC Foreword are also excluded from the ANSI approval of IEC-based standards.

Comments or proposals for revisions on any part of the Standard may be submitted to ULSE at any time. Proposals should be submitted via a Proposal Request in the Collaborative Standards Development System (CSDS) at <https://csds.ul.com>.

For information on ULSE Standards, visit <https://www.shopulstandards.com>, call toll free 1-888-853-3503 or email us at [ClientService@shopULStandards.com](mailto:ClientService@shopULStandards.com).

---

CONTENTS

Preface .....5

NATIONAL DIFFERENCES .....7

FOREWORD .....9

1 Scope ..... 11

2 Normative references ..... 11

3 Terms and Definitions ..... 11

4 General requirements..... 11

5 General conditions for the tests ..... 11

6 Void ..... 11

7 Classification ..... 11

8 Marking and instructions ..... 11

    8.12.1DV National Difference Deleted ..... 12

9 Protection against access to live parts ..... 12

10 Starting..... 12

11 Input and current ..... 12

12 Heating..... 12

13 Leakage current ..... 13

14 Moisture resistance ..... 13

15 Electric strength ..... 13

16 Overload protection of transformers and associated circuits..... 13

17 Endurance ..... 13

18 Abnormal operation ..... 13

19 Mechanical hazards ..... 13

20 Mechanical strength ..... 19

21 Construction ..... 19

22 Internal wiring ..... 19

23 Components ..... 19

24 Supply connection and external flexible cords..... 19

25 Terminals for external conductors ..... 19

26 Provision for earthing..... 19

27 Screws and connections ..... 19

28 Creepage distances, clearances and distances through insulation ..... 19

29 Resistance to heat, fire and tracking ..... 20

30 Resistance to rusting ..... 20

31 Radiation, toxicity and similar hazards ..... 20

Annexes

Annex K (normative) Battery Tool and Battery Packs

Annex L (normative) Battery Tools and Battery Packs Provided with Mains Connection or Non-Isolated Sources

Annex 14.DVL National Difference Deleted ..... 23

Bibliography

No Text on This Page

## Preface

This is the common CSA and ULSE standard for hand-held motor-operated electric tools. It is the second edition of CAN/CSA-C22.2 No. 60745-2-14 and the second edition of UL IEC 60745-2-14. This standard is based on IEC 60745-2-14, second edition.

This common standard was prepared by CSA Group and ULSE.

This standard is considered suitable for use for conformity assessment within the stated scope of the standard.

This standard was reviewed by the CSA Subcommittee on Safety of Hand-Held Motor-Operated Electric Tools, under the jurisdiction of the CSA Technical Committee on Consumer and Commercial Products and the CSA Strategic Steering Committee on Requirements for Electrical Safety, and has been formally approved by the CSA Technical Committee. This standard has been developed in compliance with Standards Council of Canada requirements for National Standards of Canada. It has been published as a National Standard of Canada by CSA Group.

## Application of Standard

Where reference is made to a specific number of samples to be tested, the specified number is to be considered a minimum quantity.

Note: Although the intended primary application of this standard is stated in its scope, it is important to note that it remains the responsibility of the users of the standard to judge its suitability for their particular purpose.

## Level of harmonization

This standard adopts the IEC text with national differences. This standard is published as an equivalent standard for CSA and ULSE. An equivalent standard is a standard that is substantially the same in technical content, except as follows: Technical national differences are allowed for codes and governmental regulations as well as those recognized as being in accordance with NAFTA Article 905, for example because of fundamental climatic, geographical, technological, or infrastructural factors, scientific justification, or the level of protection that the country considers appropriate. Presentation is word for word except for editorial changes.

## Interpretations

The interpretation by the standards development organization of an identical or equivalent standard is based on the literal text to determine compliance with the standard in accordance with the procedural rules of the standards development organization. If more than one literal interpretation has been identified, a revision is to be proposed as soon as possible to each of the standards development organizations to more accurately reflect the intent.