

UL 60745-2-18

STANDARD FOR SAFETY

Hand-Held Motor-Operated Electric Tools – Safety – Part 2-18: Particular Requirements For Strapping Tools

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UL Standard for Safety for Hand-Held Motor-Operated Electric Tools – Safety – Part 2-18: Particular Requirements For Strapping Tools, UL 60745-2-18

First Edition, Dated March 21, 2005

Summary of Topics

The revisions dated June 11, 2019 are being issued to reaffirm approval of UL 60745-2-18 as an American National Standard. No changes in requirements are involved.

As noted in the Commitment for Amendments statement located on the back side of the title page, UL and CSA are committed to updating this harmonized standard jointly. However, the revision pages dated June 11, 2019 will not be jointly issued by UL and CSA as these revision pages address UL ANSI approval dates only.

Text that has been changed in any manner or impacted by UL'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 5, 2019.

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CSA Group CAN/CSA-C22.2 No. 60745-2-18-05 First Edition (IEC 60745-2-18:2003)



Underwriters Laboratories Inc. UL 60745-2-18 First Edition

Hand-Held Motor-Operated Electric Tools – Safety Part 2-18: Particular Requirements For Strapping Tools

March 21, 2005

(Title Page Reprinted: June 11, 2019)

This standard is based on IEC 60745-2-18, First Edition (2003).

This amendment is an adoption of IEC Amendment No. 1(2008), First Edition (2003).





Commitment for Amendments

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

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This ANSI/UL Standard for Safety consists of the First Edition including revisions through June 11, 2019.

The most recent designation of ANSI/UL 60745-2-18 as a Reaffirmed American National Standard (ANS) occurred on June 11, 2019. 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 UL at any time. Proposals should be submitted via a Proposal Request in UL's On-Line Collaborative Standards Development System (CSDS) at https://csds.ul.com.

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CONTENTS

Preface5			
FOREW	/ORD	.7	
1	Scope	۵	
2	Normative references		
3	Terms and definitions		
4	General requirements	_	
5	General conditions for the tests		
6	Void	ع. ۵	
7	Void	a.	
8	Marking and instructions	a.	
9	Protection against access to live parts	a.	
10	Protection against access to live parts Starting	a.	
11	Input and current	.o	
12	Heating	10	
13	Heating	10	
14	Moisture resistance	10	
15	Electric strength	10	
16	Overland protection of transformers and associated circuits	10	
17	Endurance Abnormal operation Mechanical hazards Mechanical strength Construction Internal wiring Components	10	
18	Abnormal operation.	10	
19	Mechanical hazards	10	
20	Mechanical strength	10	
21	Construction	11	
22	Internal wiring	11	
23	Components	11	
24	Supply connection and external flexible cords	11	
25	Terminals for external conductors	11	
26		11	
27	Screws and connections	11	
28			
29	Resistance to heat fire and tracking	11	
30	Resistance to rusting	11	
31	Radiation, toxicity and similar hazards	11	
ANNEX	ANNEXES		

No Text on This Page

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Preface

This is the common CSA and UL standard for *Hand-Held Motor-Operated Electric Tools – Safety – Part 2-18: Particular Requirements For Strapping Tools*. It is the first edition of CAN/CSA-C22.2 No. 60745-2-18 and the first edition of UL 60745-2-18. This standard is an adoption of IEC 60745-2-18, first edition.

The standard number has been aligned to correspond with the equivalent IEC 60745-2-18 standard.

This common standard was prepared by the Canadian Standards Association (CSA) and Underwriters Laboratories Inc. (UL).

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 approved as a National Standard of Canada by the Standards Council of Canada (SCC).

This standard has been approved by the American National Standards Institute (ANSI) as an American National Standard.

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.

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

Level of Harmonization

This standard adopts the IEC text with no national differences. This standard is published as an identical standard for CSA and UL. An identical standard is a standard that is exactly the same in technical content except for national differences resulting from conflicts in codes and governmental regulations. 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.

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FOREWORD

INTERNATIONAL ELECTROTECHNICAL COMMISSION

HAND-HELD MOTOR-OPERATED ELECTRIC TOOLS – SAFETY – PART 2-18: PARTICULAR REQUIREMENTS FOR STRAPPING TOOLS

- 1) The International Electrotechnical Commission (IEC) is a worldwide organization for standardization comprising all national electrotechnical committees (IEC National Committees). The object of IEC is to promote international co-operation on all questions concerning standardization in the electrical and electronic fields. To this end and in addition to other activities, IEC publishes International Standards, Technical Specifications, Technical Reports, Publicly Available Specifications (PAS) and Guides (hereafter referred to as "IEC Publication(s)"). Their preparation is entrusted to technical committees; any IEC National Committee interested in the subject dealt with may participate in this preparatory work. International, governmental and nongovernmental organizations liaising with the IEC also participate in this preparation. IEC collaborates closely with the International Organization for Standardization (ISO) in accordance with conditions determined by agreement between the two organizations.
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- 9) Attention is drawn to the possibility that some of the elements of this IEC Publication may be the subject of patent rights. IEC shall not be held responsible for identifying any or all such patent rights.

This part of International Standard IEC 60745 has been prepared by subcommittee 61F: Safety of handheld motor-operated electric tools, of IEC technical committee 61: Safety of household and similar electrical appliances

This consolidated version of IEC 60745-2-18 consists of the first edition (2003) [documents 61F/455/FDIS and 61F/498/RVD] and its amendment 1 (2008) [documents 61F/677/CDV and 61F/725/RVC].

The technical content is therefore identical to the base edition and its amendment and has been prepared for user convenience.

It bears the edition number 1.1.

A vertical line in the margin shows where the base publication has been modified by amendment 1.

This publication has been drafted in accordance with the ISO/IEC Directives, Part 2.

This part 2 is to be used in conjunction with the latest edition of IEC 60745-1, Hand-held motor-operated electric tools - Safety - Part 1: General requirements, and its amendments. It was established on the basis of the third edition (2001) of that standard.

NOTE 1 When "Part 1" is mentioned in this standard, it refers to IEC 60745-1.

This part 2 supplements or modifies the corresponding clauses of IEC 60745-1, so as to convert that publication into the IEC standard: Safety requirements for strapping tools.

When a particular subclause of Part 1 is not mentioned in this part 2, that subclause applies as far as is reasonable. When this standard states "addition", "modification" or "replacement", the relevant text in Part 1 is to be adapted accordingly.

NOTE 2 The following numbering system is used:

- OF OF UIL GOT ASS - subclauses, tables and figures that are numbered starting from 101 are additional to those in Part 1;
- additional annexes are lettered AA, BB, etc.

NOTE 3 In this standard, the following print types are used:

- requirements: in roman type;
- test specifications: in italic type;
- notes: in smaller roman type.

Words in **bold** in the text are defined in Clause <u>3</u>. When a definition concerns an adjective, the adjective and the associated noun are also in bold.

The committee has decided that the contents of the base publication and its amendments will remain unchanged until the maintenance result date indicated on the IEC web site under "http://webstore.iec.ch" in the data related to the specific publication. At this date, the publication will be

- · reconfirmed;
- withdrawn;
- · replaced by a revised edition; or
- · amended.

HAND-HELD MOTOR-OPERATED ELECTRIC TOOLS - SAFETY -PART 2-18: PARTICULAR REQUIREMENTS FOR STRAPPING TOOLS

1 Scope

This clause of part 1 is applicable, except as follows:

Addition:

part 1 is applicable, except as follows:

Addition:

3.101 strapping tool: tool for clinching straps on boxes.

4 General requirements

his clause of part 1 is applicable.

General conditions for

3 clause of

This clause of part 1 is applicable

6 Void

Classification

This clause of part 1 is applicable.

8 Marking and instructions

This clause of part 1 is applicable.

9 Protection against access to live parts

This clause of part 1 is applicable.

10 Starting

This clause of part 1 is applicable.