

SLOVENSKI
PREDSTANDARD

**OSIST prEN 60745-2-
15:2004/OprAA:2004**

september 2004

Varnost električnih ročnih orodij - 2-15. del: Posebne zahteve za škarje za živo mejo

Safety of hand-held motor-operated electric tools - Part 2-15: Particular requirements for hedge trimmers

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EUROPEAN STANDARD

DRAFT
prEN 60745-2-15

NORME EUROPÉENNE

prAA

EUROPÄISCHE NORM

June 2004

ICS

Will supersede EN 50144-2-15:2001

English version

Safety of hand-held motor-operated electric tools
Part 2-15: Particular requirements for hedge trimmers

(to be completed)

(to be completed)

This draft amendment prAA, if approved, will modify the draft European Standard prEN 60745-2-15:2004; it is submitted to CENELEC members for CENELEC enquiry.
Deadline for CENELEC: 2004-11-05

It has been drawn up by Technical Committee CENELEC TC 61F.

If this draft becomes a European Standard, CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration.

This draft European Standard was established by CENELEC in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CENELEC member into its own language and notified to the Central Secretariat has the same status as the official versions.

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CENELEC

European Committee for Electrotechnical Standardization
Comité Européen de Normalisation Electrotechnique
Europäisches Komitee für Elektrotechnische Normung

Central Secretariat: rue de Stassart 35, B - 1050 Brussels

Foreword

This draft amendment to the draft European Standard prEN 60745-2-15 was prepared by the Technical Committee CENELEC TC 61F, Safety of hand-held and transportable motor-operated electric tools. It contains common modifications to IEC 61F/566/CDV (future 60745-2-15), which are proposed to bring the European Standard in line with the essential health and safety requirements of the Machinery Directive.

This draft European Standard will supersede EN 50144-2-15:2001.

Other standards referred to in this European standard are listed in Clause 2. Clause 2 lists the valid edition of those documents at the time of issue of this EN.

This standard is divided into two parts:

Part 1: General requirements which are common to most hand-held electric motor operated tools (for the purpose of this standard referred to simply as tools) which could come within the scope of this standard;

Part 2: Requirements for particular types of tools which either supplement or modify the requirements given in Part 1 to account for the particular hazards and characteristics of these specific tools.

This European Standard has been prepared under a mandate given to CEN and CENELEC by the European Commission and the European Free Trade Association and supports the essential health and safety requirements of the Machinery Directive.

Compliance with the clauses of Part 1 together with this Part 2 provides one means of conforming with the essential health and safety requirements of the Directive concerned.

CEN/TC 144 is producing standards for non-electric hedge trimmers (EN 774).

Warning: Other requirements and other EC Directives can be applicable to the products falling within the scope of this standard.

This standard follows the overall requirements of EN 292-1 and EN 292-2.

This Part 2-15 is to be used in conjunction with EN 60745-1:2003. When this standard states "addition", "modification" or "replacement", the relevant text in Part 1 is to be adapted accordingly.

Subclauses and figures which are additional to those in Part 1 are numbered starting from 101.

Subclauses, tables and figures which are additional to those in IEC 60745-2-15 are prefixed "Z".

NOTE In this standard the following print types are used:

- Requirements proper;
- *Test specifications;*
- Explanatory matter.

Text of prAA to prEN 60745-2-15

2 Normative references

Addition:

ISO 11094	1991	Acoustics – Test code for the measurement of airborne emitted by power lawn mowers, lawn tractors, lawn and garden tractors, and lawn and garden tractors with mowing attachments
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6 Environmental requirements

This clause of Part 1 is applicable except as follows:

6.1.2.2 Replacement:

The sound power level shall be measured according to EN ISO 3744, where the acoustic environment, instrumentation, quantities to be measured, quantities to be determined, and the measurement procedure are specified.

The sound power level shall be given as A-weighted sound power level in dB reference 1 pW. The A-weighted sound pressure levels, from which the sound power is to be determined, shall be measured directly, and not calculated from frequency band data. Measurements shall be made outdoors or indoors both requiring an acoustical free field.

The sound power level shall be determined according to 7.1 of ISO 11094, with the measurement surface and six microphone positions specified there.

The test environment outdoors shall be a flat open space (a slope, if any, not exceeding 5/100), visibly free of sound-reflecting objects (building, trees, poles, sign boards, etc.) within a circular area with a radius equal to approximately three times the radius of the hemispherical measurement surface used.

For indoor measurements the environment shall be according to EN ISO 3744, with the environmental correction $K_{2A} \leq 2$ dB determined without an artificial surface. However, for outdoor as well as for indoor measurements, the surface of the test environment shall be the artificial surface according to 4.1.2 of ISO 11094.

The A-weighted sound power level, L_{WA} , shall be calculated, in accordance with 8.6 of EN ISO 3744, as follows:

$$L_{WA} = \overline{L_{pfA}} + 10 \lg \left(\frac{S}{S_0} \right), \text{ in dB} \tag{1}$$

with $\overline{L_{pfA}}$ determined from

$$\overline{L_{pfA}} = 10 \lg \left[\frac{1}{6} \sum_{i=1}^6 10^{0,1L'_{pA,i}} \right] - K_{1A} - K_{2A}$$