
9`Y_h] bUfc bUcfcX^U!`JUfbcgh!`&, "XY.`DcgYVbY'nU hYj Y'nUý_Uf^Y]b`gY_Ub]_Y
d`c Yj]bY

Hand-held motor-operated electric tools - Safety - Part 2-8: Particular requirements for shears and nibblers

Handgeführte motorbetriebene Elektrowerkzeuge - Sicherheit - Teil 2-8: Besondere Anforderungen für Blechscheren und Nibbler

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Outils électroportatifs a moteur (Sécurité Partie 2-8: Règles particulières pour les cisailles a métaux et les grignoteuses)

[SIST EN 60745-2-8:2003/A11:2007](https://standards.iteh.ai/catalog/standards/sist/18b8efef1-e902-4504-bb10-018ca5c9da/sist-en-60745-2-8-2003-a11-2007)

Ta slovenski standard je istoveten z: **EN 60745-2-8:2003/A11:2007**

ICS:

25.120.10	Kovaški stroji. Stiskalnice. Škarje	Forging equipment. Presses. Shears
25.140.20	Ò\^ dǎ } æ\ áæ	Electric tools

SIST EN 60745-2-8:2003/A11:2007 **en,fr,de**

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**Hand-held motor-operated electric tools -
Safety -
Part 2-8: Particular requirements for shears and nibblers**

Outils électroportatifs à moteur -
Sécurité -
Partie 2-8: Règles particulières
pour les cisailles à métaux
et les grignoteuses

Handgeführte motorbetriebene
Elektrowerkzeuge -
Sicherheit -
Teil 2-8: Besondere Anforderungen
für Blehscheren und Nibbler

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This amendment A11 modifies the European Standard EN 60745-2-8:2003; it was approved by CENELEC on 2006-12-01. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this amendment the status of a national standard without any alteration.

Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Central Secretariat or to any CENELEC member.

This amendment exists 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.

CENELEC members are the national electrotechnical committees of Austria, Belgium, Bulgaria, Cyprus, the Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, the Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and the United Kingdom.

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 amendment to the European Standard EN 60745-2-8:2003 was prepared by the Technical Committee CENELEC TC 61F, Safety of hand-held and transportable motor-operated electric tools.

The text of the draft was submitted to the Unique Acceptance Procedure and was approved by CENELEC as amendment A11 to EN 60745-2-8:2003 on 2006-12-01.

This amendment was prepared to align the Subclause 6.2 with the new Subclause 6.2 in EN 60745-1:2006. Moreover, vibration values determined with the new 6.2 are complying with the requirements of the Physical Agents Directive Vibration 2002/44/EC.

The following dates were fixed:

- latest date by which the amendment has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2007-12-01
- latest date by which the national standards conflicting with the amendment have to be withdrawn (dow) 2007-12-01

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Foreword

Replace the 6th paragraph by:

This European Standard has been prepared under a mandate given to CENELEC by the European Commission and the European Free Trade Association and covers essential requirements of EC Directive 98/37/EC (Machinery Directive), amended by Directive 98/79/EC. See Annex ZZ.

Replace the 10th and 11th paragraphs by:

This standard follows the overall requirements of EN ISO 12100-1 and EN ISO 12100-2.

This Part 2-8 is to be used in conjunction with EN 60745-1:2006. When this standard states "addition", "modification" or "replacement", the relevant text in Part 1 is to be adapted accordingly

6 Environmental requirements

Replace the existing Subclause 6.2 by the following:

6.2 Vibration

6.2.4.2 Location of the measurement

Addition:

Figure Z101 shows the measurement positions for different shears and nibblers.

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6.2.6.3 Operating conditions

Modification:

Table Z101 – Operating conditions for shears and nibblers

Orientation	<p>Cutting a horizontal strip of sheet metal with a minimum length of 400 mm and a minimum width of 400 mm.</p> <p>The metal sheet shall have the maximum thickness specified in 8.1 (tensile strength = 390 N/mm²).</p> <p>The metal sheet used in the test shall be firmly secured to the test rig using resilient material. It shall be mounted so that it does not have any significant resonance in the frequency range that can influence the test result. A typical test rig is shown in Figure Z102.</p> <p>Each cut strip of 50 mm wide for the width of 400 mm shall be as near as possible to the support.</p> <p>During the test, the tool shall be arranged so that the operator can have an upright or almost upright posture and work the nibbler or shear cutting horizontally. The operator shall be able to hold the tool comfortably during the test.</p>
Tool bit	<p>Nibblers are operated with a punch and die of the size specified for the sheet metal used in the test.</p> <p>Shears are operated with shear blades of the size specified for the sheet metal used in the test.</p> <p>They shall be sharp and in good condition.</p>
Feed force	<p>Suitable feed force shall be applied to ensure a stable and smooth operation.</p>
Test cycle	<p>Cutting off one 50 mm wide strip across the 400 mm width of the sheet metal.</p> <p>The measurement starts when the blade enters the sheet metal and finishes when the blade leaves the sheet metal.</p>

6.2.7.2 Declaration of the vibration emission value

Addition:

The vibration emission value a_h of the handle with the highest emission and the uncertainty K shall be declared.

Add the following new figures:

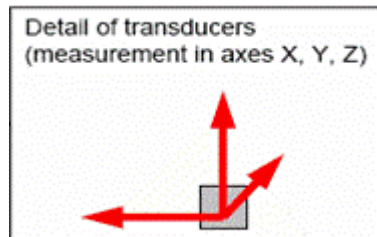
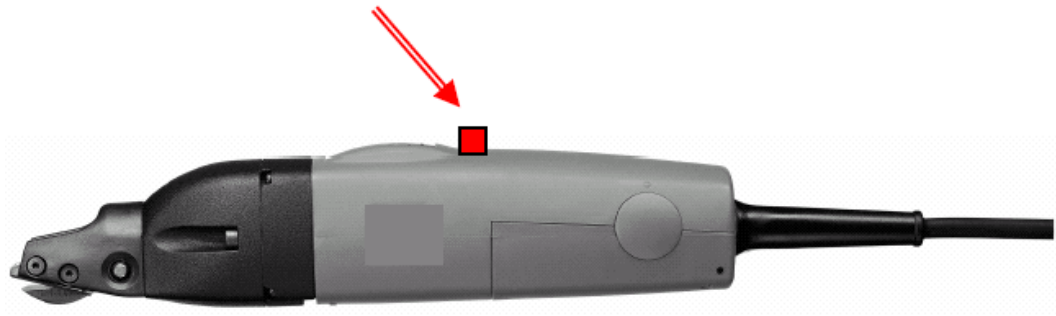


Figure Z101 - Positions of transducers for shears and nibblers

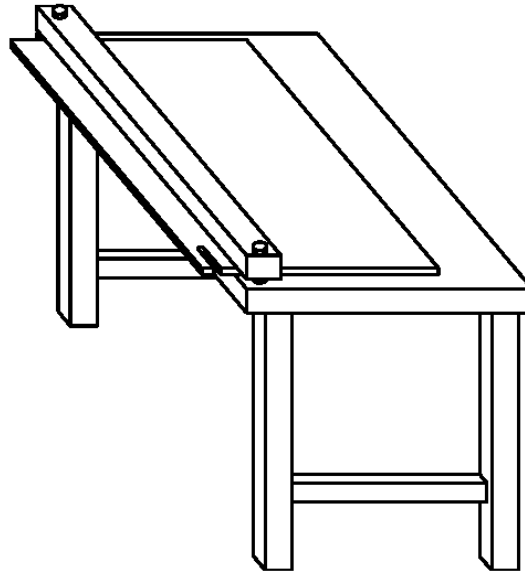


Figure Z102 - Test rig with workpiece

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