

Safety requirements for coated abrasive products

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EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

Käesolev Eesti standard EVS-EN 13743:2009 sisaldab Euroopa standardi EN 13743:2009 ingliskeelset teksti.

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English Version

Safety requirements for coated abrasive products

Prescriptions de sécurité pour les produits abrasifs
appliqués

Sicherheitsanforderungen für Schleifmittel auf Unterlagen

This European Standard was approved by CEN on 5 June 2009.

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Foreword

This document (EN 13743:2009) has been prepared by Technical Committee CEN/TC 143 "Machine tools - Safety", the secretariat of which is held by SNV.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by January 2010, and conflicting national standards shall be withdrawn at the latest by January 2010.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN [and/or CENELEC] shall not be held responsible for identifying any or all such patent rights.

This document supersedes EN 13743:2001.

Significant changes against EN 13743:2001 are as follows:

- a) The standard was technically and editorially revised and partly adapted to EN 12413:2007 on bonded abrasive products;
- b) Table 2 with dimensional abbreviations was deleted;
- c) "Vibration" was included in the list of hazards in Table 3;
- d) Table 5 (now Table 4) containing maximum operating speeds and safety factors was simplified and burst speed factors were given instead of minimum bursting speed;
- e) Table 6 (now Table 5) with dimensional limitations and maximum operating speeds was simplified by abandoning the distinction between standard operating speeds and special operating speeds;
- f) Clause 6 on verification and inspection was shortened, 6.1.1 and 6.1.2 about safety speed test and bursting speed test were combined to a new 6.2, thereby deleting Table 7 with maximum operating speeds and safety test speeds;
- g) 6.2 on scope of the inspection was deleted together with Table 8;
- h) Clause 7 on information for use was shortened;
- i) the requirements for colour code stripes were deleted in Annex A and are now presented in a new Annex B;
- j) some values given in the speed conversion table in Annex B (now Annex C) were slightly changed.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and the United Kingdom.

Introduction

This European Standard has been prepared to provide one means of conforming with essential safety requirements, e.g. of the General Product Safety Directive and associated EFTA regulations.

This European Standard is addressed to designers, manufacturers and suppliers of the coated abrasive products and back-up pads described in the scope. In addition, it helps designers, manufacturers and suppliers of grinding machines in the selection of abrasive products, in order to reduce the risks and achieve conformity of the respective machinery with the Essential Safety Requirements of the Machinery Directive.

The extent to which hazards are covered is indicated in the scope of this European Standard.

1 Scope

This European Standard is applicable to the following coated abrasive products: flap wheels, flap discs, vulcanised fibre discs and spindle mounted flap wheels. It also applies to back-up pads for vulcanised fibre discs.

This European Standard specifies requirements and/or measures for removal or reduction of hazards resulting from the design and application of the coated abrasive products and clamping devices.

This European Standard also contains procedures and tests for verification of compliance with the requirements as well as safety information for use, which is to be made available to the user by the manufacturer.

The hazards taken into consideration are listed in Clause 4 of this standard.

This European Standard does not apply to non-woven web abrasive products, bonded abrasive products and superabrasive products.

2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 554, *Standard atmospheres for conditioning and/or testing — Specifications*