



SLOVENSKI STANDARD
oSIST prEN 18444:2026

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Varnostne zahteve za netkane izdelke

Safety requirements for non-woven products

Sicherheitsanforderungen für Vliesprodukte

Prescriptions de sécurité pour les produits non tissés

Ta slovenski standard je istoveten z: prEN 18444

ICS:

25.100.70 Brusiva Abrasives

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English Version

Safety requirements for non-woven products

Prescriptions de sécurité pour les produits non tissés

Sicherheitsanforderungen für Vliesprodukte

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European foreword

This document (prEN 18444:2026) has been prepared by Technical Committee CEN/TC 143 “Machine tools — Safety”, the secretariat of which is held by SNV.

This document is currently submitted to the CEN Enquiry.

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Introduction

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

This document is addressed to manufacturers, suppliers and importers of the non woven abrasive products described in the scope. In addition, it helps manufacturers, suppliers and importers of grinding machines in the selection of non woven 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 document.

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1 Scope

This document is applicable to the following non woven abrasive products: non woven flap discs with backing plate, non woven unitized discs with backing plate, non woven general purpose discs with backing plate. These products are manufactured using abrasive grains and are entirely made of non-woven web.

This document specifies requirements and/or measures for removal or reduction of hazards resulting from the design and application of the non woven abrasive products.

This document 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 document.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements 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*

3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

3.1 General

3.1.1

non woven abrasive products

abrasive product composed of non-woven material, abrasive particles and bond

3.1.2

backing plates

The backing plate is a supporting element (typically made of glass fiber or plastic) with or without threads to glue the flaps or the rings on

3.1.3

non woven flap discs

abrasive product composed of backing plates and non-woven flaps

3.1.4

non woven unitized discs

abrasive product composed of backing plates and made of a compressed ring of non woven material

3.1.5

non woven general purpose discs

abrasive product composed of backing plates and made of a non-compressed ring of non woven material

3.2 Grinding machines

3.2.1

hand-held grinding machine

grinding machine being held in the hand during the grinding process with fixed (see 5.3 for speed limit) or adjustable speed