

SVENSK STANDARD

SS-EN ISO 21420:2020

Skyddshandskar – Allmänna krav och provningsmetoder
(ISO 21420:2020)

Protective gloves – General requirements and test methods
(ISO 21420:2020)



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Denna standard ersätter SS-EN 420:2004+A1:2009, utgåva 1

The European Standard EN ISO 21420:2020 has the status of a Swedish Standard. This document contains the official version of EN ISO 21420:2020.

This standard supersedes the SS-EN 420:2004+A1:2009, edition 1

EUROPEAN STANDARD

EN ISO 21420

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English Version

Protective gloves - General requirements and test methods (ISO 21420:2020)

Gants de protection - Exigences générales et méthodes d'essai (ISO 21420:2020)

Schutzhandschuhe - Allgemeine Anforderungen und Prüfverfahren (ISO 21420:2020)

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European foreword

This document (EN ISO 21420:2020) has been prepared by Technical Committee ISO/TC 94 "Personal safety -- Personal protective equipment" in collaboration with Technical Committee CEN/TC 162 "Protective clothing including hand and arm protection and lifejackets" the secretariat of which is held by DIN.

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of an identical text or by endorsement, at the latest by September 2020, and conflicting national standards shall be withdrawn at the latest by September 2020.

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For the relationship with EU Directive(s) see informative [Annex ZA](#), which is an integral part of this document.

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Endorsement notice

The text of ISO 21420:2020 has been approved by CEN as EN ISO 21420:2020 without any modification.

Introduction

This document is a reference standard to be referred to as appropriate by the specific standards relevant or applicable to protective gloves.

Protective gloves — General requirements and test methods

1 Scope

This document specifies the general requirements and relevant test procedures for glove design and construction, innocuousness, comfort and efficiency, as well as the marking and information supplied by the manufacturer applicable to all protective gloves.

It can also apply to arm protectors and gloves permanently incorporated in containment enclosures.

Gloves and hand protectors such as mittens, pot holders and arm protection are covered by this document.

This document does not address the protective properties of gloves and therefore is not used alone but only in combination with the appropriate specific standard(s). A non-exhaustive list of these standards is given in the Bibliography.

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 3071, *Textiles — Determination of pH of aqueous extract*

ISO 3758, *Textiles — Care labelling code using symbols*

ISO 4045:2018, *Leather — Chemical tests — Determination of pH and difference figure*

ISO 7000:2014, *Graphical symbols for use on equipment — Registered symbols*

ISO 11092, *Textiles — Physiological effects — Measurement of thermal and water-vapour resistance under steady-state conditions (sweating guarded-hotplate test)*

ISO 14268, *Leather — Physical and mechanical tests — Determination of water vapour permeability*

ISO 14362-1, *Textiles — Methods for determination of certain aromatic amines derived from azo colorants — Part 1: Detection of the use of certain azo colorants accessible with and without extracting the fibres*

ISO/TS 16190, *Footwear — Critical substances potentially present in footwear and footwear components — Test method to quantitatively determine polycyclic aromatic hydrocarbons (PAH) in footwear materials*

ISO 17075-1, *Leather — Chemical determination of chromium(VI) content in leather — Part 1: Colorimetric method*

ISO 17075-2, *Leather — Chemical determination of chromium(VI) content in leather — Part 2: Chromatographic method*

ISO 17234-1, *Leather — Chemical tests for the determination of certain azo colorants in dyed leathers — Part 1: Determination of certain aromatic amines derived from azo colorants*

ISO 20344:2011, *Personal protective equipment — Test methods for footwear*

ISO 23388, *Protective gloves against mechanical risks*

EN 1811+A1:2015, *Reference test method for release of nickel from post assemblies which are inserted into pierced parts of the human body and articles intended to come into direct and prolonged contact with the skin*

EN 16350, *Protective gloves — Electrostatic properties*

EN 16778, *Protective gloves — Determination of dimethylformamide in gloves*

IEC 60417:2002, *Graphical symbols for use on equipment*

3 Terms and definitions

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

3.1

dexterity

manipulative ability to perform a task with the hands

3.2

glove

personal protective equipment (PPE) which protects the hand or part of the hand against hazards. It can additionally cover part of the forearm and arm

3.3

glove palm

part of the glove which covers the palm of the hand, i.e. from the wrist to the base of the fingers

3.4

glove back

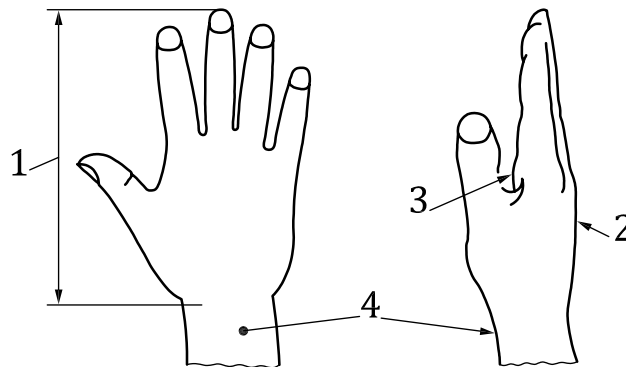
part of the glove which covers the back of the hand, i.e. from the wrist to the base of the fingers

3.5

hand

end part of the body beyond the wrist, including palm, fingers and the thumb

Note 1 to entry: See [Figure 1](#).



Key

1 hand
2 back

3 palm
4 wrist

Figure 1 — Definitions of hand, palm, back and wrist

3.6

hazard

potential source of injury or damage to the health of people