

Protective clothing for users of hand-held chain-saws —

Part 5: Test methods and performance requirements for protective gaiters

ICS 13.340.10

National foreword

This British Standard reproduces verbatim ISO11393-5:2001 and implements it as the UK national standard.

The UK participation in its preparation was entrusted by Technical Committee PH/3, Protective clothing, to Subcommittee PH/3/5, Clothing for protection against chain-saws, which has the responsibility to:

- aid enquirers to understand the text;
- present to the responsible international/European committee any enquiries on the interpretation, or proposals for change, and keep the UK interests informed;
- monitor related international and European developments and promulgate them in the UK.

A list of organizations represented on this committee can be obtained on request to its secretary.

Cross-references

The British Standards which implement international publications referred to in this document may be found in the BSI Standards Catalogue under the section entitled “International Standards Correspondence Index”, or by using the “Find” facility of the BSI Standards Electronic Catalogue.

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Summary of pages

This document comprises a front cover, an inside front cover, the ISO title page, pages ii to v, a blank page, pages 1 to 13 and a back cover.

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Protective clothing for users of hand-held chain-saws —

Part 5: Test methods and performance requirements for protective gaiters

Vêtements de protection pour utilisateurs de scies à chaîne tenues à la main —

Partie 5: Méthodes d'essai et exigences de performance pour guêtres de protection



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Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 3.

Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

Attention is drawn to the possibility that some of the elements of this part of ISO 11393 may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

International Standard ISO 11393-5 was prepared by Technical Committee ISO/TC 94, *Personal safety — Protective clothing and equipment*, Subcommittee SC 13, *Protective clothing*. It is based on EN 381-8:1997 and EN 381-9:1997.

ISO 11393 consists of the following parts, under the general title *Protective clothing for users of hand-held chain-saws*:

- *Part 1: Test rig driven by a flywheel for testing resistance to cutting by a chain-saw*
- *Part 2: Test methods and performance requirements for leg protectors*
- *Part 3: Test methods for footwear*
- *Part 4: Test methods and performance requirements for protective gloves*
- *Part 5: Test methods and performance requirements for protective gaiters*

Test methods and performance requirements for jackets with protection against cuts by hand-held chain saws will be the subject of a future part 6 to ISO 11393.

Introduction

This part of ISO 11393 forms part of a series concerned with personal protective equipment designed to protect against the risks arising from the use of hand-held chain-saws.

No personal protective equipment can ensure a 100 % protection against cutting from a hand-held chain-saw. Nevertheless, experience has shown that it is possible to design personal protective equipment which offers a certain degree of protection.

Different functional principles may be applied in order to give protection.

These include:

- a) chain slipping: on contact the chain does not cut the material;
- b) clogging: fibres are drawn by the chain into the drive sprocket and block chain movement;
- c) chain braking: fibres have a high resistance to cutting and absorb rotational energy, thereby reducing the chain speed.

Often more than one principle is applied.