

Specification for

Protective aprons for use with hand knives

The European Standard EN 412:1993 has the status of a
British Standard

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National foreword

This British Standard has been prepared under the direction of the Personal Safety Equipment Standards Policy Committee and is the English language version of EN 412:1993 *Protective aprons for use with hand knives* published by the European Committee for Standardization (CEN). It supersedes BS 7185:1989 which is withdrawn.

EN 412 was produced as a result of international discussions in which the United Kingdom took an active part.

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Summary of pages

This document comprises a front cover, an inside front cover, pages i and ii, the EN title page, pages 2 to 16, an inside back cover and a back cover.

This standard has been updated (see copyright date) and may have had amendments incorporated. This will be indicated in the amendment table on the inside front cover.

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English version

Protective aprons for use with hand knives

Tabliers de protection lors de l'utilisation de
couteaux à main

Schutzschürzen beim Gebrauch von
Handmessern

This European Standard was approved by CEN on 1993-01-18. CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration.

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CEN

European Committee for Standardization
Comité Européen de Normalisation
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Foreword

This European Standard was prepared by the Technical Committee CEN/TC 162 “*Protective clothing including hand and arm protection and lifejackets*” of which the secretariat is held by DIN.

This European Standard has been prepared under a mandate given to CEN by the Commission of the European Communities and the European Free Trade Association, and supports essential requirements of the EC Directive(s).

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of an identical text or by endorsement, at the latest by July 1993, and conflicting national standards shall be withdrawn at the latest by July 1993.

The standard was approved and in accordance with the CEN/CENELEC Internal Regulations, the following countries are bound to implement this European Standard:

Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, United Kingdom.

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1 Scope

This European Standard applies to protective aprons for use with hand knives. The standard specifies requirements for the apron's design, penetration resistance, ergonomic characteristics, straps, weight, material, marking and instructions. It also describes the appropriate test methods.

2 Definitions

NOTE The terminology used to describe the attachments of straps and belts to aprons is given in Figure 1.

For the purposes of this standard, the following definitions apply.

2.1

apron

a garment covering the front of the body from the chest to the legs

2.2

protective surface

that part of an apron that is constructed of material designed to resist penetration by hand knives

2.3

protective material

the material(s) of which the protective surface of an apron is constructed

NOTE This material may be metal chain mail or linked metal plates or materials with the same function.

2.4

interstice

the space or opening between two or more elements of an apron's protective surface

2.5

apron support

the means by which the apron is supported on the body while the apron is in use

NOTE Apron supports may be:

- shoulder straps and an independent waist belt as shown in the X form in Figure 1 a);
- shoulder straps connected to the waist belt as shown in the Y form in Figure 1 b);
- sleeveless coats or harnesses to which the protective apron is attached;
- extensions of the protective material to form an entire garment, e.g. a sleeveless coat with a short back and long front.

2.6

fastening point

a loop or ring that is an integral part of the apron and to which straps or a belt can be attached

2.7

fastener

the means by which a removable strap or belt is attached to the fastening point on the apron

2.8

identifying mark

a mark on the outer surface of the apron indicating that it is the outer surface

