
**Protective equipment for martial
arts —**

**Part 7:
Additional requirements and test
methods for hand and foot protectors**

iTeh STANDARD PREVIEW
*Équipement de protection pour les arts martiaux —
Partie 7: Exigences et méthodes d'essai complémentaires pour
protecteurs de main et pied*
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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.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

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A list of all parts in the ISO 21924 series can be found on the ISO website.

Introduction

Hand and foot protectors are used in martial arts to protect the hand or the foot of the user from injuries when strikes are executed against persons or objects by the hand or the foot.

This document does not consider the protective performance of the hand protector or the foot protector for the opponent.

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Protective equipment for martial arts —

Part 7:

Additional requirements and test methods for hand and foot protectors

1 Scope

This document specifies additional requirements and test methods for hand and foot protectors which are used in unarmed martial arts, including boxing, for strikes against other persons or training equipment.

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 21924-1:2017, *Protective equipment for martial arts — Part 1: General requirements and test methods*

3 Terms and definitions

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

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

- ISO Online browsing platform: available at <http://www.iso.org/obp>
- IEC Electropedia: available at <http://www.electropedia.org/>

3.1

hand protector

equipment worn on the hand to protect the user against injuries caused by strikes against other persons or training equipment

3.2

foot protector

equipment to protect the entire foot (without the sole area) against injuries caused by strikes against other persons or training equipment

4 Classification

4.1 Hand protectors

The following classes of hand protectors are defined:

- class A: hand protectors comprising a zone of normal (simple) protection (see [Figure 1](#));
- class B: hand protectors comprising a zone of increased protection (see [Figure 2](#)).

4.2 Foot protectors

There are no different classes specified.

5 Requirements

5.1 Innocuousness

Hand and foot protectors shall comply with the requirements in ISO 21924-1:2017, 4.2.

5.2 Sizing

The manufacturer shall indicate the size range for which the hand or foot protector is designed.

5.3 Combinations

Hand protectors or foot protectors can be used together with other protective equipment for martial arts.

If the combined use is not appropriate, this shall be indicated in the information supplied by the manufacturer.

5.4 Restraint

The restraint system shall meet the requirements defined in ISO 21924-1:2017, 4.3.

A restraint system shall be supplied by the manufacturer which enables the user to attach the foot protector without any assistance. In the case of hand protectors, the assistance of an additional person may be necessary. The protector shall remain in place during use.

Restraint devices shall be so designed that they may not cause unnatural forces or movements or constrict limbs.

Testing shall be carried out according to [6.3](#).

5.5 Zone of protection

5.5.1 General

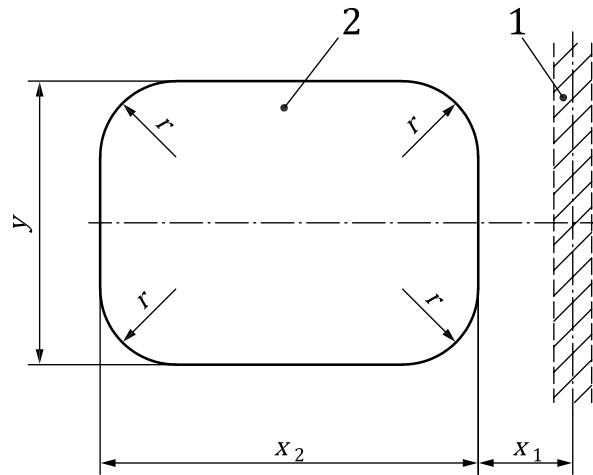
Dimensions and positions with respect of the hand or the foot to the zones of protection of hand protectors and foot protectors are defined by [Figures 1](#) to [5](#) and by [Tables 1](#) to [3](#).

5.5.2 Hand protectors

5.5.2.1 Dimensions

5.5.2.1.1 Class A

For dimensions of the zone of protection, see [Figure 1](#) and [Table 1](#).



Key

- 1 wrist area
- 2 zone of protection

Figure 1 — Dimensions of hand protectors, class A

Table 1 — Dimensions of hand protectors, class A

Dimensions in millimetres

Size	x_1	x_2	y	r
	maximum	minimum	minimum	maximum
5	10	70	60	20
6	15	80	65	
7	20	90	70	
8	25	100	75	
9	30	110	80	
10	35	120	85	
11	40	130	90	

5.5.2.1.2 Class B

For dimensions of the zone of protection, see [Figure 2](#) and [Table 2](#).