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STANDARD **11416**

First edition
1995-06-01

Tennis rackets — Racket components and physical parameters

Raquettes de tennis — Composants d'une raquette et paramètres physiques



Reference number
ISO 11416:1995(E)

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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.

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.

International Standard ISO 11416 was prepared by Technical Committee ISO/TC 83, *Sports and recreational equipment*, Subcommittee SC 6, *Rackets*.

Annexes A and B of this International Standard are for information only.

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Printed in Switzerland

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Tennis rackets — Racket components and physical parameters

1 Scope

This International Standard specifies components and physical parameters of tennis rackets and it defines the terminology used.

It also specifies laboratory methods for measuring some specific parameters of tennis rackets and gives guidelines for the indication of these parameters.

The specification of laboratory methods will permit the comparability of published measurements.

This International Standard does not include the influence of these parameters on the quality of the tennis racket.

NOTE 1 For specific requirements of tennis rackets, refer to the "Rules of the International Tennis Federation (ITF)".

2 Normative reference

The following standard contains provisions which, through reference in this text, constitute provisions of this International Standard. At the time of publication, the edition indicated was valid. All standards are subject to revision, and parties to agreements based on this International Standard are encouraged to investigate the possibility of applying the most recent editions of the standards indicated below. Members of IEC and ISO maintain registers of currently valid International Standards.

ISO 554:1976, *Standard atmospheres for conditioning and/or testing — Specifications.*

3 Definitions

The definitions of terms used shall provide a basis for communication between manufacturers and retailers. These clarifications of terms will allow the consumers a better access to the product.

For the purposes of this International Standard, the following definitions apply.

3.1 Racket components

3.1.1 tennis racket (hereafter referred to as "racket"): Playing implement consisting of frame and strings and used with the intended purpose of striking a tennis ball and playing the game of tennis.

3.1.2 racket frame (hereafter referred to as "frame"): Racket without strings.

3.1.3 raw frame: Drilled frame without all detachable parts.

3.1.4 strings: Part of the racket which comes into contact with the tennis ball.

3.1.5 grip: Part of the racket where the player holds the racket.

3.1.6 grip size, s: Circumference of the grip.

3.1.7 shaft: Region of the frame between grip and heart.

3.1.8 heart: Region of the frame between shoulder and shaft.

NOTE 2 The design of the heart can differ.

3.1.9 shoulder: Region of the frame between head and heart.

3.1.10 head: Furthermost (distal) region from the grip which merges with the shoulder in points A and A'.

See figure 1.