BS EN 17461:2023

BSI Standards Publication

Gymnastic equipment — Individual and multifunctional vaulting boxes — Safety requirements and test methods

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The UK participation in its preparation was entrusted to Technical Committee SW/136/22, Sports, Playground and other Recreational Equipment - Gymnasium and Playing Field Equipment.

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

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Gymnastic equipment - Individual and multifunctional vaulting boxes - Safety requirements and test methods

Matériel de gymnastique - Plinths individuels et multifonctions - Exigences de sécurité et méthodes d'essai

Turngeräte - Individuelle und multifunktionale Sprungkästen - Sicherheitstechnische Anforderungen und Prüfverfahren

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European foreword

This document (EN 17461:2023) has been prepared by Technical Committee CEN/TC 136 “Sports, playground and other recreational facilities and equipment”, 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of an identical text or by endorsement, at the latest by August 2023, and conflicting national standards shall be withdrawn at the latest by August 2023.

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1 Scope

This document specifies functional requirements and specific safety requirements in addition to the general safety standard EN 913 for gymnastic and vaulting boxes for individual or multifunctional use. This document also specifies requirements when multifunctional boxes are used in combination with accessories.

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.

EN 913:2018+A1:2021, *Gymnastic equipment — General safety 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:

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

3.1
vaulting box
sectioned box that is padded, used in gymnastics

3.2
multifunctional vaulting box
multi-purpose apparatus with connection points and openings provided to use the vaulting box in combination with other vaulting boxes or accessories

4 Requirements

4.1 Classification

Multifunctional vaulting boxes shall be classified by the design (types) as shown in Table 1. Examples are given in Annex A.

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Table 1 — Classification of vaulting boxes

Type	Description	Example
1	rectangular vaulting box with individual box sections and padded top box	Figure A.1
2	rectangular mini vaulting box with padded top or flat top	Figure A.2
3	pyramidal vaulting box with individual box sections and padded top box	Figure A.3
4	padded vaulting table with supporting frame	Figure A.4
5	pyramidal to rectangular vaulting box with individual box sections and padded top box	Figure A.5
6	rectangular multifunctional vaulting box with individual box sections and padded top box	Figure A.6
7	pyramidal multifunctional vaulting box with individual box sections and padded top box	Figure A.7
8	vaulting box or table with padded top with any other design which fulfils dimensions and safety requirements of this standard	Figure A.8

4.2 Dimensions

Top surfaces of the (multifunctional) vaulting boxes shall comply with the dimensions specified in Table 2.

Table 2 —Dimensions of top surfaces

Dimensions in millimetres

Range	Length *l*	Width *b*	Height *h*
Maximum	1 605	750	1 500
Minimum	700	500	400

Height of the (multifunctional) vaulting boxes shall comply with the dimensions specified in Table 3.

Table 3 — Dimensions of height

Type	Maximum height mm
1, 3, 5, 6, 7, 8	1 500
2	400
4	999

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