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Free access multi-sports equipment - Safety requirements and test methods

Táto norma obsahuje anglickú verziu európskej normy.

This standard includes the English version of the European Standard.

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 06/26

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EUROPEAN STANDARD
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EN 15312

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Supersedes EN 15312:2007+A1:2010

English Version

**Free access multi-sports equipment - Safety requirements
and test methods**

Équipements sportifs en accès libre - Exigences de
sécurité et méthodes d'essai

Frei zugängliche Multisportgeräte - Anforderungen
einschließlich Sicherheit und Prüfverfahren

This European Standard was approved by CEN on 2 February 2026.

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. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN-CENELEC Management Centre or to any CEN member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the CEN-CENELEC Management Centre has the same status as the official versions.

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EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

EN 15312:2026 (E)

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EN 15312:2026 (E)**European foreword**

This document (EN 15312:2026) 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of an identical text or by endorsement, at the latest by September 2026, and conflicting national standards shall be withdrawn at the latest by September 2026.

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

This document supersedes EN 15312:2007+A1:2010.

EN 15312:2026 includes the following significant technical changes with respect to EN 15312:2007+A1:2010:

- Added new Introduction.
- Changed Scope to exclude equipment that have their specific product standards and not to mention user age.
- Changed title.
- Added some definitions e.g. for competent person and standing surface.
- Added references to risk assessment to various requirements throughout the document.
- Excluded entrapment testing from inaccessible structures.
- Updated examples of unexpected obstacles.
- Added requirements for mini-arenas.
- Added new basketball class F.
- Added minimum diameter for yarns of basketball nets.
- Added points to consider when deciding whether a ball stop screen is needed or not.
- Rewritten requirements for spectator platforms.
- Added area specific considerations.
- Edited requirements for table tennis tables.
- Harmonized entrapment test methods with EN 1176-1.
- Clarified spaces relating to equipment.
- Added informative annex about installation, inspection, maintenance and operation.

Any feedback and questions on this document should be directed to the users’ national standards body. A complete listing of these bodies can be found on the CEN website.

According to the CEN-CENELEC Internal Regulations, the national standards organisations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Türkiye and the United Kingdom.

EN 15312:2026 (E)**Introduction**

Benefits that can be derived from outdoor activities are widely recognized and include among others physical exercising, mental wellbeing, and opportunities to improve social connections. Engaging in these activities can involve a certain level of risk. However, benefits and risks need to be well balanced to avoid the existence of unacceptable, severe, disabling, or fatal injuries. Understanding user's own level of competence and recognize their personal limits is an important factor in managing and mitigating risks; other factors include design, construction, installation, operation, maintenance, and inspection.

To extract the most benefit from these areas users should be encouraged, wherever possible to join games in progress, meet fresh contacts and make new friends. Although systems for reserving the area are not excluded, they can inhibit some users from making new friends.

Facilities can be targeted to different age groups from children through to adults, which should be considered in risk assessment from design stage to the end of facility's life cycle. Within the encouraged age range groups, the facility can be designed to be accessible to all users, including those with disabilities.

Free access multi-sports equipment is a multi-faceted concept where several elements and sports activities are combined to one area. Specific safety requirements are given only for the most common elements and combinations.

Entrapments and other safety requirements are addressed in this document, but the focus should be on the risks arising from facility's sporting use. All games that involve movement of people or objects present some risk of injury. Therefore, a site-specific risk assessment may be required.

For the quality of reading and understanding this document, the following wording is used:

- shall = requirement;
- should = recommendation;
- may = permission;
- can = possibility.

1 Scope

This document is applicable to free access unsupervised multi-sports equipment and combinations intended for permanent installation, primarily used for training, recreational and educational use outdoors.

This document specifies requirements for free access unsupervised multi-sports equipment which can incorporate a multi-sports surround, ball stop screen and various equipment for sports such as badminton, basketball, football, futsal, handball, hockey, tennis, and volleyball.

This document specifies requirements, including safety, for the equipment itself as well as for its installation, operation, inspection, and maintenance. This document is applicable to multi-sports equipment intended for individual and collective public use primarily by children and teenagers.

This document is not applicable to equipment as defined in the following standards:

- Playground equipment and surfacing EN 1176 series,
- Skateparks EN 14974,
- Artificial climbing structures EN 12572 series,
- Basketball equipment EN 1270,
- Volleyball equipment EN 1271,
- Football goals EN 748,
- Handball goals EN 749,
- Hockey goals EN 750,
- Table tennis EN 14468-1 and EN 14468-2,
- Tennis equipment EN 1510,
- Badminton equipment EN 1509,
- Portable and permanent socketed goals EN 16579,
- Lightweight goals EN 16664,
- Parkour equipment EN 16899 and
- Permanently installed outdoor fitness equipment EN 16630.

This document does not deal with beach equipment, the ground surfaces, the local environment, and any feature outside the multi-sports equipment. This document does not include any specific requirements other than for access and egress for disabled users.

EN 15312:2026 (E)**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 636, *Plywood — Specifications*

EN 1270, *Playing field equipment — Basketball equipment — Functional and safety requirements, test methods*

EN 1271, *Playing field equipment — Volleyball equipment — Functional and safety requirements, test methods*

EN 1991-1-3, *Eurocode 1: Actions on structures — Part 1-3: General actions — Snow loads*

EN 1991-1-4, *Eurocode 1: Actions on structures — Part 1-4: General actions — Wind actions*

EN 1991-1-5, *Eurocode 1: Actions on structures — Part 1-5: General actions — Thermal actions*

EN ISO 1806, *Fishing nets — Determination of mesh breaking force of netting (ISO 1806)*

EN ISO 2062, *Textiles — Yarns from packages — Determination of single-end breaking force and elongation at break using constant rate of extension (CRE) tester (ISO 2062)*

EN ISO 2307, *Fibre ropes — Determination of certain physical and mechanical properties (ISO 2307)*

ISO 8793, *Steel wire ropes — Ferrule secured eye terminations*

koniec náhľadu – text ďalej pokračuje v platenej verzii STN