

Artificial climbing structures - Part 1: Safety  
requirements and test methods for ACS with protection  
points

## EESTI STANDARDI EESSÕNA

## NATIONAL FOREWORD

See Eesti standard EVS-EN 12572-1:2017 sisaldab Euroopa standardi EN 12572-1:2017 ingliskeelset teksti.	This Estonian standard EVS-EN 12572-1:2017 consists of the English text of the European standard EN 12572-1:2017.
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English Version

Artificial climbing structures - Part 1: Safety requirements  
and test methods for ACS with protection points

Structures artificielles d'escalade - Partie 1 : Exigences  
de sécurité et méthodes d'essai relatives aux SAE avec  
points d'assurage

Künstliche Kletteranlagen - Teil 1:  
Sicherheitstechnische Anforderungen und  
Prüfverfahren für KKA mit Sicherungspunkten

This European Standard was approved by CEN on 29 October 2016.

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## European foreword

This document (EN 12572-1:2017) 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of an identical text or by endorsement, at the latest by July 2017, and conflicting national standards shall be withdrawn at the latest by July 2017.

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 12572-1:2007.

This standard EN 12572, *Artificial climbing structures*, consists of the following parts:

- *Part 1: Safety requirements and test methods for ACS with protection points*
- *Part 2: Safety requirements and test methods for bouldering walls*
- *Part 3: Safety requirements and test methods for climbing holds*

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## 1 Scope

This European Standard specifies the safety requirements and test methods for artificial climbing structures with protection points (hereafter referred to as ACS).

This European Standard is applicable for ACS in normal use for sport climbing.

This European Standard is not applicable to ice climbing, dry tooling and playground equipment.

## 2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

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 1998-1, *Eurocode 8: Design of structures for earthquake resistance - Part 1: General rules, seismic actions and rules for buildings*

## 3 Terms and definitions

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

### 3.1

#### **artificial climbing structure (ACS)**

sports equipment consisting of a purpose-built climbing structure, which shows various construction characteristics, and is designed for various uses in sport climbing objectives

### 3.2

#### **protection point**

attachment point on the ACS designed to protect the climber

Note 1 to entry: It can be permanent (cannot be removed with tools, e.g. a glue in anchor) or non-permanent (removable with tools, e.g. a hanger).

#### 3.2.1

##### **individual protection point**

intermediate protection point used to safeguard a climber in his/her progress on the ACS

#### 3.2.2

##### **individual top protection point**

protection point which is fixed at the top of a climbing line and which is designed to take the rope of one climber

Note 1 to entry: It can be used for top rope or lead climbing.