

VÕIMLEMISRIISTAD. RÖÖBASPUUD NING
ERIKÕRGUSEGA JA PARALLEELSETE RÖÖBASPUUDE
KOMBINATSIOON. NÕUDED JA KATSEMEETODID, SH
OHUTUSNÕUDED

Gymnastic equipment - Parallel bars and combination
asymmetric/parallel bars - Requirements and test
methods including safety

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

See Eesti standard EVS-EN 914:2020 sisaldab Euroopa standardi EN 914:2020 ingliskeelset teksti.	This Estonian standard EVS-EN 914:2020 consists of the English text of the European standard EN 914:2020.
Standard on jõustunud sellekohase teate avaldamisega EVS Teatajas.	This standard has been endorsed with a notification published in the official bulletin of the Estonian Centre for Standardisation.
Euroopa standardimisorganisatsioonid on teinud Euroopa standardi rahvuslikele liikmetele kättesaadavaks 20.05.2020.	Date of Availability of the European standard is 20.05.2020.
Standard on kättesaadav Eesti Standardikeskusest.	The standard is available from the Estonian Centre for Standardisation.

Tagasisidet standardi sisu kohta on võimalik edastada, kasutades EVS-i veebilehel asuvat tagasiside vormi või saates e-kirja meiliaadressile standardiosakond@evs.ee.

ICS 97.220.30

Standardite reproduutseerimise ja levitamise õigus kuulub Eesti Standardikeskusele

Andmete paljundamine, taastekitamine, kopeerimine, salvestamine elektroonsesse süsteemi või edastamine ükskõik millises vormis või millisel teel ilma Eesti Standardikeskuse kirjaliku loata on keelatud.

Kui Teil on küsimusi standardite autorikaitse kohta, võtke palun ühendust Eesti Standardikeskusega:
Koduleht www.evs.ee; telefon 605 5050; e-post info@evs.ee

The right to reproduce and distribute standards belongs to the Estonian Centre for Standardisation

No part of this publication may be reproduced or utilized in any form or by any means, electronic or mechanical, including photocopying, without a written permission from the Estonian Centre for Standardisation.

If you have any questions about copyright, please contact Estonian Centre for Standardisation:

Homepage www.evs.ee; phone +372 605 5050; e-mail info@evs.ee

EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 914

May 2020

ICS 97.220.30

Supersedes EN 914:2008

English Version

Gymnastic equipment - Parallel bars and combination
asymmetric/parallel bars - Requirements and test
methods including safety

Matériel de gymnastique - Barres parallèles et barres
parallèles/asymétriques combinées - Exigences et
méthodes d'essai y compris de sécurité

Turngeräte - Barren und kombinierte
Stufenbarren/Barren - Anforderungen und
Prüfverfahren einschließlich Sicherheit

This European Standard was approved by CEN on 20 April 2020.

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.

CEN members are the national standards bodies of 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, Turkey and United Kingdom.



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

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

Contents

	Page
European foreword.....	4
1 Scope.....	5
2 Normative references.....	5
3 Terms and definitions	5
4 Requirements	5
4.1 Classification.....	5
4.2 Dimensions.....	6
4.3 Protection against damaging the floor	7
4.4 Gap between the longitudinal/cross member.....	7
4.5 Transport equipment	8
5 Safety requirements.....	8
5.1 General requirements	8
5.2 Clear path between uprights.....	8
5.3 Entrapment	8
5.4 Stability	8
5.5 Vertical stiffness and residual deflection.....	8
5.6 Strength	8
5.7 Rigidity of framework	9
6 Test methods	9
6.1 General.....	9
6.2 Determination of the clear path between uprights	9
6.2.1 Principle	9
6.2.2 Apparatus.....	9
6.2.3 Procedure.....	9
6.2.4 Expression of results.....	9
6.3 Determination of stability and rigidity	10
6.3.1 Principle	10
6.3.2 Apparatus.....	10
6.3.3 Test temperature	10
6.3.4 Procedure.....	10
6.3.5 Expression of results.....	11
6.4 Determination of stiffness and residual deflection	11
6.4.1 Principle	11
6.4.2 Apparatus.....	11
6.4.3 Test temperature	11
6.4.4 Procedure.....	11
6.4.5 Expression of results.....	11
6.5 Determination of strength	11
6.5.1 Principle	11
6.5.2 Apparatus.....	11
6.5.3 Test temperature	11
6.5.4 Procedure.....	11
6.5.5 Expression of results.....	12
7 Instructions for use	12

8 Marking	12
Annex A (informative) Example of a cross section of equipment.....	13
Bibliography	14

European foreword

This document (EN 914:2020) 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 November 2020, and conflicting national standards shall be withdrawn at the latest by November 2020.

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 914:2008.

This document has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association.

This European Standard is one of several standards, each of which deals with a particular type or a particular group of gymnastic equipment.

The principal changes from the previous edition of EN 914 are as follows:

- a) adopting a new type (type 3) in Table 1 and Table 2 in conjunction with corresponding numeric values;
- b) dimension in Figure 1 adapted.

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, Turkey and the United Kingdom.

1 Scope

This document specifies functional requirements (see Clause 4) and specific safety requirements in addition to the general safety requirements in EN 913 (see Clause 5), which is read in conjunction with this standard.

This document is applicable to three types of parallel bars (see Table 1) intended for use under supervision of a competent person.

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, *Gymnastic equipment - General safety requirements and test methods*

EN 12503-1, *Sports mats - Part 1: Gymnastic mats, safety requirements*

EN 12503-4:2016, *Sports mats - Part 4: Determination of shock absorption*

3 Terms and definitions

No terms and definitions are listed in this document.

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

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

4 Requirements

4.1 Classification

Parallel bars and combination asymmetric parallel bars shall be classified by the design (types and sizes) as shown in Table 1.

Table 1 — Types

Type	Size	Description
1	1 and 2	parallel bars
2	—	combination asymmetric/parallel bars
3 ^a	—	competition parallel bars

^a According to the actual rules of FIG (Fédération Internationale de Gymnastique).