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OTSATALA PAIGUTUS

Railway applications - Rolling stock - Head stock  
layout

## EESTI STANDARDI EESSÕNA

## NATIONAL FOREWORD

<p>See Eesti standard EVS-EN 16839:2022+A1:2025 sisaldab Euroopa standardi EN 16839:2022+A1:2025 ingliskeelset teksti.</p> <p>Standard on jõustunud sellekohase teate avaldamisega EVS Teatajas.</p> <p>Euroopa standardimisorganisatsioonid on teinud Euroopa standardi rahvuslikele liikmetele kättesaadavaks 01.10.2025.</p> <p>Standard on kättesaadav Eesti Standardimis- ja Akrediteerimiskeskusest.</p>	<p>This Estonian standard EVS-EN 16839:2022+A1:2025 consists of the English text of the European standard EN 16839:2022+A1:2025.</p> <p>This standard has been endorsed with a notification published in the official bulletin of the Estonian Centre for Standardisation and Accreditation.</p> <p>Date of Availability of the European standard is 01.10.2025.</p> <p>The standard is available from the Estonian Centre for Standardisation and Accreditation.</p>
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English Version

## Railway applications - Rolling stock - Head stock layout

Applications ferroviaires - Matériel roulant ferroviaires  
- Agencement de la traverse de tête

Bahnanwendungen - Schienenfahrzeuge - Anordnung  
der Bauteile am Kopfstück

This European Standard was approved by CEN on 10 July 2022 and includes Amendment 1 approved by CEN on 20 July 2025.

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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**

<b>Contents</b>	<b>Page</b>
European foreword.....	4
<b>1 Scope</b> .....	<b>5</b>
<b>2 Normative references</b> .....	<b>5</b>
<b>3 Terms and definitions</b> .....	<b>6</b>
<b>4 Free spaces</b> .....	<b>7</b>
4.1 General.....	7
4.2 Berne rectangle.....	9
4.3 Free spaces for coupling of coaches.....	9
4.4 Climb protection.....	10
<b>5 Buffers</b> .....	<b>10</b>
5.1 General.....	10
5.2 Position of buffers on the headstock.....	10
5.2.1 Distance between buffers.....	10
5.2.2 Height of buffers above top of the rail.....	10
5.3 Buffer fixing.....	11
5.3.1 Vehicles without crashworthy buffer systems.....	11
5.3.2 Vehicles with crashworthy buffer systems.....	12
5.4 Interaction coupling/buffer.....	13
5.4.1 General.....	13
5.4.2 Mounting of buffers.....	13
5.5 Requirements to avoid buffer locking.....	14
5.5.1 Boundary dimensions.....	14
5.5.2 Calculation of width of buffer heads.....	16
5.5.3 Verification.....	17
<b>6 Screw coupling</b> .....	<b>17</b>
6.1 General.....	17
6.2 Position of draw gear on the headstock.....	18
6.2.1 Height of the draw gear above top of the rail.....	18
6.2.2 Position of the device to hang the screw coupler when not in use.....	18
6.3 Clearances around the draw hook.....	18
6.4 Draw gear fixing.....	20
<b>7 Brake pipe connections</b> .....	<b>21</b>
<b>8 Pneumatic half couplings</b> .....	<b>22</b>
<b>9 Electrical connections</b> .....	<b>23</b>
9.1 General.....	23
9.2 Electrical power supply connection.....	24
9.3 Electro pneumatic brake connection (EP-brake).....	25
<b>Annex A (normative) Calculation of the width of buffer heads</b> .....	<b>28</b>
A.1 General.....	28
A.1.1 Introduction.....	28
A.1.2 Comments on the preparation of the formulae in this annex.....	28

<b>A.1.3</b>	<b>Track .....</b>	<b>28</b>
<b>A.1.4</b>	<b>Vehicle .....</b>	<b>29</b>
<b>A.2</b>	<b>Data used in the calculation.....</b>	<b>29</b>
<b>A.3</b>	<b>Calculation .....</b>	<b>29</b>
<b>A.4</b>	<b>Return Value.....</b>	<b>30</b>
<b>Annex B (normative) Validation of the calculated width of buffer heads by drawing methodology.....</b>		
		<b>31</b>
<b>B.1</b>	<b>General .....</b>	<b>31</b>
<b>B.2</b>	<b>Methods.....</b>	<b>31</b>
<b>B.2.1</b>	<b>General .....</b>	<b>31</b>
<b>B.2.2</b>	<b>Drawing method .....</b>	<b>34</b>
<b>B.2.3</b>	<b>Simulation method.....</b>	<b>34</b>
<b>Annex C (informative) Example of location of rest for uncoupled half couplings.....</b>		
		<b>35</b>
<b>Annex D (normative) Special national conditions.....</b>		
		<b>38</b>
<b>Annex E (informative) Examples for permissible arrangement of brake pipe connections.....</b>		
		<b>39</b>
<b>Annex F (normative) Calculation of space for shunter (Berne Rectangle) in curves when using screw couplings.....</b>		
		<b>49</b>
<b>Bibliography .....</b>		
		<b>51</b>

## European foreword

This document (EN 16839:2022+A1:2025) has been prepared by Technical Committee CEN/TC 256 "Railway applications", 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 April 2026, and conflicting national standards shall be withdrawn at the latest by April 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 includes Amendment 1 approved by CEN on 20 July 2025.

The start and finish of text introduced or altered by amendment is indicated in the text by tags **A1** **A1**.

This document supersedes **A1** EN 16839:2022 **A1**.

United Kingdom has a national deviation, which is included in Annex D.

**A1** Deleted paragraph **A1**

This document has been prepared under a Standardization Request given to CEN by the European Commission and the European Free Trade Association, and supports essential requirements of EU Directive(s) / Regulation(s).

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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.

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## 1 Scope

This document is applicable to vehicles equipped with buffers and screw coupling systems.

In order to allow operation and coupling of trainsets or vehicles, this document specifies the defined free space for the shunter called the “Berne rectangle” and the necessary free space for the installation of the rescue coupler.

This document specifies the location, fixing, and free spaces on the headstock of:

- buffers;
- screw coupling systems;
- end cocks;
- pneumatic half couplings;
- connections for electric cables.

It also specifies the calculation of the width of the buffer heads.

Unless otherwise displayed, all dimensions given in this document are nominal values.

## 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 14601:2005+A2:2021, *Railway applications - Straight and angled end cocks for brake pipe and main reservoir pipe*

EN 15020:2022, *Railway applications — Rescue coupler — Performance requirements, specific interface geometry and test methods*

EN 15551:2022, *Railway applications — Railway rolling stock — Buffers*

EN 15566:2022, *Railway applications — Railway rolling stock — Draw gear and screw coupling*

EN 15807:2021, *Railway applications — Pneumatic half couplings*

EN 15877-1:2012+A1:2018, *Railway applications — Marking on railway vehicles - Part 1: Freight wagons*

EN 16286-1:2013, *Railway applications — Gangway systems between vehicles — Part 1: Main applications*

**[A1]** EN IEC 62847:2023, *Railway applications — Rolling stock — Electrical connectors — Requirements and test methods (IEC 62847:2016)* **[A1]**

**[A1]** Deleted reference **[A1]**

**[A1]** EN ISO 7010, *Graphical symbols — Safety colours and safety signs — Registered safety signs (ISO 7010)* **[A1]**