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Railway applications - Wheelsets and bogies - Method of specifying the structural requirements of bogie frames

Táto norma obsahuje anglickú verziu európskej normy.
This standard includes the English version of the European Standard.

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English Version

Railway applications - Wheelsets and bogies - Method of specifying the structural requirements of bogie frames

Applications ferroviaires - Essieux montés et bogies -
Méthode pour spécifier les exigences en matière de
résistance des structures de châssis de bogie

Bahnanwendungen - Radsätze und Drehgestelle -
Festlegungsverfahren für Festigkeitsanforderungen an
Drehgestellrahmen

This European Standard was approved by CEN on 15 February 2021 and includes Amendment approved by CEN on 10 October 2023.

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EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
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CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

EN 13749:2021+A1:2023 (E)

Contents	Page
European foreword	5
1 Scope	5
2 Normative references	6
3 Terms and definitions	6
4 Technical specification	8
4.1 Scope	8
4.2 General requirements	8
4.3 Design load cases	8
4.4 Vehicle conditions and interfaces	9
4.5 Particular requirements	9
5 Verification of the design data	9
6 Validation and acceptance of the design	9
6.1 General	9
6.2 The validation plan	10
6.2.1 Content	10
6.2.2 Structural analysis	11
6.2.3 Static tests	12
6.2.4 Fatigue tests	12
6.2.5 Track tests	13
7 Quality requirements	14
Annex A (informative) Symbols and units used in the informative annexes	15
A.1 Forces	15
A.2 Accelerations	16
A.3 Masses	16
A.4 Other symbols and units	17
A.5 Coordinate system	17
A.6 Bogie classification	19
Annex B (informative) Load cases	20
Annex C (informative) Loads due to bogie running	22
C.1 General	22
C.2 Examples of loads for bogies of passenger rolling stock - categories B-I and B-II	23
C.2.1 Exceptional loads	23
C.2.2 Normal service loads	24
C.3 Examples of loads for freight bogies with a central pivot and two sidebearers - category B-V	24
C.3.1 Bogie types	24
C.3.2 Relationship of vertical forces	24

C.3.3	Exceptional loads	25
C.3.4	Normal service loads	26
C.4	Examples of loads for bogies of locomotives (with two bogies) - category B-VII	27
C.4.1	Exceptional loads	27
C.4.2	Normal service loads	28
C.5	Examples of loads for bogies of metro, rapid transit, light rail vehicles and trams - categories B-III and B-IV	28
C.5.1	Application	28
C.5.2	Load cases	28
C.5.3	General expressions for the basic load cases	29
Annex D (informative) Loads due to components attached to the bogie frame		30
D.1	General	30
D.2	Component inertia loads	30
D.2.1	Derivation	30
D.2.2	Design accelerations for equipment attached to the bogie frame	31
D.2.3	Design accelerations for equipment attached to the axlebox	31
D.3	Loads resulting from viscous dampers	31
D.4	Loads resulting from braking	32
D.5	Loads resulting from traction motors	32
D.6	Forces applied on anti-roll systems	32
Annex E (informative) Analysis methods and acceptance criteria		33
E.1	General	33
E.2	Loads	33
E.3	Analysis and acceptance	33
E.4	Structural acceptance criteria	33
E.4.1	Principle	33
E.4.2	Utilization	34
E.4.3	Safety factor	34
E.4.4	Material strength	35
Annex F (informative) Examples of static test programmes		40
F.1	General	40
F.2	Static test programme for bogies of passenger rolling stock with body supported directly to the sideframe (categories B-I and B-II)	41
F.2.1	Tests under exceptional loads	41
F.2.2	Tests under normal service loads	41
F.3	Static test programme for bogies with central pivot and two sidebearers (category B-V)	43

EN 13749:2021+A1:2023 (E)

F.3.1	Bogie types	43
F.3.2	Tests under exceptional loads	43
F.3.3	Tests under normal service loads.....	44
F.4	Static test programme for bogies of locomotives.....	45
F.5	Static test programme for bogies of light rail vehicles and trams	45
F.5.1	General.....	45
F.5.2	Tests under exceptional loads	45
F.5.3	Tests under normal service loads.....	46
	Annex G (informative) Examples of fatigue test programmes.....	47
G.1	General.....	47
G.2	Fatigue test programme for bogies with the body supported directly on the sideframes (categories B-I and B-II)	48
G.3	Fatigue test programme for a freight bogie with a central pivot and two sidebearers (category B-V)	51
G.3.1	General.....	51
G.3.2	Vertical loads.....	51
G.3.3	Transverse loads.....	51
G.4	Fatigue test programme for locomotive bogies (category B-VII)	53
G.5	Fatigue test programme for bogies of light rail vehicles and trams (category B-IV)	53
	Annex ZA (informative) Relationship between this European Standard and the Essential Requirements of EU Directive 2016/797/EU aimed to be covered.....	54
	Bibliography	56

European foreword

This document (EN 13749:2021+A1:2023) has been prepared by Technical Committee 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 May 2024, and conflicting national standards shall be withdrawn at the latest by May 2024.

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 10 October 2023.

This document supersedes A1 EN 13749:2021 A1.

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

The general scope and requirements of EN 13749 are unaltered by this revision. Changes were necessary to mainly correct errors in some formulae and textural corrections in line with the CEN rules.

Informative annexes in this standard give additional information that is not mandatory but intended to assist the understanding or use of the document.

NOTE Informative annexes sometimes contain optional requirements. For instance, a test method that is optional, or expressed as an example, contains requirements but there is no need to comply with these requirements to claim compliance with the document.

This document has been prepared under a standardization request addressed to CEN by the European Commission. The Standing Committee of the EFTA States subsequently approves these requests for its Member States.

For the relationship with EU Legislation, see informative Annex ZA, which is an integral part of this document.

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 organizations 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 13749:2021+A1:2023 (E)**1 Scope**

This document specifies the method to be followed to achieve a satisfactory design of bogie frames and includes design procedures, assessment methods, verification and manufacturing quality requirements. It is limited to the structural requirements of bogie frames including bolsters and axlebox housings. For the purpose of this document, these terms are taken to include all functional attachments, e.g. damper brackets.

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 15085-1:2007+A1:2013, *Railway applications - Welding of railway vehicles and components - Part 1: General*

EN 15085-2:2007, *Railway applications - Welding of railway vehicles and components - Part 2: Quality requirements and certification of welding manufacturer*

EN 15085-3:2007, *Railway applications - Welding of railway vehicles and components - Part 3: Design requirements*

EN 15085-4:2007, *Railway applications - Welding of railway vehicles and components - Part 4: Production requirements*

EN 15085-5:2007, *Railway applications - Welding of railway vehicles and components - Part 5: Inspection, testing and documentation*

EN 15663:2017+A1:2018, *Railway applications - Vehicle reference masses*

EN 15827:2011, *Railway applications - Requirements for bogies and running gears*

koniec náhľadu – text ďalej pokračuje v platenej verzii STN