

DIN EN 13749



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Supersedes
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**Railway applications –
Wheelsets and bogies –
Method of specifying the structural requirements of bogie frames;
English version EN 13749:2021,
English translation of DIN EN 13749:2021-05**

Bahnanwendungen –
Radsätze und Drehgestelle –
Festlegungsverfahren für Festigkeitsanforderungen an Drehgestellrahmen;
Englische Fassung EN 13749:2021,
Englische Übersetzung von DIN EN 13749:2021-05

Applications ferroviaires –
Essieux montés et bogies –
Méthode pour spécifier les exigences en matière de résistance des structures de châssis de bogie;
Version anglaise EN 13749:2021,
Traduction anglaise de DIN EN 13749:2021-05

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In case of doubt, the German-language original shall be considered authoritative.

A comma is used as the decimal marker.

National foreword

This document (EN 13749:2021) has been prepared by Technical Committee CEN/TC 256 “Railway applications” (Secretariat: DIN, Germany).

The responsible German body involved in its preparation was *DIN-Normenausschuss Fahrweg und Schienenfahrzeuge* (DIN Standards Committee Railway), Working Committee NA 087-00-04 AA “Strength/Crashworthiness”.

For current information on this document, please go to DIN’s website (www.din.de) and search for the document number in question.

Amendments

This standard differs from DIN EN 13749:2011-06 as follows:

- a) in line with the CEN rules, symbols and units have been moved from the normative text to the informative Annex A, as they are only relevant for the other informative annexes;
- b) the former informative Annex C has been deleted, and a reference to EN 15663, which covers vehicle reference masses, has been included instead;
- c) the informative Annex E has been revised to present analytical strength assessment in accordance with EN 15827;
- d) in the informative Annex C, some errors in formulae and load case examples have been corrected;
- e) in the informative Annex D, the design requirements for loads due to attached components have been revised to reflect current practice;
- f) in the informative Annexes C , D, F and G, more emphasis is now given to restrictions to load case examples and to the fact that the loads should only be used if their applicability to specific designs can be shown;
- g) the standard has been editorially revised.

Previous editions

DIN EN 13749: 2005-07, 2011-06

English Version

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of bogie frames

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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.

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European foreword

This document (EN 13749:2021) 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 September 2021, and conflicting national standards shall be withdrawn at the latest by September 2021.

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 13749:2011.

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 given to CEN by the European Commission and the European Free Trade Association, and supports essential requirements of EU Directive 2016/797/EC.

For relationship with EU Directive 2016/797/EC, see informative Annex ZA, which is an integral part of this document.

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