



BSI Standards Publication

Railway applications — Welding of railway vehicles and components

Part 2: Requirements for welding manufacturer

This is a preview of "BS EN 15085-2:2020". [Click here to purchase the full version from the ANSI store.](#)

National foreword

This British Standard is the UK implementation of EN 15085-2:2020. It supersedes BS EN 15085-2:2007, which is withdrawn.

The UK participation in its preparation was entrusted to Technical Committee RAE/3/-/11, Railway Applications - Structural requirements and Welding.

A list of organizations represented on this committee can be obtained on request to its committee manager.

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

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Amendments/corrigenda issued since publication

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English Version

Railway applications - Welding of railway vehicles and components - Part 2: Requirements for welding manufacturer

Applications ferroviaires - Soudage des véhicules et des composants ferroviaires - Partie 2 : Exigences de qualité du constructeur

Bahnanwendungen - Schweißen von Schienenfahrzeugen und -fahrzeugteilen - Teil 2: Anforderungen an Schweißbetriebe

This European Standard was approved by CEN on 24 August 2020.

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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.

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

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European foreword

This document (EN 15085-2:2020) 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of an identical text or by endorsement, at the latest by April 2021, and conflicting national standards shall be withdrawn at the latest by April 2021.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 15085-2:2007. The main changes compared to the previous edition are listed below:

- a) Requirements for certification of manufacturer have been deleted;
- b) Classification levels and activities of manufacturers have been defined.

This series of European Standards EN 15085 "*Railway applications - Welding of railway vehicles and components*" consists of the following parts:

- *Part 1: General;*
- *Part 2: Requirements for welding manufacturers;*
- *Part 3: Design requirements;*
- *Part 4: Production requirements;*
- *Part 5: Inspection, testing and documentation;*
- *Part 6: Maintenance welding requirements.*

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.

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Introduction

Welding is a special process in the manufacture of railway vehicles and their parts.

The general requirements for welding process control are defined in the EN ISO 3834 and EN ISO 14554 series of standards. The EN 15085 series of standards supplements those requirements and defines special requirements for the construction and maintenance of railway vehicles.

This document can also be used by internal and external parties, including accredited certification bodies, to assess the organization's ability to meet customer, regulatory and the organization's own requirements.

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1 Scope

This document defines the classification levels for welded components, the types of activity typically undertaken and the requirements to be fulfilled to demonstrate conformance.

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, *Railway applications - Welding of railway vehicles and components - Part 1: General*

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

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

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

EN 15085-6,¹ *Railway applications - Welding of railway vehicles and components - Part 6: Maintenance welding requirements*

EN ISO 3834 (all parts), *Quality requirements for fusion welding of metallic materials*

EN ISO 14554 (all parts), *Quality requirements for welding - Resistance welding of metallic materials*

EN ISO 14731:2019, *Welding coordination - Tasks and responsibilities (ISO 14731:2019)*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in EN 15085-1 and the following apply.

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>

¹ Under preparation. Stage at the time of publication: prEN 15085-6.