Irish Standard
I.S. EN 16432-3:2021

Railway applications - Ballastless track systems - Part 3: Acceptance

I.S. EN 16432-3:2021

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National Foreword

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EUROPEAN STANDARD

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EN 16432-3

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English Version

Railway applications - Ballastless track systems - Part 3: Acceptance

Applications ferroviaires - Systèmes de voies sans ballast - Partie 3 : Réception

Bahnanwendungen - Feste Fahrbahn - Teil 3: Abnahme

This European Standard was approved by CEN on 13 September 2021.

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European foreword

This document (EN 16432-3:2021) 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of an identical text or by endorsement, at the latest by May 2022, and conflicting national standards shall be withdrawn at the latest by May 2022.

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1 Scope

This document specifies the implementation of ballastless track system designs and the criteria for the acceptance of works concerning construction of ballastless track systems. It does not include any criteria for inspecting, maintaining, repairing and replacing ballastless track systems during operation.

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 206, *Concrete — Specification, performance, production and conformity*

EN 12390-5, *Testing hardened concrete — Part 5: Flexural strength of test specimens*

EN 13231-1:2013, *Railway applications — Track — Acceptance of works — Part 1: Works on ballasted track — Plain line, switches and crossings*

EN 13848-2, *Railway applications — Track — Track geometry quality — Part 2: Measuring systems — Track recording vehicles*

EN 13848-6:2014+A1:2020, *Railway applications — Track — Track geometry quality — Part 6: Characterisation of track geometry quality*

EN 13877-2, *Concrete pavements — Part 2: Functional requirements for concrete pavements*

EN 14587 (all parts), *Railway applications — Infrastructure — Flash butt welding of new rails*

EN 14730 (all parts), *Railway applications — Track — Aluminothermic welding of rails*

EN 16432-1:2017, *Railway applications — Ballastless track systems — Part 1: General requirements*

EN 16432-2:2017, *Railway applications — Ballastless track systems — Part 2: System design, subsystems and components*

3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

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

— ISO Online browsing platform: available at https://www.iso.org/obp

— IEC Electropedia: available at https://www.electropedia.org/

3.1
tolerance
permissible deviation from reference or specified value

3.2
relative track geometry
group of parameters defining the position of the rails, usually the following: track gauge, alignment, longitudinal level, twist and cross level