

STN	Železnice Koľaj Kvalita geometrie koľaje Časť 5: Geometrické stupne kvality Koľaj, výhybky a križovania	STN EN 13848-5 73 6315
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Railway applications - Track - Track geometry quality - Part 5: Geometric quality levels - Plain line, switches and crossings

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

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 01/18

Obsahuje: EN 13848-5:2017

Oznámením tejto normy sa ruší
STN EN 13848-5+A1 (73 6315) z októbra 2010

126111

Úrad pre normalizáciu, metrológiu a skúšobníctvo Slovenskej republiky, 2018
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EUROPEAN STANDARD

EN 13848-5

NORME EUROPÉENNE

EUROPÄISCHE NORM

August 2017

ICS 93.100

Supersedes EN 13848-5:2008+A1:2010

English Version

Railway applications - Track - Track geometry quality - Part 5: Geometric quality levels - Plain line, switches and crossings

Applications ferroviaires - Voie - Qualité géométrique
de la voie - Partie 5 : Niveaux de la qualité géométrique
de la voie - Voie courante et appareils de voie

Bahnanwendungen - Oberbau - Qualität der
Gleisgeometrie - Teil 5: Geometrische Qualitätsstufen -
Gleise, Weichen und Kreuzungen

This European Standard was approved by CEN on 13 July 2017.

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COMITÉ EUROPÉEN DE NORMALISATION
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CEN-CENELEC Management Centre: Avenue Marnix 17, B-1000 Brussels

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European foreword

This document (EN 13848-5:2017) 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of an identical text or by endorsement, at the latest by February 2018, and conflicting national standards shall be withdrawn at the latest by February 2018.

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 13848-5:2008+A1:2010.

This document has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association, and supports essential requirements of EU Directive 2008/57/EC.

For relationship with EU Directive 2008/57/EC, see informative Annex ZA, which is an integral part of this document.

This European Standard is one of the series EN 13848 *Railway applications – Track – Track geometry quality* as listed below:

- *Part 1: Characterization of track geometry*
- *Part 2: Measuring systems – Track recording vehicles*
- *Part 3: Measuring systems – Track construction and maintenance machines*
- *Part 4: Measuring systems – Manual and light weight devices*
- *Part 5: Geometric quality levels – Plain line, switches and crossings*
- *Part 6: Characterization of track geometry quality*

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1 Scope

This European Standard defines the minimum requirements for the quality levels of track geometry, and specifies the safety related limits for each parameter as defined in EN 13848-1 and measured by any track geometry measurement system as defined in EN 13848-2, EN 13848-3 and EN 13848-4.

This European Standard covers the following topics:

- immediate action limits (IAL);
- recommendations on tolerance levels for isolated defects;
- relative importance of parameters with respect to the vehicle behaviours.

The necessity to measure, the frequency of measurements and the selection of measured parameters are not covered by this European Standard.

This European Standard applies to high-speed and conventional lines, including switches and crossings, of 1 435 mm and wider gauge railways provided that the vehicles operated on those lines comply with EN 14363 and other vehicle safety standards.

This European Standard does not apply to Urban Rail Systems.

2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

EN 13848-1:2003+A1:2008, *Railway applications - Track - Track geometry quality - Part 1: Characterisation of track geometry*

EN 14363:2016, *Railway applications - Testing and Simulation for the acceptance of running characteristics of railway vehicles - Running Behaviour and stationary tests*

EN 13803:2017, *Railway applications - Track - Track alignment design parameters - Track gauges 1 435 mm and wider*

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