

RAUDTEEALASED RAKENDUSED. RÖÖBASTEE. TÖÖDE
VASTUVÕTMINE. OSA 5: RÖÖBASTE REPROFILEERIMISE
PROTSEDUURID RÖÖBASTEEL, PÖÖRMETEL, RISTETEL
JA ÜLEMINEKUTEL

Railway applications - Track - Acceptance of works -
Part 5: Procedures for rail reprofiling in plain line,
switches, crossings and expansion devices

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

See Eesti standard EVS-EN 13231-5:2018 sisaldab Euroopa standardi EN 13231-5:2018 ingliskeelset teksti.	This Estonian standard EVS-EN 13231-5:2018 consists of the English text of the European standard EN 13231-5:2018.
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English Version

**Railway applications - Track - Acceptance of works - Part
5: Procedures for rail reprofiling in plain line, switches,
crossings and expansion devices**

Applications ferroviaires - Voie - Réception des travaux
- Partie 5 : Procédures pour le reprofilage de rails en
voie courante, en appareil de voie et en appareil de
dilatation

Bahnanwendungen - Oberbau - Abnahme von Arbeiten
- Teil 5: Prozedere zur Schienen-Reprofilierung in
Gleisen, Weichen, Kreuzungen und Schienenauszügen

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European foreword

This document (EN 13231-5:2018) 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of an identical text or by endorsement, at the latest by December 2018, and conflicting national standards shall be withdrawn at the latest by December 2018.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 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 document is one of the series EN 13231, *Railway applications — Track — Acceptance of works* as listed below:

- *Part 1: Works on ballasted track - Plain line, switches and crossings;*
- *Part 3: Acceptance of reprofiling rails in track;*
- *Part 4: Acceptance of reprofiling rails in switches and crossings;*
- *Part 5: Procedures for rail reprofiling in plain line, switches, crossings and expansion devices (the present document).*

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, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

1 Scope

This document specifies the procedure for planning and execution of rail reprofiling work including description of rail surface defects. It concerns work in both plain lines and switches and crossings generally done with machines according to the EN 14033 series and EN 15746 series.

It applies to vignole railway rails of 46 kg/m and above according to EN 13674-1.

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 13231-3:2012, *Railway applications — Track — Acceptance of works — Part 3: Acceptance of reprofiling rails in track*

EN 13231-4:2013, *Railway applications — Track — Acceptance of works — Part 4: Acceptance of reprofiling rails in switches and crossings*

3 Terms and definitions

For the purposes of this document the terms and definitions given in EN 13231-3:2012 and EN 13231-4:2013 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 <http://www.iso.org/obp>

3.1

anti-head check profile

AHC Profile

rail head profile with a geometry to prevent and reduce head checking

3.2

rolling contact fatigue

RCF

rail damage caused by the complex stresses that are characteristic of rail wheel contact

3.3

head checking

HC

small parallel cracks on the rail head near or on the gauge corner

3.4

Belgrospi

network of cracks developing on the rail head of track with speed greater than 160 km/h affected by short pitch corrugation

3.5

squat

rolling contact fatigue defect whose main characteristics are a blackish patch on rail head, a lateral flow of steel and a collapsed and widened rolling band