

**Railway applications - Track - Acceptance
of works - Part 3: Acceptance of rail
grinding, milling and planing work in track**

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Part 3: Acceptance of rail grinding, milling and
planing work in track

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

<p>Käesolev Eesti standard EVS-EN 13231-3:2006 sisaldab Euroopa standardi EN 13231-3:2006 ingliskeelset teksti.</p> <p>Käesolev dokument on jõustatud 29.06.2006 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.</p> <p>Standard on kättesaadav Eesti standardiorganisatsioonist.</p>	<p>This Estonian standard EVS-EN 13231-3:2006 consists of the English text of the European standard EN 13231-3:2006.</p> <p>This document is endorsed on 29.06.2006 with the notification being published in the official publication of the Estonian national standardisation organisation.</p> <p>The standard is available from Estonian standardisation organisation.</p>
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<p>Käsitlusala:</p> <p>This part of this European Standard lays down the technical requirements and the measurements to be made for the acceptance of work to re-profile both longitudinally and transversely the heads of railway rails, including the parts of switches and crossings that can be reprofiled.</p>	<p>Scope:</p> <p>This part of this European Standard lays down the technical requirements and the measurements to be made for the acceptance of work to re-profile both longitudinally and transversely the heads of railway rails, including the parts of switches and crossings that can be reprofiled.</p>
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English Version

**Railway applications - Track - Acceptance of works - Part 3:
Acceptance of rail grinding, milling and planing work in track**

Applications ferroviaires - Voie - Réception des travaux -
Partie 3: Critères de réception des travaux de meulage,
fraisage et rabotage des rails en voie

Bahnanwendungen - Oberbau - Abnahme von Arbeiten -
Teil 3: Abnahme von Schleif-, Fräs- und Hobelarbeiten an
Schienen im Gleis

This European Standard was approved by CEN on 13 April 2006.

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Foreword

This document (EN 13231-3:2006) 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 November 2006, and conflicting national standards shall be withdrawn at the latest by November 2006.

This European Standard is one of the series EN 13231 "*Railway applications – Track – Acceptance of works*" as listed below:

- *Part 1: Works on ballasted track - Plain line*
- *Part 2: Works on ballasted track - Switches and crossings*
- *Part 3: Acceptance of rail grinding, milling and planing work in track*

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.

1 Scope

This part of this European Standard lays down the technical requirements and the measurements to be made for the acceptance of work to re-profile both longitudinally and transversely the heads of railway rails, including the parts of switches and crossings that can be reprofiled.

For acceptance purposes, two classes of longitudinal profile and three classes of transverse profile tolerance are defined.

It also informs about procedures to verify reference instruments to be used for these measurements and informs about a method to approve non-reference instruments to be used for measurements.

It applies to reprofiled vignole railway rails 40 kg/m and above.

A form of acceptance documentation that may be used is given in Annex C.

2 Normative references

The following referenced documents are indispensable for the application 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 ISO 3274, *Geometrical product specifications (GPS) – Surface texture: Profile method – Nominal characteristics of contact (stylus) instruments (ISO 3274:1996)*

EN ISO 4287, *Geometrical product specifications (GPS) – Surface texture: Profile method – Terms, definitions and surface texture parameters (ISO 4287:1997)*

EN ISO 4288, *Geometrical product specifications (GPS) – Surface texture: Profile method – Rules and procedures for the assessment of surface texture (ISO 4288:1996)*

EN ISO 11562:1997, *Geometrical product specifications (GPS) – Surface texture: Profile method – Metrological characteristics of phase correct filters (ISO 11562:1996)*

ISO 3611, *Micrometer callipers for external measurement*

3 Terms and definitions

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

3.1

angle of inclination of rail

the nominal angle at which rail is laid (see Figure 1(b)) e.g. 0° (vertical rails), 2,86° (1:20 inclination), 1,91° (1:30 inclination) etc., inclined towards the centre of the track

NOTE For rail which is laid in non-canted track, the angle of inclination of the rail is equal to the angle between the vertical and the centre-line of the inclined rail.

3.2

approved instrument

instrument for measurement of longitudinal or transverse profile the usage of which is justified by correlation of its performance with that of a reference instrument in accordance with the agreement between the contractor and the customer (an example is given in Annex B)