



SLOVENSKI STANDARD
oSIST prEN 16729-1:2026
01-april-2026

**Železniške naprave - Infrastruktura - Neporušitveno preskušanje na progi - 1. del:
Zahteve za ultrazvočni pregled in merila za ovrednotenje**

Railway applications - Infrastructure - Non-destructive testing on rails in track - Part 1:
Requirements for ultrasonic inspection and evaluation principles

Bahnanwendungen - Infrastruktur - Zerstörungsfreie Prüfung an Schienen im Gleis - Teil
1: Anforderungen an Ultraschallprüfungen und Bewertungsgrundlagen

Applications ferroviaires - Infrastructure - Essais non destructifs sur les rails de voie -
Partie 1 : Exigences pour l'inspection par ultrasons et les principes d'évaluation

Ta slovenski standard je istoveten z: prEN 16729-1

[oSIST prEN 16729-1:2026](https://standards.slovenski-institut.si/standards/sist/9f75c33b-4379-4618-979d-11f733cc96a3/osist-pr-en-16729-1-2026)

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ICS:

19.100	Neporušitveno preskušanje	Non-destructive testing
93.100	Gradnja železnic	Construction of railways

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en,fr,de

EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

DRAFT
prEN 16729-1

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ICS 93.100

Will supersede EN 16729-1:2016

English Version

Railway applications - Infrastructure - Non-destructive testing on rails in track - Part 1: Requirements for ultrasonic inspection and evaluation principles

Applications ferroviaires - Infrastructure - Essais non destructifs sur les rails de voie - Partie 1 : Exigences pour l'inspection par ultrasons et les principes d'évaluation

Bahnanwendungen - Infrastruktur - Zerstörungsfreie Prüfung an Schienen im Gleis - Teil 1: Anforderungen an Ultraschallprüfungen und Bewertungsgrundlagen

This draft European Standard is submitted to CEN members for enquiry. It has been drawn up by the Technical Committee CEN/TC 256.

If this draft becomes a European Standard, CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration.

This draft European Standard was established by CEN 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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Recipients of this draft are invited to submit, with their comments, notification of any relevant patent rights of which they are aware and to provide supporting documentation.

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

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

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Document Preview

[oSIST prEN 16729-1:2026](https://standards.iteh.ai)

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European foreword

This document (prEN 16729-1:2026) has been prepared by Technical Committee CEN/TC 256 “Railway applications”, the secretariat of which is held by DIN.

This document is currently submitted to the CEN Enquiry.

This document will supersede EN 16729-1:2016.

prEN 16729-1:2026 includes the following significant technical changes with respect to EN 16729-1:2016:

- a) Normative references have been updated;
- b) Terms and definitions have been revised;
- c) General requirements, requirements on testing in track, testing speed and simulation of internal reflectors have been revised;
- d) Requirements on detection of artificial reflectors have been revised;
- e) Requirements on detection of artificial reflectors have been revised;
- f) Requirements on control of positioning accuracy have been revised;
- g) Normative Annex A has been revised;
- h) Informative Annex B has been revised;
- i) Annex ZA has been removed;
- j) Bibliography has been updated.

A list of all parts in the EN 16729 series consists of:

- EN 16729-1, *Railway applications — Infrastructure — Non-destructive testing on rails in track — Part 1: Requirements for ultrasonic inspection and evaluation principles*;
- EN 16729-2, *Railway applications — Infrastructure — Non-destructive testing on rails in track — Part 2: Eddy current testing of rails in track*;
- EN 16729-3, *Railway applications — Infrastructure — Non-destructive testing on rails in track — Part 3: Requirements for identifying internal and surface rail defects*;
- EN 16729-4, *Railway applications — Infrastructure — Non-destructive testing on rails in track — Part 4: Qualification of personnel for non-destructive testing on rails*;
- EN 16729-5, *Railway applications — Infrastructure — Non-destructive testing on rails in track — Part 5: Non-destructive testing on welds in track*;
- CEN/TR 16729-6, *Railway applications — Infrastructure — Non-destructive testing on rails in track — Part 6: Non-destructive testing of manganese cast steel components in switches and crossings*.

prEN 16729-1:2026 (E)

Introduction

This document represents the actual state of the art of automated ultrasonic testing of rails in track applied by European railway companies.

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