

DIN EN 16729-2



ICS 93.100

**Railway applications –
Infrastructure –
Non-destructive testing on rails in track – Part 2: Eddy current testing of
rails in track;
English version EN 16729-2:2020,
English translation of DIN EN 16729-2:2020-05**

Bahnanwendungen –
Infrastruktur –
Zerstörungsfreie Prüfung an Schienen im Gleis – Teil 2: Wirbelstromprüfung an Schienen im
Gleis;
Englische Fassung EN 16729-2:2020,
Englische Übersetzung von DIN EN 16729-2:2020-05

Applications ferroviaires –
Infrastructure –
Test non-destructive sur des rails;
Version anglaise EN 16729-2:2020,
Traduction anglaise de DIN EN 16729-2:2020-05

Document comprises 34 pages

Translation by DIN-Sprachendienst.

In case of doubt, the German-language original shall be considered authoritative.

A comma is used as the decimal marker.

National foreword

This document (EN 16729-2:2020) has been prepared by Technical Committee CEN/TC 256 “Railway applications” (Secretariat: DIN, Germany).

The responsible German body involved in its preparation was *DIN-Normenausschuss Fahrweg und Schienenfahrzeuge* (DIN Standards Committee Railway), Subcommittee NA 087-00-01-12 UA “Monitoring and treatment of rails”.

English Version

Railway applications - Infrastructure - Non-destructive testing on rails in track - Part 2: Eddy current testing of rails in track

Applications ferroviaires - Infrastructure - Test non-destructive sur des rails

Bahnanwendungen - Infrastruktur - Zerstörungsfreie Prüfung an Schienen im Gleis - Teil 2:
Wirbelstromprüfung an Schienen im Gleis

This European Standard was approved by CEN on 15 December 2019.

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. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN-CENELEC Management Centre or to any CEN member.

This European Standard exists 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.

CEN members are the national standards bodies of Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and United Kingdom.



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

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

Contents

Page

European foreword.....	3
Introduction	4
1 Scope	5
2 Normative references	5
3 Terms and definitions	5
4 Symbols and abbreviations	9
5 Basic principles.....	9
5.1 General.....	9
5.2 Purpose of testing	9
6 Requirements for the eddy current testing system on rails.....	10
7 Requirements for testing procedure	10
8 Requirements for documentation.....	11
Annex A (normative) System acceptance of eddy current systems for detecting head checks	12
A.1 General.....	12
A.2 Requirements for detecting and sizing head checks	12
Bibliography.....	32