DIN EN 14730-1

ICS 25.160.10; 93.100

Supersedes
DIN EN 14730-1:2010-12

Railway applications – Track – Aluminothermic welding of rails – Part 1: Approval of welding processes; English version EN 14730-1:2017, English translation of DIN EN 14730-1:2017-06

Bahnanwendungen –
Oberbau –
Aluminothermisches Schweißen von Schienen – Teil 1: Zulassung der Schweißverfahren;
Englische Fassung EN 14730-1:2017,
Englische Übersetzung von DIN EN 14730-1:2017-06

Applications ferroviaires –
Voie –
Soudage des rails par aluminothermie – Partie 1: Approbation des procédés de soudage;
Version anglaise EN 14730-1:2017,
Traduction anglaise de DIN EN 14730-1:2017-06

Document comprises 44 pages

Translation by DIN-Sprachendienst.

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

06.17 2680193

A comma is used as the decimal marker.

National foreword

This document 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 087-00-01-01 UA “Welding of rails”.

This standard is based on the English reference version.

Amendments

This standard differs from DIN EN 14730-1:2010-12 as follows:

a) Clause 4 “Information to be supplied by the railway authority” has been revised;

b) Table 1 “Rail profile groups” has been revised and “Group 4” has been deleted;

c) Figure 2 “Ground collar surface” has been deleted;

d) Table 5 “Ranges for running surface hardness tests” and Table 7 “Chemical composition” have been revised and extended by rail grades R370CrHT and R400HT;

e) Annex C “Ultrasonic inspection procedure on aluminothermic welds to be sectioned” has been revised, details on the setup for testing have been deleted and the Annex has been included as new Annex G;

f) Annex E “Procedure for measurement” has been included as Annex D;

g) Annex J “Fatigue test methods for aluminothermic welds” has been revised and calibration procedures have been deleted;

h) the standard has been editorially revised.

Previous editions

DIN EN 14730-1: 2006-10, 2010-12

EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN 14730-1

March 2017

ICS 25.160.10; 93.100

Supersedes EN 14730-1:2006+A1:2010

English Version

Railway applications - Track - Aluminothermic welding of rails - Part 1: Approval of welding processes

Applications ferroviaires - Voie - Soudage des rails par aluminothermie - Partie 1: Approbation des procédés de soudage

Bahnanwendungen - Oberbau - Aluminothermisches Schweißen von Schienen - Teil 1: Zulassung der Schweißverfahren

This European Standard was approved by CEN on 13 August 2016.

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, 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 United Kingdom.

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

CEN-CENELEC Management Centre: Avenue Marnix 17, B-1000 Brussels

Ref. No. EN 14730-1:2017 E

Contents

Page