BRITISH STANDARD

BS EN 13146-4:2002

Incorporating Amendment No. 1

Railway applications — Track — Test methods for fastening systems —

Part 4: Effect of repeated loading

The European Standard EN 13146-4:2002, with the incorporation of amendment A1:2006, has the status of a British Standard

ICS 93.100

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National foreword

This British Standard is the official English language version of EN 13146-4:2002, including amendment A1:2006.

The start and finish of text introduced or altered by amendment is indicated in the text by tags ▌A1⟩ ⟨A1▌. Tags indicating changes to CEN text carry the number of the CEN amendment. For example, text altered by CEN amendment A1 is indicated in the text by ▌A1⟩ ⟨A1▌.

The UK participation in its preparation was entrusted to Technical Committee RAE/2, Railway track components, which has the responsibility to:

— aid enquirers to understand the text;

— present to the responsible international/European committee any enquiries on the interpretation, or proposals for change, and keep the UK interests informed;

— monitor related international and European developments and promulgate them in the UK.

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This British Standard, having been prepared under the direction of the Engineering Sector Policy and Strategy Committee, was published under the authority of the Standards Policy and Strategy Committee on 28 November 2002

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EUROPEAN STANDARD

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English version

Railway applications - Track - Test methods for fastening systems - Part 4: Effect of repeated loading

Applications ferroviaires - Voie - Méthodes d'essai pour les systèmes de fixation - Partie 4: Effets produits par des charges répétitives

Bahnanwendungen - Oberbau - Prüfverfahren für Schienenbefestigungssysteme - Teil 4: Dauerschwingversuch

This European Standard was approved by CEN on 2 October 2002.

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Foreword

This document (EN 13146-4:2002) 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of an identical text or by endorsement, at the latest by May 2003, and conflicting national standards shall be withdrawn at the latest by May 2003.

This document has been prepared under mandates (M/024[1]), M/275[2])) given to CEN by the European Commission and the European Free Trade Association, and supports essential requirements of EU Directive(s). No existing European Standard is superseded.

This European Standard is one of the series EN 13146 as listed below :

¾ *Part 1 : Determination of longitudinal rail restraint*

¾ *Part 2 : Determination of torsional resistance*

¾ *Part 3 : Determination of attenuation of impact loads*

¾ *Part 4 : Effect of repeated loading*

¾ *Part 5 : Determination of electrical resistance*

¾ *Part 6 : Effect of severe environmental conditions*

¾ *Part 7 : Determination of clamping force*

¾ *Part 8 : In service testing*

These support the requirements in the series EN 13481 Railway applications — Track — Performance requirements for fastening systems — Parts 1 to 7.

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[1]) Railway equipment.

[2]) Standardization in the field of Railway Equipment on the Interoperability of the Trans-European High-Speed Rail System.

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Foreword to amendment A1

This document (EN 13146-4:2002/A1:2006) has been prepared by Technical Committee CEN/TC 256 “Railway applications”, the secretariat of which is held by DIN.

This Amendment to the European Standard EN 13146-4:2002 shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by February 2007, and conflicting national standards shall be withdrawn at the latest by February 2007.

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