NSAI Standards

Irish Standard
I.S. EN 13146-8:2012

Railway applications - Track - Test methods for fastening systems - Part 8: In service testing

I.S. EN 13146-8:2012

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NSAI
1 Swift Square,
Northwood, Santry
Dublin 9

T +353 1 807 3800
F +353 1 807 3838
E standards@nsai.ie

W **NSAI.ie**

Sales:
T +353 1 857 6730
F +353 1 857 6729
W standards.ie

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Applications ferroviaires - Voie - Méthodes d'essai pour les systèmes de fixation - Partie 8: Essai en service

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EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
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Management Centre: Avenue Marnix 17, B-1000 Brussels

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Foreword

This document (EN 13146-8:2012) 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of an identical text or by endorsement, at the latest by October 2012, and conflicting national standards shall be withdrawn at the latest by October 2012.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN [and/or CENELEC] shall not be held responsible for identifying any or all such patent rights.

This document supersedes EN 13146-8:2002.

This document has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association.

No major changes have been made in this revision of EN 13146-8:2002.

This European Standard is one of the series EN 13146 "*Railway applications — Track — Test methods for fastening systems*" which consists of the following parts:

— *Part 1: Determination of longitudinal rail restraint;*

— *Part 2: Determination of torsional resistance;*

— *Part 3: Determination of attenuation of impact loads;*

— *Part 4: Effect of repeated loading;*

— *Part 5: Determination of electrical resistance;*

— *Part 6: Effect of severe environmental conditions;*

— *Part 7: Determination of clamping force;*

— *Part 8: In service testing;*

— *Part 9: Determination of stiffness.*

These support the requirements in the series EN 13481 "Railway applications — Track — Performance requirements for fastening systems".

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: 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, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

Introduction

As fastening systems are safety critical, there is a need to have a standardized procedure to evaluate their performance in normal use. Performance in track is not always completely predicted from the laboratory tests in EN 13146, Parts 1 to 7 and 9.

The test described in this part of EN 13146 is intended to provide a procedure which can be used to compare the performance in track of new or modified fastening systems with systems whose performance is known.

In accordance with EN 13481-2:2012, EN 13481-3:2012, EN 13481-4:2012, EN 13481-5:2012 and EN 13481-7:2012, this test has to be performed when required by the user.