

# SVENSK STANDARD

## SS-EN 13146-7:2019



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### **Järnvägar – Spår – Provningsmetoder för befästningssystem – Del 7: Bestämning av klämkraft och höjnings stelhet**

### **Railway applications – Track – Test methods for fastening systems – Part 7: Determination of clamping force and uplift stiffness**

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Europastandarden EN 13146-7:2019 gäller som svensk standard. Detta dokument innehåller den officiella engelska versionen av EN 13146-7:2019.

Denna standard ersätter SS-EN 13146-7:2012, utgåva 2.

The European Standard EN 13146-7:2019 has the status of a Swedish Standard. This document contains the official version of EN 13146-7:2019.

This standard supersedes the SS-EN 13146-7:2012, edition 2.

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EUROPEAN STANDARD

EN 13146-7

NORME EUROPÉENNE

EUROPÄISCHE NORM

January 2019

ICS 93.100

Supersedes EN 13146-7:2012

English Version

## Railway applications - Track - Test methods for fastening systems - Part 7: Determination of clamping force and uplift stiffness

Applications ferroviaires - Voie - Méthodes d'essai pour les systèmes de fixation - Partie 7 : Détermination de l'effort d'application au patin et de la raideur de soulèvement

Bahnanwendungen - Oberbau - Prüfverfahren für Schienenbefestigungssysteme - Teil 7: Bestimmung der Spannkraft und Abhebesteifigkeit

This European Standard was approved by CEN on 19 November 2018.

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.

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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**

**SS-EN 13146-7:2019 (E)**

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## European foreword

This document (EN 13146-7:2019) 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 July 2019, and conflicting national standards shall be withdrawn at the latest by July 2019.

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

This document supersedes EN 13146-7:2012.

Compared with EN 13146-7:2012, the following changes have been made:

- a) update of the European foreword;
- b) adaptation of normative references;
- c) revised Clause 7 and added adjustments to the loading for systems with or without interlayers / intermediate plates;
- d) editorially revised.

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 and uplift stiffness;*
- *Part 8: In service testing;*
- *Part 9: Determination of stiffness;*
- *Part 10: Proof load test for pull-out resistance.*

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

## **SS-EN 13146-7:2019 (E)**

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