ICS 45.080 SLOVENSKÁ TECHNICKÁ NORMA Jún 2024

STN	**Železničná infraštruktúra Systémy upevňovania koľajníc Časť 8: Skúšobná metóda na vertikálnu tuhosť (ISO 22074-8: 2022)**	**STN EN ISO 22074-8** 73 6331

Railway infrastructure - Rail fastening systems - Part 8: Test method for vertical stiffness (ISO 22074-8:2022)

Táto norma obsahuje anglickú verziu európskej normy.
This standard includes the English version of the European Standard.

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 05/24

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EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN ISO 22074-8

March 2024

ICS 45.080

English Version

Railway infrastructure - Rail fastening systems - Part 8: Test method for vertical stiffness (ISO 22074-8:2022)

Infrastructure ferroviaire - Systèmes de fixation du rail - Partie 8: Méthode d'essai de la raideur verticale (ISO 22074-8:2022)

Bahninfrastruktur - Schienenbefestigungssysteme - Teil 8: Bestimmung der vertikalen Steifigkeiten (ISO 22074-8:2022)

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Contents

Page

European foreword

The text of ISO 22074-8:2022 has been prepared by Technical Committee ISO/TC 269 “Railway applications” of the International Organization for Standardization (ISO) and has been taken over as EN ISO 22074-8:2024 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of an identical text or by endorsement, at the latest by September 2024, and conflicting national standards shall be withdrawn at the latest by September 2024.

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The text of ISO 22074-8:2022 has been approved by CEN as EN ISO 22074-8:2024 without any modification.

INTERNATIONAL STANDARD

ISO 22074-8

First edition
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Railway infrastructure — Rail fastening systems —

Part 8: Test method for vertical stiffness

Infrastructure ferroviaire — Systèmes de fixation du rail —

Partie 8: Méthode d'essai de la raideur verticale

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Contents

Page

Foreword

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This document was prepared by Technical Committee ISO/TC 269, *Railway applications*, Subcommittee SC 1, *Infrastructure*.

A list of all parts in the ISO 22074 series can be found on the ISO website.

Any feedback or questions on this document should be directed to the user’s national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.

Introduction

This document brings together test methods for measuring the stiffness of pads and fastening assemblies under static and low-frequency dynamic loading.

No method for testing at frequencies above 30 Hz is included. Methods for assessing stiffness at higher frequencies can be found in other standards, including EN 15461 and EN 17495.

INTERNATIONAL STANDARD **ISO 22074-8:2022(E)**

Railway infrastructure — Rail fastening systems —

Part 8: Test method for vertical stiffness

1 Scope

This document specifies laboratory test procedures to determine the static and low-frequency dynamic stiffness of rail pads, baseplate pads and complete rail fastening assemblies.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 7500-1:2018, *Metallic materials — Calibration and verification of static uniaxial testing machines — Part 1: Tension/compression testing machines — Calibration and verification of the force-measuring system*

ISO 9513:2012, *Metallic materials — Calibration of extensometer systems used in uniaxial testing*

ISO 22074-1, *Railway infrastructure — Rail fastening systems — Part 1: Vocabulary*