ICS 45.080 SLOVENSKÁ TECHNICKÁ NORMA Jún 2024

STN	**Železničná infraštruktúra Systémy upevňovania koľajníc Časť 2: Skúšobná metóda pozdĺžneho odporu proti putovaniu koľajníc (ISO 22074-2: 2021)**	**STN EN ISO 22074-2** 73 6331

Railway infrastructure - Rail fastening systems - Part 2: Test method for longitudinal rail restraint (ISO 22074-2:2021)

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 22074-2

March 2024

ICS 45.080

English Version

Railway infrastructure - Rail fastening systems - Part 2: Test method for longitudinal rail restraint (ISO 22074-2:2021)

Infrastructure ferroviaire - Systèmes de fixation du rail - Partie 2: Méthode d'essai pour la détermination de résistance longitudinale au glissement (ISO 22074-2:2021)

Bahninfrastruktur - Schienenbefestigungssysteme - Teil 2: Prüfverfahren für den Durchschubwiderstand in Längsrichtung (ISO 22074-2:2021)

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European foreword

The text of ISO 22074-2:2021 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 22074-2:2024 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of an identical text or by endorsement, at the latest by September 2024, and conflicting national standards shall be withdrawn at the latest by September 2024.

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INTERNATIONAL STANDARD

ISO 22074-2

First edition
2021-03

Railway infrastructure — Rail fastening systems —

Part 2: Test method for longitudinal rail restraint

Infrastructure ferroviaire — Systèmes de fixation du rail —

Partie 2: Méthode d'essai pour la détermination de résistance longitudinale au glissement

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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.

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INTERNATIONAL STANDARD **ISO 22074-2:2021(E)**

Railway infrastructure — Rail fastening systems —

Part 2: Test method for longitudinal rail restraint

1 Scope

This document specifies the laboratory test procedure to determine:

a) the maximum longitudinal force that can be applied to a rail, secured to a sleeper, bearer or element of ballastless track by a rail fastening assembly, without non-elastic displacement of the rail occurring, or the longitudinal stiffness at a specified longitudinal displacement of a specimen of embedded rail with an adhesive fastening system, and for any type of fastening;

b) the shear displacement and slip data required for track-bridge interaction calculations.

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

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*

