

STN	Železničná infraštruktúra Systémy upevňovania koľajníc Časť 7: Skúšobná metóda na upínaciu silu a tuhosť zdvihu (ISO 22074-7: 2021)	STN EN ISO 22074-7 73 6331
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Railway infrastructure - Rail fastening systems - Part 7: Test method for clamping force and uplift stiffness (ISO 22074-7:2021)

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

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Railway infrastructure - Rail fastening systems - Part 7: Test method for clamping force and uplift stiffness (ISO 22074-7:2021)

Infrastructure ferroviaire - Systèmes de fixation du rail
- Partie 7: Méthode d'essai pour la détermination de
l'effort d'application au patin du rail et la rigidité au
soulèvement (ISO 22074-7:2021)

Bahninfrastruktur - Schienenbefestigungssysteme -
Teil 7: Prüfverfahren zur Bestimmung der Spannkraft
und der Abhebesteifigkeit (ISO 22074-7:2021)

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EN ISO 22074-7:2024 (E)

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European foreword

The text of ISO 22074-7:2021 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 22074-7:2024 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of an identical text or by endorsement, at the latest by September 2024, and conflicting national standards shall be withdrawn at the latest by September 2024.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

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Railway infrastructure — Rail fastening systems —

Part 7: Test method for clamping force and uplift stiffness

Infrastructure ferroviaire — Systèmes de fixation du rail —

*Partie 7: Méthode d'essai pour la détermination de l'effort
d'application au patin du rail et la rigidité au soulèvement*



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Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular, the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

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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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Railway infrastructure — Rail fastening systems —

Part 7:

Test method for clamping force and uplift stiffness

1 Scope

This document specifies the laboratory test procedure for determining the clamping force exerted by the fastening system on the foot of the rail by measuring the force to separate the rail foot from its immediate support. When required, the procedure is also used to determine the uplift stiffness of the fastening system.

It is applicable to systems with and without baseplates on all types of sleepers, bearers or elements of ballastless track. The test does not determine the security of the fastening components fixed into the sleeper or other fastening system support.

This test procedure applies to a complete fastening assembly. It is not applicable to fastening systems for embedded rail or other fastening systems which do not act on the foot of the rail.

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

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