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Execution of steel structures and aluminium structures - Reuse of structural steel

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. 01/25

Táto predbežná slovenská technická norma je určená na overenie. Prípadné pripomienky pošlite do októbra 2026 Úradu pre normalizáciu, metrológiu a skúšobníctvo Slovenskej republiky.

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English Version

Execution of steel structures and aluminium structures - Reuse of structural steel

Ausführung von Stahltragwerken und
Aluminiumtragwerken - Wiederverwendung von
tragenden Stahlbauteilen

This Technical Specification (CEN/TS) was approved by CEN on 5 August 2024 for provisional application.

The period of validity of this CEN/TS is limited initially to three years. After two years the members of CEN will be requested to submit their comments, particularly on the question whether the CEN/TS can be converted into a European Standard.

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CEN/TS 1090-201:2024 (E)

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European foreword

This document (CEN/TS 1090-201:2024) has been prepared by Technical Committee CEN/TC 135 “Execution of steel structures and aluminium structures”, the secretariat of which is held by SN.

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CEN/TS 1090-201:2024 (E)**Introduction**

This document specifies requirements for the use of reclaimed structural components in steel structures designed according to the EN 1993 series and executed according to EN 1090-2.

This document presupposes that the work is carried out with the necessary knowledge and adequate equipment and resources to perform the work in accordance with the execution specification and the requirements of this document.

1 Scope

This document gives complementary provisions to EN 1090-2 for the use of reclaimed structural components for the execution of steel structures to EXC1, EXC2 and EXC3 (see EN 1090-2). The provisions apply to products used in structures to be designed (see EN 1993-1-1) for quasi-static loading and not subject to fatigue loading.

NOTE 1 The conditions of implementation of this document in a country are at the discretion of the national Standardization Body. Non contradictory requirements, e.g. with regard to seismic loading, can be added.

This document gives requirements for the reusability assessment of reclaimed structural components and constituent products.

This document also gives requirements for the quality assessment of plates, hot rolled profiles and hot finished or cold formed hollow sections in carbon steel used as constituent products (see EN 1090-2). This includes the declaration of mechanical and geometrical properties as well as weldability.

NOTE 2 The properties to be declared are those listed as required relevant properties to be specified as described in EN 1090-2:2018+A1:2024, Clause 5.1.

The requirements on quality assessment in this document also apply to the assessment of the mechanical and geometrical properties as well as weldability of fabricated products. The recommendations for the assessment of connections however, and in particular of welds, are non exhaustive and only informative.

This document does not apply to cold-formed structural steel sections and sheeting as described in EN 1090-4, or mechanical fasteners.

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.

EN 1090-2:2018+A1:2024, *Execution of steel structures and aluminium structures - Part 2: Technical requirements for steel structures*

EN 1993-1-1, *Eurocode 3 - Design of steel structures - Part 1-1: General rules and rules for buildings*

EN ISO 6892-1, *Metallic materials - Tensile testing - Part 1: Method of test at room temperature (ISO 6892-1)*

EN 10219 (all parts), *Cold formed welded steel structural hollow sections of non-alloy and fine grain steels*

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