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Cranes - Loader cranes - Interface between loader cranes and work platforms

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. 07/24

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

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TECHNICAL SPECIFICATION

CEN/TS 17471

SPÉCIFICATION TECHNIQUE

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English Version

Cranes - Loader cranes - Interface between loader cranes and work platforms

Appareils de levage à charge suspendue - Grues de
chargement - Interface entre les grues de chargement
et les plates-formes de travail

Krane - Ladekrane - Schnittstelle zwischen Ladekranen
und Arbeitsbühnen

This Technical Specification (CEN/TS) was approved by CEN on 29 January 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.

CEN members are required to announce the existence of this CEN/TS in the same way as for an EN and to make the CEN/TS available promptly at national level in an appropriate form. It is permissible to keep conflicting national standards in force (in parallel to the CEN/TS) until the final decision about the possible conversion of the CEN/TS into an EN is reached.

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CEN/TS 17471:2024 (E)

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European foreword

This document (CEN/TS 17471:2024) has been prepared by Technical Committee CEN/TC 147, “Cranes - Safety”, the secretariat of which is held by DIN.

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Any feedback and questions on this document should be directed to the users’ national standards body. A complete listing of these bodies can be found on the CEN website.

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CEN/TS 17471:2024 (E)**Introduction**

Machinery within the scope of EN 12999:2020 can be equipped with a work platform as interchangeable equipment. Machinery designed for handling of goods which is equipped with a work platform as interchangeable equipment is within the scope of EN 280-1:2022.

However, EN 280-1:2022 does not cover hazards arising from machineries allowing several uses, nor does it cover the specific hazards related to the combination of a work platform as interchangeable equipment with a basic machinery within the scope of EN 12999:2020.

The machinery concerned and the extent to which hazards are covered by this document are indicated in the scope of this document.

This document is of particular relevance for the following stakeholder groups:

- machine manufacturers (small, medium and large enterprises);
- health and safety bodies (regulators, accident prevention organizations, market surveillance, etc.).

1 Scope

This document specifies technical requirements for the interface of the basic machinery within the scope of EN 12999 equipped to allow the use of an assigned type of work platform as interchangeable equipment where the combination of the basic machinery and the work platform as interchangeable equipment is within the scope of EN 280-1.

The basic machinery covered by this document is designed to be installed on a road vehicle with load carrying capability. The combination of the basic machinery and the work platform as interchangeable equipment covered by this document belongs to Group B Type 1 class as in the scope of EN 280-1.

The basic machinery covered by this document allows two modes of operation:

- the “CRANE” mode of operation, for the use of the basic machinery as a loader crane within the scope of EN 12999;
- the “MEWP” mode of operation, for the use of the work platform with the basic machinery as within the scope of EN 280-1.

This document covers hazards related to switching between “CRANE” and “MEWP” mode as described above and covers the specific hazards related with the combination and the assembly of the work platform as interchangeable equipment with the basic machinery (see Annex A).

This document does not address hazards which may occur:

- a) when using work platform not assembled with the lifting machinery but simply lifted by the machinery (e.g. suspended from the hook of the crane);
- b) when using attachments not intended for the lifting of persons.

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 12999:2020, *Cranes — Loader cranes*

EN 280-1:2022, *Mobile elevating work platforms — Part 1: Design calculations — Stability criteria — Construction — Safety — Examinations and tests*

EN ISO 12100:2010, *Safety of machinery — General principles for design — Risk assessment and risk reduction (ISO 12100:2010)*

EN ISO 13849-1:2023, *Safety of machinery — Safety-related parts of control systems — Part 1: General principles for design (ISO 13849-1:2023)*

EN ISO 4413:2010, *Hydraulic fluid power — General rules and safety requirements for systems and their components (ISO 4413:2010)*

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