

STN	Pojazdné zdvíhacie pracovné plošiny Časť 2: Dodatočné bezpečnostné požiadavky na zdvíhadlá nákladu umiestnené na výsuvnej zdvíhacej konštrukcii a pracovnej plošine	STN EN 280-2 27 5004
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Mobile elevating work platforms - Part 2: Additional safety requirements for load lifting appliances on the extending lifting structure and work platform

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

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Mobile elevating work platforms - Part 2: Additional safety requirements for load lifting appliances on the extending lifting structure and work platform

Plates-formes élévatrices mobiles de personnel - Partie 2 :
Exigences de sécurité supplémentaires pour des appareils
de levage fixés à la structure extensible ou à la plate-forme
de travail

Fahrbahre Hubarbeitsbühnen - Teil 2: Zusätzliche
Sicherheitsanforderung für Lastaufnahmemittel an
Hubeinrichtung und Arbeitsbühne

This European Standard was approved by CEN on 12 December 2021.

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EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

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EN 280-2:2022 (E)

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European foreword

This document (EN 280-2:2022) has been prepared by Technical Committee CEN/TC 98 “Lifting platforms”, 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of an identical text or by endorsement, at the latest by August 2022, and conflicting national standards shall be withdrawn at the latest by August 2022.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN shall not be held responsible for identifying any or all such patent rights.

This document has been prepared under a Standardization Request given to CEN by the European Commission and the European Free Trade Association, and supports essential requirements of EU Directive(s).

For relationship with EU Directive(s), see informative Annex ZA, which is an integral part of this document.

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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EN 280-2:2022 (E)**Introduction**

This document is a harmonized standard to provide one means for Mobile Elevating Work Platforms (MEWPs) of Type 1, equipped with a load lifting appliance and designed for lifting suspended loads, to conform to the essential health and safety requirements of the Machinery Directive 2006/42/EC.

This document is a type C standard as stated in EN ISO 12100:2010.

When provisions of this type C standard are different from those which are stated in type A or B standards, the provisions of this type C standard take precedence over the provisions of the other standards, for machines that have been designed and built according to the provisions of this type C standard.

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

1 Scope

This document, which is to be used in conjunction with EN 280-1:2022, specifies the additional safety requirements for MEWPs of Type 1 Group B equipped with a load lifting appliance. The load-lifting appliance is designed for lifting suspended loads only as part of the task being carried out by personnel from the work platform. This document deals with the additional hazards, hazardous situations and events relevant to load lifting appliances either on the extending lifting structure or on the work platform, when the MEWP and load lifting appliance are used as intended and under conditions of misuse which are reasonably foreseeable by the manufacturer of the MEWP. The significant hazards covered by this document are listed in Annex A.

This document does not cover the following:

- a) the use of a MEWP for lifting persons as a suspended load;
- b) the use of a MEWP for lifting suspended loads from a control position other than the work platform;
- c) requirements for lifting accessories;
- d) lifting or lowering of suspended loads for general materials handling as carried out by a crane;
- e) MEWPs compliant with EN 280-1:2022, 4.4.1.5 and/or 4.4.1.6 (enhanced stability and overload criteria);
- f) MEWPS others than Type1 Group B.

Load lifting appliance can be:

- g) fixed load attachment points on the work platform or on the extending lifting structure where the load can be positioned in reach of the personnel on the platform;
- h) lifting equipment for lifting or lowering the load with a stationary platform. The equipment is attached to the work platform or extending structure and may have a load lifting jib.

NOTE The lifting equipment can be either permanently attached or removable.

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

EN 13001-2:2021, *Crane safety - General design - Part 2: Load actions*

EN 14492-2:2019, *Cranes - Power driven winches and hoists - Part 2: Power driven hoists*

EN 60204-32:2008, *Safety of machinery - Electrical equipment of machines - Part 32: Requirements for hoisting machines (IEC 60204 32:2008)*

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

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EN ISO 13850:2015, *Safety of machinery - Emergency stop function - Principles for design (ISO 13850:2015)*

EN ISO 13854:2019, *Safety of machinery - Minimum gaps to avoid crushing of parts of the human body (ISO 13854:2017)*

EN ISO 13857:2019, *Safety of machinery - Safety distances to prevent hazard zones being reached by upper and lower limbs (ISO 13857:2019)*

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