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**Žerjavi - Konstrukcija, splošno - 3-5. del: Mejna stanja in dokaz varnosti kovanih in litih kavljev**

Cranes - General design - Part 3-5: Limit states and proof of competence of forged and cast hooks

Krane - Konstruktion allgemein - Teil 3-5: Grenzzustände und Sicherheitsnachweis von geschmiedeten und gegossenen Haken

Appareils de levage à charge suspendue - Conception générale - Partie 3-5 : États limites et vérification des crochets forgés et moulés

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**Cranes - General design - Part 3-5: Limit states and proof  
of competence of forged and cast hooks**

Appareils de levage à charge suspendue - Conception  
générale - Partie 3-5 : États limites et vérification des  
crochets forgés et moulés

Krane - Konstruktion allgemein - Teil 3-5:  
Grenzzustände und Sicherheitsnachweis von  
geschmiedeten und gegossenen Haken

This European Standard was approved by CEN on 17 November 2025.

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**CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels**

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## European foreword

This document (EN 13001-3-5:2025) has been prepared by Technical Committee CEN/TC 147 “Crane — Safety”, the secretariat of which is held by SFS.

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of an identical text or by endorsement, at the latest by June 2026 and conflicting national standards shall be withdrawn at the latest by June 2026.

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 supersedes EN 13001-3-5:2016+A1:2021.

This document has been prepared under a standardization request addressed to CEN by the European Commission. The Standing Committee of the EFTA States subsequently approves these requests for its Member States.

For the relationship with EU Legislation, see informative Annex ZA and Annex ZB, which are integral parts of this document.

The major changes in this document compared to EN 13001-3-5:2016+A1:2021 are:

- move of technical content of Clauses 4.1.3, 4.2 and 4.3 into informative annexes;
- removal of the concept “Cold forming by proof loading” out of the standard;
- changes in 6.5.4, 6.5.5 and 6.6.4 regarding design factors for fatigue design;
- move of Clauses 7 and 8 into informative annexes;

- recalculated numeric values in Annex E due to changes of design factors;

- changes in Annex ZA, addition of a new Annex ZB for Regulation (EU) 2023/1230.

This European Standard is one part of the EN 13001 series. The other parts are as follows:

- *Part 1: General principles and requirements*
- *Part 2: Load actions*
- *Part 3-1: Limit states and proof of competence of steel structures*
- *Part 3-2: Limit states and proof of competence of wire ropes in reeving systems*
- *Part 3-3: Limit states and proof of competence of wheel/rail contacts*
- *Part 3-4: Limit states and proof of competence of machinery — Bearings<sup>1</sup>*
- *Part 3-6: Limit states and proof of competence of machinery — Hydraulic cylinders*

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<sup>1</sup> Under revision.