



SLOVENSKI STANDARD
SIST EN 1090-1:2009/FprA1:2011
01-september-2011

Izvedba jeklenih konstrukcij in aluminijastih konstrukcij - 1. del: Zahteve za ugotavljanje skladnosti sestavnih delov konstrukcij

Execution of steel structures and aluminium structures - Part 1: Requirements for conformity assessment of structural components

Ausführung von Stahltragwerken und Aluminiumtragwerken - Teil 1:
Konformitätsnachweisverfahren für tragende Bauteile

Exécution des structures en acier et des structures en aluminium — Partie 1: Exigences pour l'évaluation de la conformité des éléments structuraux

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Ta slovenski standard je istoveten z: EN 1090-1:2009/FprA1

ICS:

91.080.10 Kovinske konstrukcije Metal structures

SIST EN 1090-1:2009/FprA1:2011 en,fr,de

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

FINAL DRAFT
EN 1090-1:2009

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English Version

Execution of steel structures and aluminium structures - Part 1: Requirements for conformity assessment of structural components

Exécution des structures en acier et des structures en
aluminium - Partie 1: Exigences pour l'évaluation de la
conformité des éléments structuraux

Ausführung von Stahltragwerken und Aluminiumtragwerken
- Teil 1: Konformitätsnachweisverfahren für tragende
Bauteile

This draft amendment is submitted to CEN members for unique acceptance procedure. It has been drawn up by the Technical Committee CEN/TC 135.

This draft amendment A1, if approved, will modify the European Standard EN 1090-1:2009. If this draft becomes an amendment, CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for inclusion of this amendment into the relevant national standard without any alteration.

This draft amendment was established by CEN in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the CEN-CENELEC Management Centre has the same status as the official versions.

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Recipients of this draft are invited to submit, with their comments, notification of any relevant patent rights of which they are aware and to provide supporting documentation.

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

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Contents

Page

Foreword.....	3
1 Modifications to 4.5.1	4
2 Addition of 4.5.5	4
3 Modification to 6.2	4
4 Modification to 6.3.7	4
5 Modifications to ZA.1	5
6 Modifications to ZA.3.3	5
7 Modifications to ZA.3.5	5

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Foreword

This document (EN 1090-1:2009/FprA1:2011) has been prepared by Technical Committee CEN/TC 135 "Execution of steel structures and aluminium structures", the secretariat of which is held by SN.

This document is currently submitted to the Unique Acceptance Procedure.

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EN 1090-1:2009/FprA1:2011 (E)

1 Modifications to 4.5.1

In the 1st paragraph, replace "load bearing capacity" with "load bearing capacity, deformation at serviceability limit state,".

Delete the note.

2 Addition of 4.5.5

Add the following new sub-clause 4.5.5:

"4.5.5 Deformation at serviceability limit state

The deformations at serviceability limit state determined by using the appropriate combination of actions shall be within the required limits for vertical and horizontal deformations specified in the design assumptions and/or European Standards (e.g. National Determined Parameters, NDP, of the National Annex of EN 1990, EN 1993, EN 1994 and/or EN 1999)."

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3 Modification to 6.2

In Table 1, add the following new 7th row after the row regarding "Fatigue strength"
 " [SIST EN 1090-1:2009/FprA1:2011](https://standards.iteh.ai/catalog/standards/sist/b58687ae-2561-45d4-b821-f305c4dd2cb4/sist-en-1090-1-2009-fprA1-2011)
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Deformation at serviceability limit state ^b	4.5.5	Calculation to relevant Part of EN 1990, EN 1993, EN 1994, EN 1999 or structural testing to relevant European Technical Specification ^b	1 ^a	5.6
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4 Modification to 6.3.7

In Table 2, row 6, replace the existing text of the first column with "Structural characteristics governed by the structural design (load bearing capacity, deformation at serviceability limit state, fatigue strength, resistance to fire)".

5 Modifications to ZA.1

In the 1st paragraph:

NOTE The modifications below implies the deletion of the correction of EN 1090-1:2009/AC:2010 which was made as a provisional correction in order for the document to be cited in the OJEU in 2010 before the publication of this amendment, but which is replaced by this amendment.

Delete Note 1.

Replace "Note 2" with "Note 1".

Replace "Note 3" with "Note 2".

In Table ZA.1

In Table ZA.1, add the following new 6th row before the row regarding "Fatigue strength".

"

1	Deformation in serviceability limit state ^b	4.5.5	This characteristic may be declared according to the method given in ZA.3.3.
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"

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6 Modifications to ZA.3.3

In the 1st paragraph, add the following new 9th dash after "load bearing capacity"

— "deformation at serviceability limit state;"

In Figure ZA.3, add "Deformation at serviceability limit state: NPD" before "Fatigue strength: NPD".

7 Modifications to ZA.3.5

In the 1st paragraph, add the following new 10th dash after "load bearing capacity"

— "deformation at serviceability limit state;"

In Figure ZA.5, add "Deformation at serviceability limit state: See accompanying design brief and design calculations. DC 501/06" before "Fatigue strength: RW 302".