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EN 1993-1-10:2005/AC

NORME EUROPÉENNE

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English version
Version Française
Deutsche Fassung

Eurocode 3: Design of steel structures - Part 1-10: Material toughness and through-thickness properties

Eurocode 3 - Calcul des structures en acier
- Partie 1-10 : Choix des qualités d'acier

Eurocode 3: Bemessung und Konstruktion
von Stahlbauten - Teil 1-10:
Stahlsortenauswahl im Hinblick auf
Bruchzähigkeit und Eigenschaften in
Dickenrichtung

This corrigendum becomes effective on 25 March 2009 for incorporation in the three official language versions of the EN.

Ce corrigendum prendra effet le 25 mars 2009 pour incorporation dans les trois versions linguistiques officielles de la EN.

Die Berichtigung tritt am 25.März 2009 zur Einarbeitung in die drei offiziellen Sprachfassungen der EN in Kraft.



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

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Ref. No.: EN 1993-1-10:2005/AC:2009 D/E/F

Rakennustuoteteollisuus. Käyttö sallittu vain standardien laadintaan. 17.04.2009

Modifications due to EN 1993-1-10:2005/AC:2005

1) Modifications to Subclause 2.1

The corrections are to add a "P" after the clause number and replace "should" with "shall" where appropriate. The corrections are underlined as shown.

'2.1 General'

"(3)P The rules shall be applied to the properties of materials specified for the toughness quality in the relevant steel product standard. Material of a less onerous grade shall not be used even though test results show compliance with the specified grade."

Modifications due to EN 1993-1-10:2005/AC:2009

2) Modification to Subclause 1.2

Paragraph '(1)', delete:

"

EN 10155 Structural steels with improved atmospheric corrosion resistance - Technical delivery conditions;

".

3) Modifications to Subclause 1.3.1

Change "K_V-value" into: "KV-value".

Change "The K_V (Charpy V-Notch)-value..." into: "The KV (Charpy V-Notch)-value..."

Delete: "A_V(T)".

4) Modification to Subclause 1.3.2

Change "A_V(T) " into: "KV(T)".

5) Modification to Subclause 1.3.3

'Figure 1.1', change "A_V(T)" into: "KV(T)".

6) Modification to Subclause 1.3.4

Change "A_V" into : "KV".

7) Modifications to Subclause 1.4

Change "A_V(T)" into: "KV(T)".

Add:

"

K stress intensity factor

"

Change the definition for 'K_{IC}' into:

"

K_{IC} plane strain fracture toughness for linear elastic behaviour measured in N/mm^{3/2}

"

(to be consistent with 1.3.6).

8) Modification to Subclause 2.2

Paragraph '(5)', 'NOTE 2', change "stress intensity function" into: "stress intensity factor function" at the two occurrences of this expression in the note.

9) Modification to Subclause 2.3.1

Paragraph '(1)', change "K_V-value" into: "KV-value".

Paragraph '(2)', delete: "EN 10155,".

10) Modifications to Subclause 2.3.2

'Table 2.1', 1st row, 3rd column, change "Charpy energy CVN" into: "KV".

'Table 2.1', 'NOTE 2', change "T_{AV}" into: "T_{KV}".

'Table 2.1', 'NOTE 3', change "Charpy energy values CVN" into: "KV-values".

11) Modifications to Subclause 2.4

Paragraph '(1)', change "K_V-values" into: "KV-values".

Paragraph '(2)', change Equation '(2.7)' into: " $T_{Ed} \geq T_{Rd}$ ".

Paragraph '(3)', change "The assumed flaw should be located at the position of adverse stress concentration" into: "The assumed flaw should be located at the position of the most adverse stress concentration".

12) Modification to Subclause 3.1

Paragraph '(3)', change "if the strain in the joint acts" into: "if the strain in the connection acts".

13) Modification to Subclause 3.2

'Table 3.2', 3rd column, 1st row at the top, heading, delete: "=" and divide this cell into two cells with a vertical line continuing the one subdividing the rows below, so that the new cell on the left bears the title "Effective weld depth a_{eff} (see Figure 3.2)" and the new cell on the right bears the title "Throat thickness a of fillet welds", thus:

"

Table 13.1: Criteria affecting the target value of Z_{Ed}

a)	Weld depth relevant for straining from metal shrinkage	Effective weld depth a_{eff} (see Figure 3.2)	Throat thickness a of fillet welds	Z_i
		$a_{eff} \leq 7\text{mm}$	$a = 5\text{ mm}$	$Z_a = 0$
		$7 < a_{eff} \leq 10\text{mm}$	$a = 7\text{ mm}$	$Z_a = 3$
		$10 < a_{eff} \leq 20\text{mm}$	$a = 14\text{ mm}$	$Z_a = 6$
		$20 < a_{eff} \leq 30\text{mm}$	$a = 21\text{ mm}$	$Z_a = 9$
		$30 < a_{eff} \leq 40\text{mm}$	$a = 28\text{ mm}$	$Z_a = 12$
		$40 < a_{eff} \leq 50\text{mm}$	$a = 35\text{ mm}$	$Z_a = 15$
		$50 < a_{eff}$	$a > 35\text{ mm}$	$Z_a = 15$

(...)

“