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Eurokod 3: Dimensionering av stålkonstruktioner – Del 1-5: Plåtbalkar

Eurocode 3: Design of steel structures – Part 1-5: Plated structural elements

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Europastandarden EN 1993-1-5:2006/AC:2009 gäller som svensk standard. Detta dokument innehåller den engelska versionen av EN 1993-1-5:2006/AC:2009.

The European Standard EN 1993-1-5:2006/AC:2009 has the status of a Swedish Standard. This document contains the official English version of EN 1993-1-5:2006/AC:2009.

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EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN 1993-1-5:2006/AC

April 2009

ICS 91.010.30; 91.080.10

English version

Eurocode 3 - Design of steel structures - Part 1-5: Plated structural elements

Eurocode 3 - Calcul des structures en acier - Partie 1-5: Plaques planes

Eurocode 3 - Bemessung und Konstruktion von Stahlbauten - Teil 1-5: Plattenförmige Bauteile

This corrigendum becomes effective on 1 April 2009 for incorporation in the three official language versions of the EN.

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

Management Centre: Avenue Marnix 17, B-1000 Brussels

1) Modification to Subclause 1.4

Change the definition for "b_w" *into:* "clear width between welds for welded sections or between ends of radii for rolled sections"*.*

2) Modification to Subclause 2.3

Paragraph '(2)'*, change* "if the condition in 3.1 is fulfilled" *into:* "if the condition in 2.2(5) is fulfilled"*.*

3) Modification to Subclause 2.6

Paragraph '(1)'*,* 'NOTE'*, delete:* "plate"*.*

4) Modifications to Subclause 3.2.1

Title of the subclause, change "Effective width" *into:* "Effective[s] width"*.*

Paragraph '(1)'*, change in the last sentence* "This effective width may" *into:* "This effective[s] width may".

5) Modification to Subclause 3.2.2

Paragraph '(1)'*,* 'Figure 3.3'*, change* "with the effective width" *into:* "with the effective[s] width".

6) Modifications to Subclause 3.2.3

Paragraph '(1)'*, Equation* '(3.2)'*, change* "$a_{st,l}$" *into:* "$a_{st,1}$"*.*

Paragraph '(1)'*, Equation* '(3.2)'*, first line of the paragraph beginning with* 'where:'*, change* "area of the stiffeners smeared" *into:* "area of the directly loaded stiffeners divided"*.*

Paragraph '(1)'*, Equation* '(3.2)'*, 2nd sentence under* 'where:'*, change* "This may be taken, conservatively, as the area of the stiffeners divided by the spacing s_{st};" *into:* "This may be taken as the area of a stiffener smeared over the length of the spacing s_{st};"*.*

Paragraph '(1)'*, Equation* '(3.2)'*, add to the list under* 'where:'*:*

"

s_e is the length of the stiff bearing;

s_{st} is the spacing of stiffeners;

"*.*

7) Modification to Subclause 4.2

Paragraph '(1)'*, change* "using the effective areas" *into:* "using the effective[p] areas"*.*

8) Modification to Subclause 4.3

Paragraph '(6)'*, entry* 'b)'*, delete:* "(rather than f_{yw})"*.*

9) Modifications to Subclause 4.4

Paragraph '(2)', *Equation* '(4.2)', *change* "$\bar{\lambda}_p \le 0{,}673$" *into:* "$\bar{\lambda}_p \le 0{,}5+\sqrt{0.085-0.055\psi}$".

Paragraph '(2)', *Equation* '(4.2)', *change* "$\bar{\lambda}_p > 0{,}673$" *into:* "$\bar{\lambda}_p > 0{,}5+\sqrt{0.085-0.055\psi}$".

Paragraph '(2)', *Equation* '(4.2)', *delete:* ", where $(3+\psi) \ge 0$".

'Table 4.1', *second row from the bottom, change* "-1 > ψ > -3" *into:* "-1 > $\psi \ge$ -3".

10) Modifications to Subclause 4.5.1

Paragraph '(2)', *last line, change* "ρ" *into:* "ρ_c".

Paragraph '(3)', *change* "section areas" *into:* "section area".

11) Modification to Subclause 4.5.3

Paragraph '(3)', 'NOTE', *change* "b_{s11}" *into:* "$b_{s\ell,1}$".

12) Modifications to Subclause 4.6

Paragraph '(1)', *change* "for uniaxial bending" *into:* "for compression and uniaxial bending".

Paragraph '(1)', 'NOTE', *change* "e_{yN}" *into:* "$e_{y,N}$".

Paragraph '(1)', 'NOTE', *change* "e_{zN}" *into:* "$e_{z,N}$".

13) Modifications to Subclause 5.3

Paragraph '(3)', *first line, change* "slenderness parameter" *into:* "modified slenderness".

Paragraph '(3)', 'NOTE 2', *change* "slenderness parameter" *into:* "modified slenderness".

Paragraph '(5)', *change two times* "slenderness parameter" *into:* "modified slenderness".

14) Modifications to Subclause 6.5

Paragraph '(3)', *change* "equations (6.11), (6.12) and (6.13)" *into:* "equations (6.11) and (6.12)".

Paragraph '(3)', *Equation* '(6.13)', *add before* 'l_e = ...(6.13)' *the word:* "where".

15) Modification to Subclause 6.6

Paragraph '(1)', *change the reference to* "6.2(2)" *into:* "6.2(1)".

16) Modification to Subclause 7.1

Paragraph '(1)', *add after the equation for* '$\overline{\eta_3}$': "for $V_{bw,Rd}$ see expression (5.2)."

17) Modification to Subclause 9.2.4

'Figure 9.4', *change* "$\leqslant \frac{h_s}{4}$" *into:* "$\leq \frac{h_s}{4}$".

18) Modifications to Clause 10

Paragraph '(3)', *change* "plate slenderness" *into:* "modified plate slenderness".

Paragraph '(5)', *entry* 'a)', *change* "slenderness" *into:* "modified plate slenderness".

Paragraph '(5)', *entry* 'a)', *change reference to* "5.2(1)" *into:* "5.3(1)".

Paragraph '(6)', *below Equation* '(10.6)', *change* "$\tau_{cr,\tau}$" *into:* "τ_{cr}".

Paragraph '(6)', *below Equation* '(10.6)', *change* "$\tau_{\tau,Ed}$" *into:* "τ_{Ed}".

19) Modifications to Clause A.1

Paragraph '(2)', 'NOTE 3', *change* "the width b in" *into:* "the width *b* in".

Paragraph '(2)', *below Equation* '(A.2)', *change* "$\delta = \frac{\Sigma A_{sl}}{A_p}$" *into:* "$\delta = \frac{A_{sl}}{A_p}$".

Paragraph '(2)', *below Equation* '(A.2)', *under* "where:", *change* "$= \frac{bt^3}{12(1-\upsilon^2)} = \frac{bt^3}{10,92}$" *into:* "$= \frac{bt^3}{12(1-\nu^2)} = \frac{bt^3}{10,92}$".

Paragraph '(2)', *below Equation* '(A.2)', *under* "where:", *change* "ΣA_{sl}" *into:* "A_{sl}".

Paragraph '(2)', 'Figure A.1', *change in the top right text* "stiffeners" *into:* "stiffener".

Paragraph '(2)', 'Figure A.1', *change in the top right text* "columns" *into:* "column".

Paragraph '(2)', 'Figure A.1', *change in the figure* "$b_{s1,1}$" *into:* "$b_{s\ell,1}$".

20) Modifications to Subclause A.2.1

Paragraph '(6)', 'Figure A.2', *change* "$A_{sl,1}$" *into:* "$A_{s\ell,1}$".

Paragraph '(7)', *list entry* 'a)', *change* "I_{sl}" *into:* "$I_{s\ell}$".

21) Modification to Subclause A.2.2

Paragraph '(1)', *Equation* '(A.4)', *second line of the equation, change* "$a \leq a_c$" *into:* "$a < a_c$".

Paragraph '(1)', *delete the final* 'NOTE'.