EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

# EN 1993-1-5:2006/AC

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English version
Version Française
Deutsche Fassung

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.

Ce corrigendum prendra effet le 1 avril 2009 pour incorporation dans les trois versions linguistiques officielles de la EN.

Die Berichtigung tritt am 1.April 2009 zur Einarbeitung in die drei offiziellen Sprachfassungen der EN in Kraft.

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

**Management Centre: Avenue Marnix 17, B-1000 Brussels**



Ref. No.:EN 1993-1-5:2006/AC:2009 D/E/F

## 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 > $\psi$ > -3" *into:* "-1 > $\psi$ $\ge$ -3".

## 10) Modifications to Subclause 4.5.1

*Paragraph* '(2)', *last line, change* "$\rho$" *into:* "$\rho_c$".

*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:* "$\tau_{cr}$".

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

## 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* "$\Sigma A_{sl}$" *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'.

## 22) Modification to Clause A.3

*Paragraph* '(1)', *below Equation* '(A.5)', *under* "where:", *change* "For webs with two or more" *into:* "For webs with".

## 23) Modifications to Clause B.2

*Paragraph* '(1)', *change* " $\alpha_{crit}$ " *into:* " $\alpha_{cr}$ ".

*Paragraph* '(1)', *definition of* " $\alpha_{cr}$ ", *change* "elastic critical resistance" *into:* "elastic critical loading".

## 24) Modification to Clause D.1

'Figure D.1', *left-hand sketch, delete symbol* "$b_t$".

## 25) Modifications to Subclause D.2.1

*Paragraph* '(1)', *first line, and Equation* '(D.1)', *change two times* "$M_{Rd}$" *into:* "$My,_{Rd}$".

*Paragraph* '(2)', *change* "The buckling factor $k_\sigma$ should be taken as the larger of:" *into:* " The buckling factor $k_\sigma$ should be taken as the larger of a) and b):".

*Paragraph* '(2)', *list entry* 'b)', *delete* "where $b = \frac{b_1}{2}$ ".

## 26) Modifications to Subclause D.2.2

*Paragraph* '(1)', *first line and Equation* '(D.4)', *change* "$V_{Rd}$" *into:* "$V_{bw,Rd}$".

*Equations* '(D.6)' *and* '(D.9)', *change* "$f_y$" *into:* "$f_{yw}$".