

# SVENSK STANDARD

## SS-EN 1993-2:2006/AC:2013



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### **Eurokod 3 – Dimensionering av stålkonstruktioner – Del 2: Broar**

### **Eurocode 3 – Design of steel structures – Part 2: Steel Bridges**

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The European Standard EN 1993-2:2006/AC:2009 has the status of a Swedish Standard. This document contains the official English version of EN 1993-2:2006/AC:2009.

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EUROPEAN STANDARD

**EN 1993-2:2006/AC**

NORME EUROPÉENNE

EUROPÄISCHE NORM

July 2009

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ICS 91.010.30; 91.080.10; 93.040

English version

Eurocode 3 - Design of steel structures - Part 2: Steel Bridges

Eurocode 3 - Calcul des structures en acier  
- Partie 2: Ponts métalliques

Eurocode 3 - Bemessung und konstruktion  
von Stahlbauten - Teil 2: Stahlbrücken

This corrigendum becomes effective on 22 July 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**

## **SS-EN 1993-2:2006/AC:2013 (E)**

### **1) Modification to "National annex for EN 1993-2"**

*2<sup>nd</sup> paragraph, list of national choice, replace "6.2.2.4(1)" with "6.2.2.5(1)".*

### **2) Modification to 3.3.1.1**

*Paragraph "(1)", replace "2.8: Group 4" with "1.2.4: Group 4".*

### **3) Modifications to 3.3.1.2**

*Paragraph "(1)", replace "2.8: Group 4" with "1.2.4: Group 4".*

*Paragraph "(1)", replace "2.8: Group 7" with "1.2.7: Group 7".*

### **4) Modification to 3.3.1.3**

*Paragraph "(1)", replace "2.8: Group 6" with "1.2.6: Group 6".*

### **5) Modifications to 3.3.1.4**

*Paragraph "(1)", replace "2.8: Group 1" with "1.2.1: Group 1".*

*Paragraph "(1)", replace "2.8: Group 4" with "1.2.4: Group 4".*

### **6) Modification to 3.3.2**

*Paragraph "(1)", replace "2.8: Group 5" with "1.2.5: Group 5".*

### **7) Modification to 5.2.1**

*Paragraph "(4)", replace "The bridges and components may be checked with first order theory if the following criterion is satisfied for each section:" with "Bridges may be checked with first order theory if the following criterion is satisfied:".*

### **8) Modification to 6.2.2.6**

*Paragraph "(2)", replace "to class 3 section" with "to class 4 section".*

### **9) Modification to 6.2.7.1**

*Paragraph "(2)", replace ", or of diaphragms" with ", and/or of diaphragms".*

### **10) Modifications to 6.3.4.2**

*Paragraph "(2)", "NOTE 2", replace "chords and flanges" with "flanges and/or chords" and replace "or chords." with "and/or chords.".*

*Paragraph "(6)", replace "If the compression force  $N_{Ed}$  is" with "If the design value of the compression force  $N_{Ed}$  is".*

*Paragraph "(6)", replace "where  $N_E$  is the critical load" with "where  $N_E$  is the elastic critical load".*

### **11)Modification to 7.4**

Paragraph "(3)", replace " $\sigma_E = 190000 \left( \frac{t}{b} \right)^2$ " with " $\sigma_E = 190000 \left( \frac{t}{b_p} \right)^2$ ".

### **12)Modification to 8.2.5.2**

Paragraph "(1)", replace the reference to "4.7.2(1), (2) and (3) of EN 1993-1-8" with "4.7.2(1) and (2) of EN 1993-1-8".

### **13)Modification to 8.2.8**

Paragraph "(1)", replace the reference to "4.10(1), (2), (3), (4), (5) and (6) of EN 1993-1-8" with "4.10(1), (2), (3), (4) and (5) of EN 1993-1-8".

### **14)Modifications to 9.4.1**

Paragraph "(4)", replace " $\Delta\sigma_{E2}$ " with " $\Delta\sigma_{E,2}$ ".

Paragraph "(6)", replace "fatigue stress spectra" with "stress-range spectra".

### **15)Modifications to 9.5.2**

Paragraph "(1)", replace the reference to "(8)" with "(7)".

Paragraph "(2)", list entry "d)", replace "for hangers, twice the length of hangers;" with "for hangers, twice the distance between hangers".

Paragraph "(7)", replace "fatigue stress spectra." with "stress-range spectrum."

### **16)Modification to 9.6**

Paragraph "(2)", "Table 9.8", replace "Free edges of cope holes in webs of webs of crossbeams around soffits of stiffeners, see Figure 9.4" with "Free edges of cope holes in webs of crossbeams, see Figure 9.4".

### **17)Modification to A.1**

Paragraph "(1)", replace in various places "vertical bearing capacity" with "vertical bearing resistance".

### **18)Modification to A.5.4**

Paragraph "(3)", "NOTE", delete "Moments determined".

### **19)Modification to A.5.7**

Paragraph "(1)", replace "variable rigidity" with "variable rigidity for compression".

### **20)Modification to B.2.2**

Paragraph "(1)", list entry "4.", replace "including standard actions" with "including persistent actions".

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### 21) Modification to C.1.1

Paragraph "(2)", "NOTE", replace "For technical information, see National Annex." with "The National Annex may give additional technical information."

### 22) Modification to C.1.3.5.4

Paragraph "(1)", replace "Figure C.11" with "Figure C.10".

### 23) Modification to D.1

Paragraph "(3)", replace "5.3.2(10) of EN 1993-1-1" with "5.3.2(11) of EN 1993-1-1".

### 24) Modifications to D.2.4

Paragraph "(2)", "Table D.3", Title, replace "for trusses without posts" with "for trusses".

Paragraph "(2)", "Table D.3", row "2a", 2<sup>nd</sup> column, replace "flexural stiffness  $I_I$ " with "flexural stiffness  $EI_I$ "; and replace "torsional stiffness  $I_T$ " with "torsional stiffness  $GI_T$ ".

### 25) Modifications to D.3.2

Paragraph "(1)", replace "with rigid supports" with "with hinged or rigid supports".

Paragraph "(2)", "Table D.4", last line, add:

"for  $K_r$  the radial loading (e.g. hydrostatic pressure) is supposed".

### 26) Modification to D.3.3

Paragraph "(1)", "Table D.7", replace " $1 - 0,45 \frac{q_{St}}{q}$ " with " $1 + 0,45 \frac{q_{St}}{q}$ ".

### 27) Modification to D.3.4

Paragraph "(3)", replace "the mean of all lengths  $h_H \frac{1}{\sin \alpha_k}$  of the hangers" with "the mean of all lengths  $h_H$  of the hangers multiplied by  $\frac{1}{\sin \alpha_k}$ , where  $\alpha_k$  (constant) is taken from Figure D.5".

### 28) Modification to D.3.5

Paragraph "(1)", replace "see 5.3.2(10)" with "see 5.3.2(11)".

### 29) Modification to E.1

Paragraph "(2)", under Equation "(E.2)", definition of " $\sigma_{Ed}$ ", replace " $\sigma_{loc}$ " with " $\sigma_{loc,Ed}$ "; and replace " $\sigma_{glob}$ " with " $\sigma_{glob,Ed}$ ".