

SVENSK STANDARD

SS-EN 1992-2:2005/AC:2008

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Eurokod 2: Dimensionering av betongkonstruktioner – Del 2: Broar

Eurocode 2 – Design of concrete structures – Concrete bridges – Design and detailing rules

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The European Standard EN 1992-2:2005/AC:2008 has the status of a Swedish Standard. This document contains the official English version of EN 1992-2:2005/AC:2008.

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EUROPEAN STANDARD

EN 1992-2:2005/AC

NORME EUROPÉENNE

EUROPÄISCHE NORM

July 2008

ICS 93.040; 91.010.30; 91.080.40

English version

Eurocode 2 - Design of concrete structures - Concrete bridges - Design
and detailing rules

Eurocode 2 - Calcul des structures en
béton - Partie 2: Ponts en béton - Calcul et
dispositions constructives

Eurocode 2 - Bemessung und Konstruktion
von Stahlbeton- und
Spannbetontragwerken - Teil 2:
Betonbrücken - Bemessungs- und
Konstruktionsregeln

This corrigendum becomes effective on 30 July 2008 for incorporation in the three official language versions of the EN.



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

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SECTION 6 ULTIMATE LIMIT STATES (ULS)

Page 27

In **Figure 6.103** in 6.2.3 replace:

“C Tension chord of truss (external tendon)”

with the following:

“C Tension chord of truss (external or internal unbonded tendon).”

Page 29

In **6.3.2 (102)** 2nd paragraph, replace:

“The maximum bearing capacity of a member loaded in shear and torsion follows from 6.3.2 (4).”

with the following:

“The maximum bearing capacity of a member loaded in shear and torsion follows from 6.3.2 (104).”

Page 30

In **6.3.2 (104)** replace:

“...where v follows from 6.2.2 (6) of EN 1992-1-1 and α_{cw} from Expression (6.9).”

with the following:

“...where v follows from 6.2.2 (6.6N) of EN 1992-1-1 and α_{cw} from Expression (6.9).”

Page 33

In **6.8.7 (101)** replace Expression (6.106):

$$N_i = 10 \exp \left(14 \left(1 - \frac{E_{cd,max,i}}{\sqrt{1-R_i}} \right) \right)$$

with the following:

$$N_i = 10 \left(14 \frac{1-E_{cd,max,i}}{\sqrt{1-R_i}} \right)$$

SECTION 7 SERVICEABILITY LIMIT STATES (SLS)

Page 39

In **7.3.2 (105)** replace:

“...to cater for shrinkage, $f_{ct,eff}$ in Expression (7.1) of EN 1992-1-1 should be taken as...”

with the following:

“...to cater for shrinkage, $f_{ct,eff}$ in Expression (7.1) should be taken as...”

Page 39

Delete sub-clause 7.4.2:

“7.4.2 Cases where calculations may be omitted

This clause does not apply.”.

ANNEX B (INFORMATIVE)

Page 54

In **B.105 (103)** replace:

“For concrete aged 1 year or more...and by Expressions (B.16) and (B118) of EN 1991-2... ”
with the following:

“For concrete aged 1 year or more...and by Expressions (B.116) and (B118) of EN 1991-2... ”.

ANNEX J (INFORMATIVE)

Page 60

In **J.104.1 (104)** replace:

“...The reinforcement provided to avoid edge sliding shall be adequately anchored”

with the following:

“...The reinforcement provided to avoid edge sliding should be adequately anchored”.

Page 61

In **J.104.2 (102)** in the fourth dash replace:

“...The prisms associated with different anchorages may overlap (this can occur when the tendons are not parallel) but should remain inside the concrete.”

with the following:

“...The prisms associated with different anchorages may overlap when the tendons are not parallel, but should remain inside the concrete.”.

ANNEX KK (INFORMATIVE)

Page 63

In **KK.2 (101)** replace:

“...of internal actions, shall be considered, in general, in serviceability conditions.”

with the following:

“...of internal actions, should be considered, in general, in serviceability conditions.”.

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Page 66

In **KK.5 (104)** replace Expression (KK.109):

$$" D(t) = D_{el}(t_0) "$$

with the following:

$$" D(t) = D_{el}(t) "$$

Page 67

In **KK.6 (102)** replace:

"...which would result from an increase in stress applied..."

with the following:

"...which would result from a variation in stress applied..."

In **KK.6 (102)** replace Expression (KK.118):

$$" \int_{\tau=t_0}^t [1 + \varphi(t, \tau)] d\sigma(\tau) = [1 + \chi(t, t_0)\varphi(t, t_0)] \Delta\sigma_{t_0 \rightarrow t} "$$

with the following:

$$" \int_{\tau=t_0}^t \left[\frac{E_c(28)}{E_c(\tau)} + \varphi_{28}(t, \tau) \right] d\sigma(\tau) = \left[\frac{E_c(28)}{E_c(t_0)} + \chi(t, t_0)\varphi_{28}(t, \tau) \right] \Delta\sigma_{t_0 \rightarrow t} "$$

In **KK.7 (101)** replace Expression (KK.119):

$$" S_{\infty} = S_0 + (S_c - S_0) \frac{\varphi(\infty, t_0) - \varphi(t_c, t_0)}{1 + \chi\varphi(\infty, t_c)} "$$

with the following:

$$" S_{\infty} = S_0 + (S_1 - S_0) \frac{E_c(t_1)}{E_c(t_0)} \left[\frac{\varphi(\infty, t_0) - \varphi(t_1, t_0)}{1 + \chi\varphi(\infty, t_1)} \right] "$$

In **KK.7 (101)** replace:

" S_c represents the internal forces that are obtained if the structure is constructed on centering."

with the following:

" S_1 represents the internal forces in the final static scheme."

In **KK.7 (101)** replace:

" t_0 is the concrete age on application of the load."

with the following:

" t_0 is the concrete age at application of the constant permanent loads."