

## DIN EN 1993-1-9



ICS 91.010.30; 91.080.10

Supersedes: see below

**Eurocode 3: Design of steel structures –  
Part 1-9: Fatigue  
(includes Corrigendum AC:2009)  
English translation of DIN EN 1993-1-9:2010-12**

Eurocode 3: Bemessung und Konstruktion von Stahlbauten –  
Teil 1-9: Ermüdung  
(enthält Berichtigung AC:2009)  
Englische Übersetzung von DIN EN 1993-1-9:2010-12

Eurocode 3: Calcul des structures en acier –  
Partie 1-9: Fatigue  
(Corrigendum AC:2009 inclus)  
Traduction anglaise de DIN EN 1993-1-9:2010-12

Supersedes DIN EN 1993-1-9:2005-07;  
together with DIN EN 1993-1-1:2010-12, DIN EN 1993-1-1/NA:2010-12, DIN EN 1993-1-3:2010-12,  
DIN EN 1993-1-3/NA:2010-12, DIN EN 1993-1-5:2010-12, DIN EN 1993-1-5/NA:2010-12,  
DIN EN 1993-1-8:2010-12, DIN EN 1993-1-8/NA:2010-12, DIN EN 1993-1-9/NA:2010-12,  
DIN EN 1993-1-10:2010-12, DIN EN 1993-1-10/NA:2010-12, DIN EN 1993-1-11:2010-12 and  
DIN EN 1993-1-11/NA:2010-12 supersedes DIN 18800-1:2008-11;  
supersedes DIN EN 1993-1-9 Corrigendum 1:2009-12

Document comprises 37 pages

Translation by DIN-Sprachendienst.

In case of doubt, the German-language original shall be considered authoritative.



*A comma is used as the decimal marker.*

## National foreword

This standard has been prepared by Technical Committee CEN/TC 250 “Structural Eurocodes” (Secretariat: BSI, United Kingdom).

The responsible German body involved in its preparation was the *Normenausschuss Bauwesen* (Building and Civil Engineering Standards Committee), Working Committee NA 005-08-16 AA *Tragwerksbemessung* (SpCEN/TC 250/SC 3).

EN 1993-1-9 was approved by CEN on 23 April 2004.

This European Standard is part of a series of standards dealing with structural design (Eurocodes) which are intended to be used as a “package”. In Guidance Paper L on the application and use of Eurocodes, issued by the EU Commission, reference is made to transitional periods for the introduction of the Eurocodes in the Member states. The transitional periods are given in the Foreword of this standard.

In Germany, this standard is to be applied in conjunction with the National Annex.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. DIN [and/or DKE] shall not be held responsible for identifying any or all such patent rights.

The start and finish of text introduced or altered by amendment is indicated in the text by tags AC AC.

### Amendments

This standard differs from DIN V ENV 1993-1-1:1993-04, DIN V ENV 1993-1-1/A1:2002-05 and DIN V ENV 1993-1-1/A2:2002-05 as follows:

- a) the prestandard status has been changed to that of a full standard;
- b) the standards have been divided up into Part 1-1, Part 1-8, Part 1-9 and Part 1-10;
- c) the comments received from the national member bodies of CEN have been taken into account and the standard has been completely revised.

Compared with DIN EN 1993-1-9:2005-07, DIN EN 1993-1-9 Corrigendum 1:2009-12 and DIN 18800-1:2008-11, the following corrections have been made:

- a) the standard has been based on European design rules;
- b) superseding notes have been corrected;
- c) this standard is the consolidated version of the previous 2005 edition with Corrigendum AC:2009;
- d) the standard has been editorially revised.

#### Previous editions

DIN 1050: 1934-08, 1937xxxx-07, 1946-10, 1957x-12, 1968-06  
DIN 1073: 1928-04, 1931-09, 1941-01, 1974-07  
DIN 1073 Supplement: 1974-07  
DIN 1079: 1938-01, 1938-11, 1970-09  
DIN 4100: 1931-05, 1933-07, 1934xxxx-08, 1956-12, 1968-12  
DIN 4101: 1937xxx-07, 1974-07  
DIN 18800-1: 1981-03, 1990-11, 2008-11  
DIN 18800-1/A1: 1996-02  
DIN V ENV 1993-1-1: 1993-04  
DIN V ENV 1993-1-1/A1: 2002-05  
DIN V ENV 1993-1-1/A2: 2002-05  
DIN EN 1993-1-9: 2005-07  
DIN EN 1993-1-9 Corrigendum 1: 2009-12

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