

# Eurocode 3 — Design of steel structures —

**Part 1-12: Additional rules for the  
extension of EN 1993 up to steel grades  
S 700**

ICS 91.010.30; 91.080.10

# National foreword

This British Standard is the UK implementation of EN 1993-1-12:2007, incorporating corrigendum April 2009.

The start and finish of text introduced or altered by corrigendum is indicated in the text by tags. Text altered by CEN corrigendum April 2009 is indicated in the text by AC1 AC1.

The UK participation in its preparation was entrusted by Technical Committee B/525, Building and civil engineering structures, to Subcommittee B/525/31, Structural use of steel.

A list of organizations represented on this subcommittee can be obtained on request to its secretary.

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

**Compliance with a British Standard cannot confer immunity from legal obligations.**

This British Standard was published under the authority of the Standards Policy and Strategy Committee on 31 May 2007

© BSI 2010

ISBN 978 0 580 67794 6

## Amendments/corrigenda issued since publication

| Date          | Comments                                     |
|---------------|----------------------------------------------|
| 30 April 2010 | Implementation of CEN corrigendum April 2009 |
|               |                                              |
|               |                                              |
|               |                                              |

English Version

## Eurocode 3 - Design of steel structures - Part 1-12: Additional rules for the extension of EN 1993 up to steel grades S 700

Eurocode 3 - Calcul des structures en acier - Partie 1-12 :  
Règles additionnelles pour l'utilisation de l'EN 1993 jusqu'à  
la nuance d'acier S 700

Eurocode 3: Bemessung und Konstruktion von Stahlbauten  
- Teil 1-12: Zusätzliche Regeln zur Erweiterung von EN  
1993 auf Stahlsorten bis S 700

This European Standard was approved by CEN on 6 July 2006.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN Management Centre or to any CEN member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the CEN Management Centre has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Bulgaria, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.



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

Management Centre: rue de Stassart, 36 B-1050 Brussels

| <b>Contents</b>                                                             | <b>Page</b> |
|-----------------------------------------------------------------------------|-------------|
| <b>Foreword.....</b>                                                        | <b>3</b>    |
| <b>1 General .....</b>                                                      | <b>3</b>    |
| 1.1 Scope .....                                                             | 3           |
| 1.2 Normative references .....                                              | 4           |
| 1.3 Symbols .....                                                           | 4           |
| <b>2 Additional rules to EN 1993-1-1 to EN 1993-1-11.....</b>               | <b>5</b>    |
| 2.1 Additional rules to EN 1993-1-1 .....                                   | 5           |
| 2.2 Additional rules to EN 1993-1-2 .....                                   | 6           |
| 2.3 Additional rules to EN 1993-1-3 .....                                   | 6           |
| 2.4 Additional rules to EN 1993-1-4 .....                                   | 6           |
| 2.5 Additional rules to EN 1993-1-5 .....                                   | 7           |
| 2.6 Additional rules to EN 1993-1-6 .....                                   | 7           |
| 2.7 Additional rules to EN 1993-1-7 .....                                   | 7           |
| 2.8 Additional rules to EN 1993-1-8 .....                                   | 7           |
| 2.9 Additional rules to EN 1993-1-9 .....                                   | 8           |
| 2.10 Additional rules to EN 1993-1-10 .....                                 | 8           |
| 2.11 Additional rules to EN 1993-1-11 .....                                 | 9           |
| <b>3 Additional rules to application parts EN 1993-2 to EN 1993-6 .....</b> | <b>9</b>    |