

## Designers' Guide to Eurocode 3: Design of Steel Buildings

EN 1993-1-1, -1-3 and -1-8

Designers' Guide to Eurocodes

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### About the Book

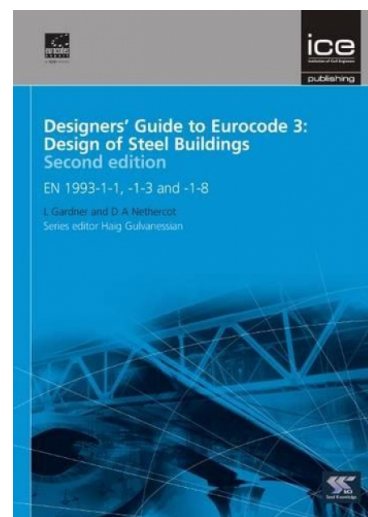
This series of Designers' Guides to the Eurocodes provides comprehensive guidance in the form of design aids, indications for the most convenient design procedures and worked examples. The books also include background information to aid the designer in understanding the reasoning behind and the objectives of the codes. All of the individual guides work in conjunction with the Designers' Guide to EN1990: Basis of Structural Design.

Eurocode 3 covers many forms of steel construction and provides the most comprehensive and up-to-date set of design guidance currently available. Throughout, this book concentrates on the most commonly encountered aspects of structural steel design, with an emphasis on the situation in buildings. Much of its content is therefore devoted to the provisions of *Part 1.1 General rules and rules for buildings of EN 1993: Design of steel structures*, however, this is supplemented by material on joints (*Part 1.8*), cold-formed design (*Part 1.3*), and loading (*EN 1990 and EN 1991*). For each of the principal aspects covered, the book provides background to the structural behaviour, explanation of the codified treatment including departure from existing practice (BS 5950) and numerous worked examples.

The second edition of this popular guide has been fully updated for revisions to the code and the UK National Annex for EN 1993-1-1 (*UK NA to BS EN 1993-1-1*); this guide should serve as the primary point of reference for designing steel structures to Eurocode 3.

This guide is essential reading for

- civil and structural engineers
- code-drafting committees
- clients
- structural-design students
- public authorities



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