

NA to BS EN 1993-1-11:2006



BSI Standards Publication

UK National Annex to Eurocode 3: Design of steel structures

Part 1-11: Design of structures with
tension components

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Summary of pages

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National Annex (informative) to BS EN 1993-1-11:2006, Eurocode 3: Design of steel structures – Part 1-11: Design of structures with tension components

Introduction

This National Annex has been prepared by BSI Subcommittee B/525/10, *Bridges*, in consultation with B/525/31, *Structural use of steel*. In the UK it is to be used in conjunction with BS EN 1991-1-11:2006.

NA.1 Scope

This National Annex gives:

- a) the UK decisions for the Nationally Determined Parameters described in the following subclauses of BS EN 1993-1-11:2006:
 - 2.3.6(1) • 4.5(4) • 6.4.1(1)P
 - 2.3.6(2) • 5.3(2) • 7.2(2)
 - 2.4.1 (1) • 6.2(2) • A.4.5.1(1)
 - 3.1 (1) • 6.3.2(1) • A.4.5.2(1)
 - 4.4(2) • 6.3.4(1) • B(6)
- b) the UK decisions on the status of BS EN 1991-1-11:2006 informative annexes; and
- c) references to non-contradictory complementary information.

NA.2 Nationally Determined Parameters

NA.2.1 Replacement and loss of tension components [BS EN 1993-1-11:2006, 2.3.6]

(1) NOTE

During replacement of tension components, all elements of the structure should satisfy the relevant serviceability and ultimate limit state requirements without any restrictions to traffic or other imposed loads, unless specified otherwise in the Project Specification.

If restrictions to traffic and other imposed loads are considered, the restrictions measures should be detailed in the Project Specification.

For ultimate limit states, the load factors and combination factors in the transient situation should be taken to be the same as for the persistent combination.

For serviceability limit states, verifications should be made using the characteristic, frequent or quasi-permanent combination as required by the relevant Eurocode provisions.