DS/EN 1993-1-10 DK NA:2011

National Annex to
Eurocode 3: Design of steel structures -
Part 1-10: Material toughness and through-thickness properties

Foreword
This National Annex (NA) entered into force on 2011-12-15 and has superseded EN 1993-1-10 DK NA:2007. Technical changes have been introduced in 2.2(5), Note 3, and furthermore a number of editorial changes have been made.

Previous versions, addenda and an overview of all National Annexes can be found at www.eurocodes.dk

This NA lays down the conditions for the application of this Eurocode in Denmark.

This NA lays down the conditions for the implementation in Denmark of this Eurocode for construction works in conformity with the Danish Building Act or the building legislation. Other parties can put this NA into effect by referring thereto.

The national choices may be in the form of nationally applicable values, an option between methods given in the Eurocode, or the addition of complementary guidance.

This NA includes:

- an overview of possible national choices and clauses containing complementary information;
- national choices;
- complementary (non-contradictory) information which may assist the user of the Eurocode.

The numbering refers to the clauses of the Eurocode where national choices are allowed and/or complementary information is given. The heading is identical to the heading of the clause, followed by a clarification, as appropriate.
Overview of possible national choices and clauses containing complementary information

The below overview identifies the clauses where national choices are possible. Furthermore, clauses giving complementary information are identified. Complementary information is given at the end of this document.

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Note - Unchanged:  No national choice is made and recommendations in the standard are followed.
National choices

2.2(5) NOTE 1  Selection of materials for fracture toughness - Procedure
The recommended value is used: $\Delta T_R = +0^\circ C$.

2.2(5) NOTE 2  Selection of materials for fracture toughness - Procedure
$\Delta T_\sigma = +30^\circ C$ for rolled sections
$\Delta T_\sigma = +15^\circ C$ for sections with drilled holes.
$\Delta T_\sigma = -15^\circ C$ for transverse butt welds subject to considerable loading.

2.2(5) NOTE 3  Selection of materials for fracture toughness - Procedure
A limit $T_{md} + \Delta T_r \geq T_{27J} -40^\circ C$ is introduced for structures subject to fatigue.

3.1(1)  Selection of materials for through-thickness properties - General
Quality class 1 is used.
Complementary (non-contradictory) information.

None