

**NATIONAL ANNEX
TO STANDARD**

**SFS-EN 1993-3-2 EUROCODE 3: DESIGN OF STEEL STRUCTURES.
Part 3-2: Towers, masts and chimneys- Chimneys**

Preface

This national annex is used together with Standard SFS - EN 1993-3-2:2006.

This national annex sets out:

a) The national parameters for the following clauses in Standard SFS-EN 1993-3-2 where national selection is permitted:

- 2.3.3.1(1) Note 1
- 2.3.3.5(1) Note 1
- 2.6(1)
- 4.2(1)
- 5.1(1)
- 6.1(1)
- 6.2.1 (6)
- 6.4.1(1)
- 6.4.2(1)
- 6.4.3(1) Note 1
- 7.2(1)
- 7.2(2) Note 2
- 9.1(3)
- 9.1(4)
- 9.5(1).

b) Guidance for the use of Annexes A, B, C, D and E .

2.3.3.1 Imposed loads

2.3.3.1(1), Note. 1:

The recommended values should be used, if higher values are not required in the project.

2.3.3.5 Ice loads

2.3.3.5(1), Note 1:

Ice loading should be determined based on the local conditions for each project. Combination factor ψ should be determined according to the National Annex of the standard SFS-EN 1990 or SFS-EN 1993-3-1, as appropriate.

2.6 Durability

2.6(1):

The design service life of the structure should be determined separately for each project.

4.2 External corrosion allowance

4.2(1):

For coated structures the relevant standards should be used. Normal environment means classes C1, C2 or C3 according to SFS-EN 12944.

5.1 Modelling of chimneys for determining the effects of loads

5.1(1):

Further information is not given in the National Annex.

6.1 General

6.1(1)P:

The recommended values should be used.

6.2.1 Verification of strength

6.2.1(6):

Further limits for the openings are not given in the National Annex. The recommended values should be used. In the fatigue loaded structures the distribution of the stresses mentioned above should be taken into account case by case. See also section 9 of the standard SFS-EN 1993-3-2.

6.4.1 General

6.4.1(1):

The values given in the National Annex of the standard SFS-EN 1993-1-8 should be used.

6.4.2 Bolted connections for flanges

6.4.2(1):

Further information is not given in the National Annex.

6.4.3 Connection of chimney to the foundation or supporting structure

6.4.3(1), Note 1:

Further information is not given in the National Annex.

7.2 Deflections

7.2(1):

The recommended value should be used.

7.2(2), Note 2:

The recommended values should be used.

9.1 General

9.1(3):

Further information is not given in the National Annex.

9.1(4):

Further information is not given in the National Annex. The influence of the temperature should be taken into account case by case depending of the steel grade used.

9.5 Partial factors in respect of fatigue

9.5(1):

The values given in the National Annex of the standard SFS-EN 1993-1-9 should be used.

Annex A:

Reliability differentiation and partial factors for actions

Annex A should be used.

A.1(1):

The reliability differentiation according to the table A.1 should be used.

A.2(1), Note 2:

The values given in the table A.2 should be used.

A.2(1), Note 3:

Further information is not given in the National Annex. Annex B and E of SFS-EN 1991-1-4 may be used together with their National Annexes.

Annex B:

Aerodynamic and damping measures

Annex B should be used.

Annex C:

Fatigue resistances and quality requirements

Annex C should be used.

C.2(1):

Further information is not given in the National Annex. The use of higher fatigue classes than given in the standard SFS-EN 1993-1-9 should be based on reliable testing according to the Annex D of the standard SFS-EN 1990.

Annex D:
Design assisted by testing

Annex D should be used.

Annex E:
Implementation

Annex E should be used.