

## ANNEX 11

**NATIONAL ANNEX**  
**TO STANDARD**  
**SFS-EN 1993-1-8 EUROCODE 3: DESIGN OF STEEL STRUCTURES.**  
**Part 1-8: Design of joints**

**Preface**

This national annex is used together with Standard SFS - EN 1993-1-8: 2005.

This national annex sets out:

The national parameters for the following paragraphs in Standard SFS-EN 1993-1-8 where national selection is permitted:

- 1.2.6
- 2.2(2)
- 3.1.1(3)
- 3.4.2(1)
- 4.5.3.2      Explanation
- 4.5.3.3      Explanation
- 5.2.1(2)
- 6.2.7.2(9)

## 1.2.6 References

Reference Standards, Group 6: Rivets

Standards DIN 124 Halbrundniete – Nenndurchmesser 10 bis 36 mm (1993) and DIN 302 Senkniete - Nenndurchmesser 10 bis 36 mm (1993) may be used. Standard NF E 27156 – Elements de fixation – Rivets a tete ronde destinate a l'execution des constructions metalligues, Septembre 1983 may be used. Rivets, which fulfill the requirements according to Standards SS 39 and SS 318, may be used. Material according to Standard SFS-EN 10263-2 may be used in rivets.

## 2.2 General requirements

2.2(2)

The partial factors given in the note should be used.

### 3.1.1 General

3.1.1(3)

It is recommended to use only 8.8 and 10.9 bolt classes.

### 3.4.2 Tension connections

3.4.2(1)

The preload in this case should be  $0,70 f_{ub} A_s$ . In this case bolted connections should be controlled at least as non-preloaded connections.

### 4.5.3.2 Directional method

*Explanation:*

*$\beta_w$ - values to steel grades according to Standards SFS-EN 10149-2 and SFS-EN 10149-3 should be determined based on yield strength as for steels according to Standard SFS-EN 10025.*

### 4.5.3.3 Simplified method for design resistance of fillet weld

*Explanation:*

*$\beta_w$ - values to steel grades according to Standards SFS-EN 10149-2 and SFS-EN 10149-3 should be determined based on yield strength as for steels according to Standard SFS-EN 10025.*

## 5.2.1 General

5.2.1(2)

Additional information are not given.

### 6.2.7.2 Beam-to-column joints with bolted end-plate connections

6.2.7.2(9)

No further information is given.