

## **DS/EN 13200-5 DK NA:2014**

National Annex to

### **EN 13200-5 Spectator facilities - Part 5: Telescopic stands**

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#### **Foreword**

This national Annex (NA) is the first Danish NA to EN 13200-5. This NA enters into force on 2014-09-15. During the transition period up to and including 2014-12-31, application of this NA is not mandatory.

This NA lays down the conditions for the implementation in Denmark of DS/EN 13200-5 for temporary constructions in conformity with the Danish Building Act or the building legislation. Other parties can put this NA into effect by referring thereto.

This NA includes the paragraphs, for which it has been necessary to take national choices to secure conformity with the Danish regulations for construction and the Danish chosen level of security. Furthermore complementary (non-contradictory) information is given which may assist the user of the standard.

The numbering refers to the clauses of the standard where national choices are made and/or complementary information is given.

## National choices

Clause	Subject	National choice
2	Normative references	Add: <ul style="list-style-type: none"> <li>• DS/EN 1990</li> <li>• DS/EN 1991-1-4.</li> </ul> Add the Danish national annexes to: <ul style="list-style-type: none"> <li>• DS/EN 1990</li> <li>• DS/EN 1991-1-1</li> <li>• DS/EN 1991-1-4.</li> </ul>
4	Materials requirements	Partial factors for materials in the Danish national annexes to the eurocodes series shall be used. For materials not covered by the structural eurocodes the material partial factors shall be chosen according to the principles in DS/EN 1990 DK NA, annex F.
5.1	Design - General	In general the eurocodes including the Danish national annexes shall be used for design. This includes loads, partial factors, load combinations, consequence classes etc.
5.1	Limit states and combination of loads	Safety of telescopic stands shall be verified according to the load combinations in DS/EN 1990 and DS/EN 1990 DK NA.
5.1	Consequence class	The consequence class is chosen according to DS/EN 1990 DK NA, Table B.1.  NOTE – It should be considered that telescopic stands are moved from site to site, and thereby to be considered as a permanent structure.
5.1	Design supervision	Design supervision should be performed according to DS/EN 1990 DK NA, Annex B, B.4.
5.1	Inspection during execution	Specifications for inspection during execution shall be specified considering that repeated setting up and taking down of telescopic stands.
5.1	Partial factors for materials	Partial factors for materials in the Danish national annexes to the eurocodes series shall be used. For materials not covered by the structural eurocodes the material partial factors shall be chosen according to the principles in DS/EN 1990 DK NA, Annex F.
5.5	Partial factors for loads	Partial factors in DS/EN 1990 DK NA, Table A1.2 and A1.3 shall be used.

Clause	Subject	National choice
5.5	Load combination factors	$\psi$ -factors in DS/EN 1990 DK NA, Table A1.1 shall be used.
5.5.1	Self Weight	In addition to EN 1991-1-1 the Danish national annex DS/EN 1991-1-1 DK NA shall be added.
5.5.2	Imposed Vertical Loads	Loads shall be in accordance with DS/EN 1991-1-1 DK NA cl. 6.3.1.  Synchronized rhythmical movement of people shall be in accordance with DS/EN 1991-1-1 DK NA, Annex C.
5.5.3	Isolated Loads	The isolated loads including the area of application shall be in accordance with DS/EN 1991-1-1 and DS/EN 1991-1-1 DK NA.
5.5.4	Horizontal Loads	The horizontal loads originating from synchronized rhythmical movement of people shall be in accordance with DS/EN 1991-1-1 DK NA.
5.6	Wind Loading	The wind loading shall be in accordance with DS/EN 1991-1-4 and DS/EN 1991-1-4 DK NA.
5.8	Protection from falling	Table 6.12 in DS/EN 1991-1-1 DK NA is used instead of Table 1 in EN 13200-5.  NOTE: Guidance is given in the Danish Building regulations clause 3.2.3.

## **Complementary (non-conflicting) information**

General complementary information can be found in The Danish Energy Agency's *Vejledning om certificeringsordning for transportable konstruktioner, del 2 (Guidance for certification schemes for transportable constructions)*. The guidance is expected to be issued summer 2014.

### **5.4.3 Passageways (aisles)**

Further guidance can be found in SBI-anvisning 230, *Anvisning om bygningsreglementet 2010*, clause 3.2.3 *Gurarding*, subsection 2.

### **5.9 Seats**

According to *Bekendtgørelse om driftsmæssige forskrifter for hoteller m.v., plejehjem, forsamlingslokaler, undervisningslokaler, daginstitutioner og butikker*, BEK 212, dated 27/03/2008, upholstered furniture must meet the requirements for flammability of EN 1021-1.