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## Methods of test for ancillary components for masonry – Part 11: Determination of dimensions and bow of lintels

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## Murverkstillbehör – Provning – Del 11: Bestämning av mått och form hos avväxlingsbalkar

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ICS 91.060.10; 91.080.30

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EN 846-11

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February 2000

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ICS 91.060.10; 91.080.30

English version

## Methods of test for ancillary components for masonry - Part 11: Determination of dimensions and bow of lintels

Méthodes d'essai des composants accessoires de  
maçonnerie - Partie 11: Détermination des dimensions et  
de la rectitude ou de la courbure des linteaux

Prüfverfahren für Ergänzungsbauteile für Mauerwerk - Teil  
11: Bestimmung der Maße und der Überhöhung von  
Stürzen

This European Standard was approved by CEN on 1 January 2000.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Central Secretariat or to any CEN member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the Central Secretariat has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.



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## Foreword

This European Standard has been prepared by Technical Committee CEN/TC 125 "Masonry", the secretariat of which is held by BSI.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by August 2000, and conflicting national standards shall be withdrawn at the latest by September 2000.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and the United Kingdom.

## 1 Scope

This European Standard specifies methods for determining the dimensions and straightness or bow of single span, single, combined or the prefabricated component of composite lintels conforming with **prEN 845-2:1992**.

## 2 Normative references

This European Standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies.

prEN 845-2:1992            Specification for ancillary components for masonry - Part 2 : Lintels

## 3 Principle

Specimen lintels or the constituent prefabricated components of lintels, e.g. components forming the tension zone, are measured in order to determine their overall length, width and height as well as their bow. For lintels of non-rectangular cross sections a diagram is made showing their configuration and dimensions.

## 4 Definitions

For the purposes of this standard, the following definitions apply:

**4.1 bow** : any deviation from the intended profile (shape) of the lintel. If the lintel is intended to be straight it is the deviation from straightness. If the lintel is designed to have a camber (curvature in elevation) or a curvature in plan it is the deviation from the intended shape

Note: Camber/curvature should be detailed in the manufacturer's specification and the bow is the deviation from the intended shape.

## 5 Apparatus

**5.1 Steel measuring tape, steel rule or other device** capable of measuring the length of the lintel and accurate to  $\pm 1$  mm.

**5.2 Steel measuring tape, steel rule or other device**, capable of measuring the width and height of the lintel and accurate to  $\pm 0,5$  mm.

**5.3 Metal straight edge of length more than the length of the lintel.**