

**Aluminium och aluminiumlegeringar – Kylarband –**  
Del 3: Toleranser för dimension och form

**Aluminium and aluminium alloys – Finstock –**  
Part 3: Tolerances on dimensions and form

Europastandarden EN 683-3:2006 gäller som svensk standard. Detta dokument innehåller den officiella engelska versionen av EN 683-3:2006.

Denna standard ersätter SS-EN 683-3, utgåva 1.

The European Standard EN 683-3:2006 has the status of a Swedish Standard. This document contains the official English version of EN 683-3:2006.

This standard supersedes the Swedish Standard SS-EN 683-3, edition 1.

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## Aluminium and aluminium alloys - Finstock - Part 3: Tolerances on dimensions and form

Aluminium et alliages d'aluminium - Bandes pour  
échangeurs thermiques - Partie 3 : Tolérances sur  
dimensions et forme

Aluminium und Aluminiumlegierungen - Vormaterial für  
Wärmeaustauscher (Finstock) - Teil 3: Grenzabmaße und  
Formtoleranzen

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## Foreword

This document (EN 683-3:2006) has been prepared by Technical Committee CEN/TC 132 "Aluminium and aluminium alloys", the secretariat of which is held by AFNOR.

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of an identical text or by endorsement, at the latest by June 2007, and conflicting national standards shall be withdrawn at the latest by June 2007.

This document supersedes EN 683-3:1996.

Within its program of work, Technical Committee CEN/TC 132 entrusted CEN/TC 132/WG 6 "Foil and finstock" to revise EN 683-3:1996.

The following modifications have been made:

- subclause 3.1.1: the text has been amended;
- subclause 3.1.2: title is changed alloys EN AW-6060 and EN AW-6951 have been deleted in Table 2;
- subclause 3.3: lateral bow is applicable to thickness greater than 130  $\mu\text{m}$ . Test procedures have been amended and acceptance criteria have been edited.

EN 683 comprises the following parts under the general title "*Aluminium and aluminium alloys — Finstock*":

- *Part 1: Technical conditions for inspection and delivery*
- *Part 2: Mechanical properties*
- *Part 3: Tolerances on dimensions and form*

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**EN 683-3:2006 (E)****1 Scope**

This document specifies the tolerances on dimensions and form for wrought aluminium and wrought aluminium alloy finstock supplied in accordance with EN 683-1.

**2 Normative references**

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

Not applicable

**3 Tolerances on dimensions and form****3.1 Gauge****3.1.1 Single gauge measurement**

The tolerance on gauge for a single measurement for finstock shall be  $\pm 6\%$ .

Gauge can be measured with any of the usual precision instruments capable of assessing finstock thickness but, in the event of a dispute, the weighing method shall be used as a referee procedure.

Description of the weighing method:

From the test sample, cut an area ( $A$ ) of approximately  $1\text{ dm}^2$  either square or circular. Degrease the sample if necessary in a suitable solvent and weigh on a laboratory balance with an accuracy of equal to or better than  $1\text{ mg}$ . The dimensions of the sample (sides of square or diameter of circle) shall be measured to an accuracy of equal or better than  $\pm 0,1\text{ mm}$ .

Gauge shall be calculated by use of the formula:

$$E = \frac{M}{10 \times A \times D}$$

where:

$E$  is the gauge in micrometres;

$M$  is the mass in milligrams;

$D$  is the density as defined in Table 2, in grams per cubic centimetre;

$A$  is the area in square decimetres.

**3.1.2 Average gauge evaluation**

The tolerance on average gauge is specified in Table 1.