

**Alumiinium ja alumiiniumisulamid.
Lehed, ribad ja plaadid. Osa 3:
Kuumvaltstoodete mõõtmeterantsid ja
kuju lubatud piirhälbed**

Aluminium and aluminium alloys - Sheet, strip and plate - Part 3: Tolerances on shape and dimensions for hot-rolled products

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

<p>Käesolev Eesti standard EVS-EN 485-3:2003 sisaldab Euroopa standardi EN 485-3:2003 ingliskeelset teksti.</p> <p>Käesolev dokument on jõustatud 15.04.2003 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.</p> <p>Standard on kättesaadav Eesti standardiorganisatsioonist.</p>	<p>This Estonian standard EVS-EN 485-3:2003 consists of the English text of the European standard EN 485-3:2003.</p> <p>This document is endorsed on 15.04.2003 with the notification being published in the official publication of the Estonian national standardisation organisation.</p> <p>The standard is available from Estonian standardisation organisation.</p>
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<p>Käsitlusala: This part of this European Standard specifies the tolerances on form and dimensions for wrought aluminium and aluminium alloy sheet, strip and plate obtained by hot-rolling, for general engineering applications. It applies to products with a thickness from 2,5 mm up to and including 400 mm</p>	<p>Scope: This part of this European Standard specifies the tolerances on form and dimensions for wrought aluminium and aluminium alloy sheet, strip and plate obtained by hot-rolling, for general engineering applications. It applies to products with a thickness from 2,5 mm up to and including 400 mm</p>
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Võtmesõnad:

English version

Aluminium and aluminium alloys –
Sheet, strip and plate

Part 3: Tolerances on dimensions and form for hot-rolled products

Aluminium et alliages d'aluminium –
Tôles, bandes et tôles épaisses –
Partie 3: Tolérances de dimensions et
de forme des produits laminés à
chaud

Aluminium und Aluminiumlegierungen –
Bänder, Bleche und Platten –
Teil 3: Grenzabmaße und
Formtoleranzen für warmgewalzte
Erzeugnisse

This European Standard was approved by CEN on 2002-11-21.

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 Management Centre or to any CEN member.

The European Standards exist 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 Management Centre has the same status as the official versions.

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

CEN

European Committee for Standardization
Comité Européen de Normalisation
Europäisches Komitee für Normung

Management Centre: rue de Stassart 36, B-1050 Brussels

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Foreword

This document (EN 485-3:2003) 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 September 2003, and conflicting national standards shall be withdrawn at the latest by September 2003.

This document supersedes EN 485-3:1993.

This standard is part of a set of four standards. The other standards deal with:

- *Part 1: Technical conditions for inspection and delivery*
- *Part 2: Mechanical properties*
- *Part 4: Tolerances on dimensions and form for cold-rolled products*

Besides very slight editorial adjustments in the text, the following technical changes have been made:

- Table 1 :

100 mm to 150 mm :	slightly tighter tolerances
150 mm to 220 mm :	new
220 mm to 350 mm :	new
350 mm to 400 mm :	new

New sentence on cold-compressed plate added after the table.
- Table 3 :

0 mm to 6 mm :	slightly tighter tolerances (1 st and 4 th columns)
6 mm to 12 mm :	tighter tolerances (2 nd , 3 rd and 4 th columns)
12 mm to 50 mm :	tighter tolerances for all products
50 mm to 200 mm :	tighter tolerances for all products
200 mm to 400 mm :	new

Last column added (length over 3 000 mm up to and including 6 000 mm), new sentence after the table (width 6 500 mm to 15 000 mm).

New sentence on cold-compressed plate added after the table.
- Table 5 :

50 mm to 350 mm :	extension of 50 mm to 200 mm values up to 350 mm
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New sentence on cold-compressed and unstretched plate added after the table.

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, Hungary, Iceland, Ireland, Italy, Luxembourg, Malta, Netherlands, Norway, Portugal, Slovakia, Spain, Sweden, Switzerland and the United Kingdom.

1 Scope

This part of this European Standard specifies the tolerances on form and dimensions for wrought aluminium and aluminium alloy sheet, strip and plate obtained by hot-rolling, for general engineering applications.

It applies to products with a thickness from 2,5 mm up to and including 400 mm.

It does not apply to semi-finished rolled products in coiled form to be subjected to further rolling (reroll stock) or to special products such as corrugated, embossed, etc. sheet and strip or to special applications such as aerospace which are dealt with in separate European Standards.

Technical conditions for inspection and delivery of products covered by this standard are specified in EN 485-1.

NOTE Some of the products listed in the present standard can be subject to patent or patent applications, and their listing herein does not in any way imply the granting of a licence under such patent right.

CEN/TC 132 affirms it is its policy that in the case when a patentee refuses to grant licences on standardised standard products under reasonable and not discriminatory conditions, then this product shall be removed from the corresponding standard.

2 Normative references

Not applicable.

3 Tolerances on dimension

3.1 Thickness

Tolerances on thickness for sheet, strip and plate are specified in Table 1.

3.2 Width

3.2.1 Tolerances on width for strip are specified in Table 2.

3.2.2 Tolerances on width for sheet and plate are specified in Table 3.

3.3 Length

3.3.1 Tolerances on length for strip are not specified.

3.3.2 Length tolerances for sheet and plate are specified in Table 3.

4 Tolerances on form

4.1 Lateral curvature

4.1.1 Lateral curvature tolerances for strip are not specified.

4.1.2 Lateral curvature tolerances for sheet and plate with cut or sawn edges are specified in Table 4.

The deviation from straightness, d , is measured as indicated in Figure 1, while the sheet or plate is resting on an horizontal base plate.