

**Alumiinium ja alumiiniumisulamid.
Sepised. Osa 2: Mehaanilised
omadused ja lisakvaliteedinõuded**

Aluminium and aluminium alloys - Forgings - Part 2:
Mechanical properties and additional property
requirements

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

<p>Käesolev Eesti standard EVS-EN 586-2:1999 sisaldab Euroopa standardi EN 586-2:1994 ingliskeelset teksti.</p> <p>Käesolev dokument on jõustatud 23.11.1999 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.</p> <p>Standard on kättesaadav Eesti standardiorganisatsioonist.</p>	<p>This Estonian standard EVS-EN 586-2:1999 consists of the English text of the European standard EN 586-2:1994.</p> <p>This document is endorsed on 23.11.1999 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: See Euroopa standardi EN 586 osa määrab kindlaks üldtehnilise otstarbega alumiiniumist ja alumiiniumisulamitest sepieste mehaanilised omadused ja lisakvaliteedinõuded. Nende sulamite keemiline koostis ja margitähised on vastavalt kindlaks määratud Euroopa standardites EN 573-3 ja EN 515.</p>	<p>Scope:</p>
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Võtmesõnad: alumiinium, alumiiniumisulamid, eritakistus, karakteristikud, katsed, korrosioon, mehaanilised omadused, pingekorrosioon, sepiused, tabelid (andmed), takistus, tehnilised andmed

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Descriptors: Aluminium, aluminium alloy, forging, property, requirement.

English version

Aluminium and aluminium alloys

Forgings

Part 2: Mechanical properties and additional property requirements

Aluminium et alliages d'aluminium; pièces forgées. Partie 2: Caractéristiques mécaniques et autres caractéristiques exigées

Aluminium und Aluminiumlegierungen; Schmiedestücke. Teil 2: Mechanische Eigenschaften und zusätzliche Eigenschaftsanforderungen

This European Standard was approved by CEN on 1994-06-16.

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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.

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CEN

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

Central Secretariat: rue de Stassart 36, B-1050 Brussels

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Foreword

This European Standard has been prepared by CEN/TC 132 'Aluminium and aluminium alloys', the Secretariat of which is held by AFNOR.

Within its programme of work, CEN/TC 132 entrusted CEN/TC 132/WG 3 'Forgings and cast and wrought forging stock' to prepare the following standard:

EN 586-2 Aluminium and aluminium alloys; forgings. Part 2: Mechanical properties and additional property requirements

This Standard is part of a set of three standards. The other standards deal with:

EN 586-1 Aluminium and aluminium alloys; forgings. Part 1: Technical conditions for inspection and delivery

EN 586-3 Aluminium and aluminium alloys; forgings. Part 3: Tolerances on dimensions and form

This European Standard has been prepared under a mandate given to CEN by the Commission of the European Communities and the European Free Trade Association, and supports essential requirements of the relevant EC Directives.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, and conflicting national standards withdrawn, by December 1994 at the latest.

In accordance with the CEN/CENELEC Internal Regulations, the following countries are bound to implement this European Standard:

Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.

1 Scope

This Part of EN 586 specifies the mechanical properties and additional properties of forgings in aluminium and aluminium alloys for general engineering applications. The chemical composition and temper designations for these alloys are specified in EN 573-3 and EN 515, respectively.

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.

EN 515	Aluminium and aluminium alloys; wrought products; temper designations
EN 573-3	Aluminium and aluminium alloys; chemical composition and form of wrought products. Part 3: Chemical composition
EN 586-1	Aluminium and aluminium alloys; forgings. Part 1: Technical conditions for inspection and delivery
EN 2004-1	Aerospace series; test methods for aluminium and aluminium alloy products. Part 1: Determination of electrical conductivity of wrought aluminium alloys
EN 10002-1	Metallic materials; tensile testing. Part 1: Method of test at ambient temperature
ISO 6506:1981	Metallic materials; hardness test; Brinell test
ISO 6507-1:1982	Metallic materials; hardness test; Vickers test; HV 5 to HV 100
ISO 6508:1986	Metallic materials; hardness test; Rockwell test (scales A, B, C, D, E, F, G, H, and K)
ISO 9591:1992	Corrosion of aluminium alloys; determination of resistance to stress corrosion cracking