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Aluminium and aluminium alloys – Forgings – Part 1: Technical conditions for inspection and delivery

The European Standard EN 586-1:1997 has the status of a Swedish Standard. This document contains the official English version of EN 586-1:1997.

Swedish Standards corresponding to documents referred to in this Standard are listed in "Catalogue of Swedish Standards", issued by SIS. The Catalogue lists, with reference number and year of Swedish approval, International and European Standards approved as Swedish Standards as well as other Swedish Standards.

Aluminium och aluminiumlegeringar – Smide – Del 1: Tekniska leveransbestämmelser

Europastandarden EN 586-1:1997 gäller som svensk standard. Detta dokument innehåller den officiella engelska versionen av EN 586-1:1997.

Motsvarigheten och aktualiteten i svensk standard till de publikationer som omnämns i denna standard framgår av "Katalog över svensk standard", som ges ut av SIS. I katalogen redovisas internationella och europeiska standarder som fastställts som svenska standarder och övriga gällande svenska standarder.

ICS 77.150.10

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English version

**Aluminium and aluminium alloys – Forgings –
Part 1: Technical conditions for inspection and delivery**

Aluminium et alliages d'aluminium – Pièces
forgées – Partie 1: Conditions techniques de
contrôle et de livraison

Aluminium und Aluminiumlegierungen –
Schmiedestücke – Teil 1: Technische
Lieferbedingungen

This European Standard was approved by CEN on 1997-07-16. 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.

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 Central Secretariat has the same status as the official versions.

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

CEN

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

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Contents	Page
Foreword.....	3
1 Scope	4
2 Normative references	4
3 Definitions	4
4 Orders or tenders	5
5 Requirements.....	5
6 Test method	7
7 Inspection documents	10
8 Marking.....	11
9 Packaging	11
10 Arbitration	11

Foreword

This European Standard 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 February 1998, and conflicting national standards shall be withdrawn at the latest by February 1998.

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

EN 586-1 Aluminium and aluminium alloys - Forgings - Part 1 : Technical conditions for inspection and delivery

This standard is part of a set of three standards.

The other standards deal with :

EN 586-2 Aluminium and aluminium alloys - Forgings - Part 2 : Mechanical properties and additional property requirements

EN 586-3 Aluminium and aluminium alloys - Forgings - Part 3 : Tolerances on dimensions and form

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 part of EN 586 specifies the technical conditions for inspection and delivery of aluminium and aluminium alloy forgings for general engineering applications.

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 586-2	Aluminium and aluminium alloys - Forgings - Part 2 : Mechanical properties and additional property requirements
prEN 586-3	Aluminium and aluminium alloys - Forgings - Part 3 : Tolerances on dimensions and form
EN 10002-1	Metallic materials - Tensile testing - Part 1 : Method of test (at ambient temperature)
EN 10204	Metallic products - Types of inspection documents

3 Definitions

For the purposes of this European Standard, the following definitions apply :

3.1 forging : Wrought products formed by hammering or pressing, usually when hot, between open dies (hand forging) or closed dies (drop or die forging).

3.2 cast : Quantity of product cast simultaneously from the same melt. The different ingots of a cast may have different dimensions.

NOTE : This term is not used for castings.

3.3 inspection lot : Consignment, or part thereof, submitted for inspection, comprising products of the same grade or alloy, form, temper, size, shape, thickness or cross-section and processed in the same manner.

3.4 sample : One or more products taken from an inspection lot.