

Aluminium and aluminium alloys — Forgings —

Part 2: Mechanical properties and additional property requirements

The European Standard EN 586-2:1994 has the status of a
British Standard

UDC 669.71:669.715.018.26:620.17

NO COPYING WITHOUT BSI PERMISSION EXCEPT AS PERMITTED BY COPYRIGHT LAW



Document Sharing Hub

Cooperating organizations

The European Committee for Standardization (CEN), under whose supervision this European Standard was prepared, comprises the national standards organizations of the following countries:

Austria	Oesterreichisches Normungsinstitut
Belgium	Institut belge de normalisation
Denmark	Dansk Standard
Finland	Suomen Standardisoimisliito, r.y.
France	Association française de normalisation
Germany	Deutsches Institut für Normung e.V.
Greece	Hellenic Organization for Standardization
Iceland	Technological Institute of Iceland
Ireland	National Standards Authority of Ireland
Italy	Ente Nazionale Italiano di Unificazione
Luxembourg	Inspection du Travail et des Mines
Netherlands	Nederlands Normalisatie-instituut
Norway	Norges Standardiseringsforbund
Portugal	Instituto Português da Qualidade
Spain	Asociación Española de Normalización y Certificación
Sweden	Standardiseringskommissionen i Sverige
Switzerland	Association suisse de normalisation
United Kingdom	British Standards Institution

This British Standard, having been prepared under the direction of the Non-ferrous Metals Standards Policy Committee, was published under the authority of the Standards Board and comes into effect on 15 October 1994

© BSI 12-1998

The following BSI references relate to the work on this standard:
Committee reference NFM/35
Draft for comment 91/47874 DC

ISBN 0 580 23128 3

Amendments issued since publication

Amd. No.	Date	Comments

Contents

	Page
Cooperating organizations	Inside front cover
National foreword	ii
Foreword	2
Text of EN 586-2	3
National annex NA (informative) Committees responsible	Inside back cover
National annex NB (informative) Cross-references	Inside back cover

National foreword

This Part of BS EN 586 has been prepared under the direction of the Non-ferrous Metals Standards Policy Committee and is the English language version of EN 586-2:1994 *Aluminium and aluminium alloys — Forgings — Part 2 Mechanical properties and additional property requirements*.

This Part of BS EN 586, together with BS EN 586-1: *Aluminium and aluminium alloys — Forgings — Part 1 Technical conditions for inspection and delivery*, will supersede parts of BS 1472:1972 *Specification for wrought aluminium and aluminium alloys — Forging stock and forgings*.

However, BS 1472:1972 will not be withdrawn until all the remaining standards which will replace it are published.

These are as follows:

BS EN 515:1993, *Aluminium and aluminium alloys — Wrought products — Temper designations*.

BS EN 573-3, *Aluminium and aluminium alloys — Chemical composition and form of wrought products — Part 3 Chemical composition*.

BS EN 573-4, *Aluminium and aluminium alloys — Chemical composition and form of wrought products — Part 4 Forms of products*.

BS EN 603-1, *Aluminium and aluminium alloys — Wrought forging stock — Part 1 Technical conditions for inspection and delivery*.

BS EN 603-2, *Aluminium and aluminium alloys — Wrought forging stock — Part 2 Mechanical properties*.

BS EN 604-1, *Aluminium and aluminium alloys — Cast forging stock — Part 1 Technical conditions for inspection and delivery*.

The following standards are also concerned with aluminium and aluminium alloy forgings and forging stock but do not conflict with BS 1472:1972. When published they will provide a complete set of normative specifications for tolerances on dimensions and form for forgings and forging stock.

BS EN 586-3, *Aluminium and aluminium alloys — Forgings — Part 3 Tolerances on dimensions and form*.

BS EN 603-3, *Aluminium and aluminium alloys — Wrought forging stock — Part 3 Tolerances on dimensions and form*.

BS EN 604-2, *Aluminium and aluminium alloys — Cast forging stock — Part 2 Tolerances on dimensions and form*.

A British Standard does not purport to include all the necessary provisions of a contract. Users of British Standards are responsible for their correct application.

Compliance with a British Standard does not of itself confer immunity from legal obligations.

Summary of pages

This document comprises a front cover, an inside front cover, pages i and ii, the EN title page, pages 2 to 8, an inside back cover and a back cover.

This standard has been updated (see copyright date) and may have had amendments incorporated. This will be indicated in the amendment table on the inside front cover.

UDC 669.71:669.715.018.26:620.17

Descriptors: Aluminium, aluminium alloys, forgings, specifications, characteristics, mechanical properties, resistivity, corrosion, resistance, stress corrosion, tests, tables (data)

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. 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, 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

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

© 1994 Copyright reserved to CEN members