

Arc-welded joints in aluminium and its weldable alloys — Guidance on quality levels for imperfections

The European Standard EN 30042:1994 has the status of a
British Standard

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This British Standard, having been prepared under the direction of the Welding Standards Policy Committee, was published under the authority of the Standards Board and comes into effect on 15 July 1994

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National foreword

This British Standard has been prepared under the direction of the Welding Standards Policy Committee and is the English language version of EN 30042 *Arc-welded joints in aluminium and its weldable alloys — Guidance on quality levels for imperfections*, published by the European Committee for Standardization (CEN).

EN 30042:1993 is identical with ISO 10042:1992 published by the International Organization for Standardization (ISO). EN 30042 was produced as a result of international discussion in which the UK took an active part.

There has previously been no direct British Standard equivalent to this standard. It is simply intended as guidance for designers using application standards if required. To avoid confusion, it is emphasized that the levels of detectable imperfection quoted are purely arbitrary and intended for quality control purposes only. The various levels may be referred to in whole, in part or in combination, or it may be decided that other levels are more appropriate for particular purposes. Specific requirements from this standard should be considered at the enquiry/contract stage and agreed between the contracting parties.

It is assumed that the execution of the provisions of the document is entrusted to suitably qualified and experienced persons.

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 12, 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.

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Descriptors: Aluminium, aluminium alloys, welding, arc welding, gas shielded welding, plasma arc welding, welded joints, butt welds, filled welds, weld defect, specifications, acceptability

English version

Arc-welded joints in aluminium and its weldable alloys — Guidance on quality levels for imperfections

(ISO 10042:1992)

Assemblages en aluminium et alliages
d'aluminium soudables soudés à l'arc —
Guide des niveaux d'acceptation des défauts
(ISO 10042:1992)

Lichtbogenschweißverbindungen an
Aluminium und seinen schweißgeeigneten
Legierungen — Richtlinie für die
Bewertungsgruppen von Unregelmäßigkeiten
(ISO 10042:1992)

This European Standard was approved by CEN on 1994-05-12. 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.

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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

The text of the International Standard ISO 10042:1992 prepared by ISO/TC 44, Welding and allied processes, was submitted to the Unique Acceptance Procedure (UAP) and was approved as EN 30042 on 1994-05-12 without any modification.

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 November 1994, and conflicting national standards shall be withdrawn at the latest by November 1994.

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 EC Directive(s).

According to 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.

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