

Welding — Recommendations for welding of metallic materials —

Part 1: General guidance for arc welding

The European Standard EN 1011-1:1998, with the incorporation of amendments A1:2002 and A2:2003, has the status of a British Standard

ICS 25.160.10

National foreword

This British Standard is the official English language version of EN 1011-1:1998, including amendments A1:2002 and A2:2003.

The start and finish of text introduced or altered by amendment is indicated in the text by tags A1 A1. Tags indicating changes to CEN text carry the number of the amendment. For example, text altered by CEN amendment A1 is indicated by A1 A1.

The UK participation in its preparation was entrusted to Technical Committee WEE/17, Metal-arc welding of steel, which has the responsibility to:

- aid enquirers to understand the text;
- present to the responsible European committee any enquiries on the interpretation, or proposals for change, and keep the UK interests informed;
- monitor related international and European developments and promulgate them in the UK.

Users of BS 5135:1984 should note that the BS EN 1011 series of standards use the concept of heat input to the weld (see BS EN 1011-1 Clause 19) whereas in BS 5135 arc energy is used (see BS 5135 Clause 21.2.6). These two terms are not interchangeable and care should be taken when transposing data from BS 5135 to the BS EN 1011 standards.

Furthermore, on publication of BS EN 1011-2, BS 5135 will be withdrawn and superseded by BS EN 1011-1 and BS EN 1011-2.

A list of organizations represented on this committee can be obtained on request to its secretary.

Cross-references

The British Standards which implement international or European publications referred to in this document may be found in the *BSI Catalogue* under the section entitled “International Standards Correspondence Index”, or by using the “Search” facility of the *BSI Electronic Catalogue* or of British Standards Online.

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Summary of pages

This document comprises a front cover, an inside front cover, the EN title page, pages 2 to 12, an inside back cover and a back cover.

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Welding — Recommendations for welding of metallic materials — Part 1: General guidance for arc welding

(includes amendments A1:2002 and A2:2003)

Soudage — recommandations pour le soudage
des matériaux métalliques —

Partie 1: Lignes directrices générales pour le
soudage à l'arc

(inclut les amendements A1:2002 et A2:2003)

Schweißen — Empfehlungen zum Schweißen
metallischer Werkstoffe —

Teil 1: Allgemeine Anleitungen für das
Lichtbogenschweißen

(enthält Änderungen A1:2002 und A2:2003)

This European Standard was approved by CEN on 26 January 1998 and amendment A1 was approved by CEN on 1 April 2002; amendment A2 was approved by CEN on 30 November 2003.

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CEN

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Foreword

This European Standard has been prepared by Technical Committee CEN/TC 121, Welding, the secretariat of which is held by DS.

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 August 1998, and conflicting national standards shall be withdrawn at the latest by August 1998.

This document has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association.

This standard is composed of the following parts:

- Part 1: General guidance for arc welding;
- Part 2: Arc welding of ferritic steels;
- Part 3: Arc welding of stainless steels;
- Part 4: Arc welding of aluminium and aluminium alloys;
- Part 5: Welding of clad steel;
- Part 6: Laser beam welding;
- Part 7: Electron beam welding.

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Foreword to amendment A1

This document EN 1011-1:1998/A1:2002 has been prepared by Technical Committee CEN/TC 121, Welding, the Secretariat of which is held by DS.

This amendment to the European Standard EN 1011-1:1998 shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by November 2002, and conflicting national standards shall be withdrawn at the latest by November 2002.

This document has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association.

For relationship with EU Directive(s), see informative Annex ZA, which is an integral part of this document.

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Foreword to amendment A2

This document EN 1011-1:1998/A2:2003 has been prepared by Technical Committee CEN/TC 121, Welding, the Secretariat of which is held by DS.

This amendment to the European Standard EN 1011-1:1998 shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by June 2004, and conflicting national standards shall be withdrawn at the latest by June 2004.

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