



National Standards Authority of Ireland

IRISH STANDARD

I.S. EN 29453:1994

ICS 25.160.50

**SOFT SOLDER ALLOYS – CHEMICAL  
COMPOSITIONS AND FORMS  
(ISO 9453:1990)**

National Standards  
Authority of Ireland  
Dublin 9  
Ireland

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*This Irish Standard was  
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authority of the National  
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Údarás um Chaighdeáin Náisiúnta na hÉireann



**DECLARATION**  
  
**OF**  
  
**SPECIFICATION**  
  
**ENTITLED**  
  
**SOFT SOLDER ALLOYS – CHEMICAL COMPOSITIONS AND FORMS**  
  
**(ISO 9453:1990)**  
  
**AS**  
  
**THE IRISH STANDARD SPECIFICATION FOR**  
  
**SOFT SOLDER ALLOYS – CHEMICAL COMPOSITIONS AND FORMS**  
  
**(ISO 9453:1990)**

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Forfás in exercise of the power conferred by section 20 (3) of the Industrial Research and Standards Act, 1961 ( No. 20 of 1961 ) and the Industrial Development Act, 1993 (No. 19 of 1993), and with the consent of the Minister for Enterprise and Employment, hereby declares as follows:

1. This instrument may be cited as the Standard Specification (Soft Solder Alloys – Chemical Compositions and Forms (ISO 9453:1990)) Declaration, 1994.
2. (1) The Specification set forth in the Schedule to this declaration is hereby declared to be the standard specification for Soft Solder Alloys – Chemical Compositions and Forms (ISO 9453:1990). The Schedule comprises the text of EN 29453:1993.  
  
(2) The said standard specification may be cited as Irish Standard/EN 29453:1994 or as I.S./EN 29453:1994.



EUROPEAN STANDARD

**EN 29453**

NORME EUROPÉENNE

EUROPÄISCHE NORM

November 1993

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Descriptors:      Fillers, solders, alloys, chemical composition, form specifications, specifications

English version

**Soft solder alloys - Chemical compositions and  
forms (ISO 9453:1990)**

Alliages de brasage tendre - Composition  
chimique et formes (ISO 9453:1990)

Weichlote - Chemische Zusammensetzung und  
Lieferformen (ISO 9453:1990)

This European Standard was approved by CEN on 1993-11-15. 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

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

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### **Foreword**

In 1993 the International Standard ISO 9453:1990 "Soft solder alloys - Chemical compositions and forms" was submitted to the Formal Vote.

The result was positive.

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

In accordance with the CEN/CENELEC Internal Regulations, 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.

### **Endorsement notice**

The text of the International Standard ISO 9453:1990 was approved by CEN as a European Standard without any modification.

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