



I.S. EN ISO 9409-2:1997

IRISH STANDARD

**MANIPULATING INDUSTRIAL ROBOTS - MECHANICAL  
INTERFACES - PART 2: SHAFTS (FROM A)  
(ISO 9409-2:1996)**

National Standards Authority of Ireland  
Dublin 9  
Ireland

Telephone: (01) 807 3800

Telefax: (01) 807 3838



**DECLARATION**

OF

SPECIFICATION

ENTITLED

MANIPULATING INDUSTRIAL ROBOTS - MECHANICAL INTERFACES - PART 2: SHAFTS

(FROM A) (ISO 9409-2:1996)

AS

THE IRISH STANDARD SPECIFICATION FOR

MANIPULATING INDUSTRIAL ROBOTS - MECHANICAL INTERFACES - PART 2: SHAFTS

(FROM A) (ISO 9409-2:1996)

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NSAI in exercise of the power conferred by section 16 (3) of the National Standards Authority of Ireland Act, 1996 ( No. 28 of 1996 ) and with the consent of the Minister for Enterprise, Trade and Employment, hereby declares as follows:

1. This instrument may be cited as the Standard Specification ( Manipulating industrial robots - Mechanical interfaces - Part 2: Shafts (from A) (ISO 9409-2:1996)) Declaration, 1997.
2. (1) The Specification set forth in the Schedule to this declaration is hereby declared to be the standard specification for Manipulating industrial robots - Mechanical interfaces - Part 2: Shafts (from A) (ISO 9409-2:1996). The Schedule comprises the text of EN ISO 9409-2:1996.  
  
(2) The said standard specification may be cited as Irish Standard EN ISO 9409-2:1997 or as I.S. EN ISO 9409-2:1997.



EUROPEAN STANDARD

**EN ISO 9409-2**

NORME EUROPÉENNE

EUROPÄISCHE NORM

December 1996

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ICS 25.040

Descriptors: See ISO document

English version

**Manipulating industrial robots - Mechanical  
interfaces - Part 2: Shafts (form A)  
(ISO 9409-2:1996)**

Robots manipulateurs industriels - Interfaces  
mécaniques - Partie 2: Interfaces à queue  
(forme A) (ISO 9409-2:1996)

Industrieroboter - Mechanische Schnittstellen  
- Teil 2: Shafts (Form A) (ISO 9409-2:1996)

This European Standard was approved by CEN on 1996-12-05. 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**

The text of the International Standard from Technical Committee ISO/TC 184 "Industrial automation systems and integration" of the International Organization for Standardization (ISO) has been taken over as an European Standard by Technical Committee CEN/TC 310 "Advanced Manufacturing Technologies", the secretariat of which is held by BSI.

Annex A is for information only.

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 June 1997, and conflicting national standards shall be withdrawn at the latest by June 1997.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of 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 the United Kingdom.

### **Endorsement notice**

The text of the International Standard ISO 9409-2:1996 has been approved by CEN as a European Standard without any modification.

NOTE: Normative references to International Standards are listed in annex ZA (normative).

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