



National Standards Authority of Ireland

IRISH STANDARD

I.S. EN 23312 : 1994

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National Standards
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**SINTERED METAL MATERIALS AND
HARDMETALS – DETERMINATION OF
YOUNG MODULUS (ISO 3312:1987)**

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Údarás um Chaighdeáin Náisiúnta na hÉireann

DECLARATION

OF

SPECIFICATION

ENTITLED

SINTERED METAL MATERIALS AND HARDMETALS – DETERMINATION OF

YOUNG MODULUS (ISO 3312:1987)

AS

THE IRISH STANDARD SPECIFICATION FOR

SINTERED METAL MATERIALS AND HARDMETALS – DETERMINATION OF

YOUNG MODULUS (ISO 3312:1987)

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 (Sintered Metal Materials and Hardmetals – Determination of Young Modulus (ISO 3312:1987)) Declaration, 1994.
2. (1) The Specification set forth in the Schedule to this declaration is hereby declared to be the standard specification for Sintered Metal Materials and Hardmetals – Determination of Young Modulus (ISO 3312:1987). The Schedule comprises the text of EN 23312 : 1993.

(2) The said standard specification may be cited as Irish Standard/EN 23312:1994 or as I.S./EN 23312:1994.

EUROPEAN STANDARD

EN 23312:1993

NORME EUROPÉENNE

EUROPÄISCHE NORM

April 1993

UDC 621.762.5:669-492.2:669.018.25:620.1:539.382

Descriptors: Powder metallurgy, sintered products, hard metals, modulus of elasticity, vibration tests

English version

**Sintered metal materials and hardmetals -
Determination of Young modulus
(ISO 3312:1987)**

Matériaux métalliques frittés et métaux-durs -
Détermination du module de Young
(ISO 3312:1987)

Sintermetall und Hartmetalle - Ermittlung des
Elastizitätsmoduls (ISO 3312:1987)

This European Standard was approved by CEN on 1993-04-02. 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

Foreword

In 1992 ISO 3312:1987 "Sintered metal materials and hardmetals - Determination of Young modulus" was submitted to the CEN Primary Questionnaire procedure.

Following the positive result of the CEN/CS Proposal ISO 3312:1987 was submitted to the CEN Formal Vote. The result of the Formal Vote 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 October 1993, and conflicting national standards shall be withdrawn at the latest by October 1993.

According to the Internal Regulations of CEN/CENELEC, 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.

Endorsement notice

The text of the International Standard ISO 3312:1987 was approved by CEN as a European Standard without any modification.

NOTE: The European references to international publications are given in annex ZA (normative).

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