



National Standards Authority of Ireland

IRISH STANDARD

I.S. EN 50112:1995

ICS 17.200.20

MEASUREMENT, CONTROL, REGULATION

ELECTRICAL TEMPERATURE SENSORS

METAL PROTECTING TUBES FOR TC

ASSEMBLIES

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Údarás um Chaighdeán Náisiúnta na hÉireann

EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 50112

September 1994

UDC 536.532:621.362-213

Descriptors: Industrial-process, temperature measurement, electrical temperature sensors, thermocouples, metal protection tubes for thermocouples

English version

**Measurement, control, regulation
Electrical temperature sensors
Metal protecting tubes for TC assemblies**

Mesure, commande, régulation
Capteurs électriques de température
Tubes protecteurs métalliques pour
assemblages de couples
thermoélectriques

Messen, Steuern, Regeln
Elektrische Temperaturaufnehmer
Metall-Schutzrohre für
Thermoelemente

This European Standard was approved by CENELEC on 8 March 1994. CENELEC 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 CENELEC 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 CENELEC member into its own language and notified to the Central Secretariat has the same status as the official versions.

CENELEC members are the national electrotechnical committees of Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.

CENELEC

European Committee for Electrotechnical Standardization
Comité Européen de Normalisation Electrotechnique
Europäisches Komitee für Elektrotechnische Normung

Central Secretariat: rue de Stassart 35, B - 1050 Brussels

Foreword

This European Standard was prepared by the CENELEC Technical Board Working Group BTWG 68-2.

The text of the draft, based on BT (DE / Notification) 160, was submitted to the formal vote in August 1993 and was approved by CENELEC as EN 50112 on 1994-03-08.

The following dates were fixed:

- | | |
|---|-----------------------------|
| - latest date of publication of an identical national standard | (dop) 1995 - 03 - 15 |
| - latest date of withdrawal of conflicting national standards | (dow) 1995 - 03 - 15 |

1 Scope

This standard applies to metal protecting tubes, used for straight thermocouple (t/c) assemblies, where the components parts are exposed to internal or external pressures, (ISO 7268), and where the working conditions have to be taken into consideration for the materials used.

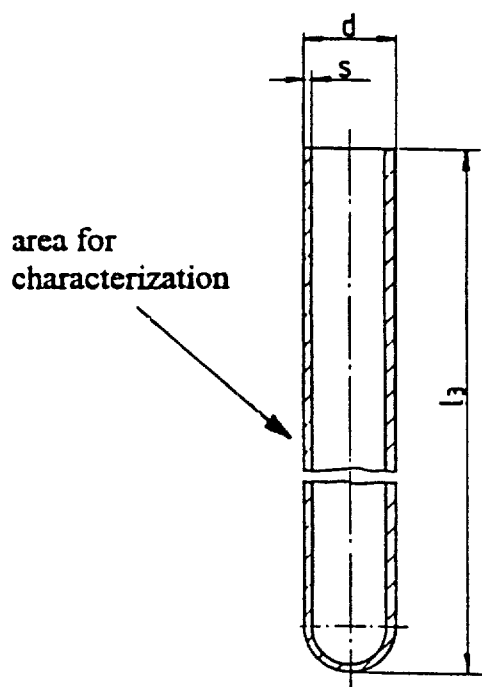
2 Normative references

This European Standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies.

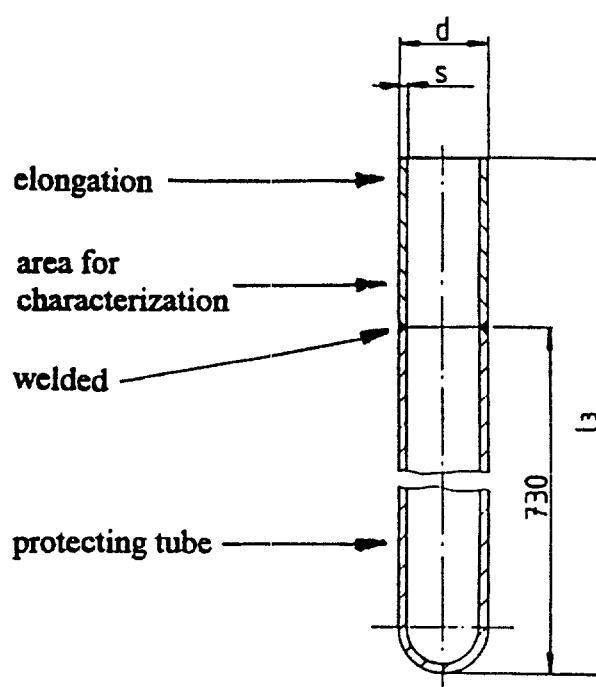
EN 10027		Series Designation systems for steel
EN 10088-1 (under consideration)	-	Stainless steels - Part 1: List of stainless steels
EN 10216-2 (under consideration)	-	Seamless steel tubes for pressure purposes - Technical delivery conditions - Part 2: Unalloyed and alloyed steels with specified elevated temperature properties
ISO 7268	1983	Pipe connections - Definition of nominal pressure.

3 Configurations for protecting tubes dimensions and descriptions

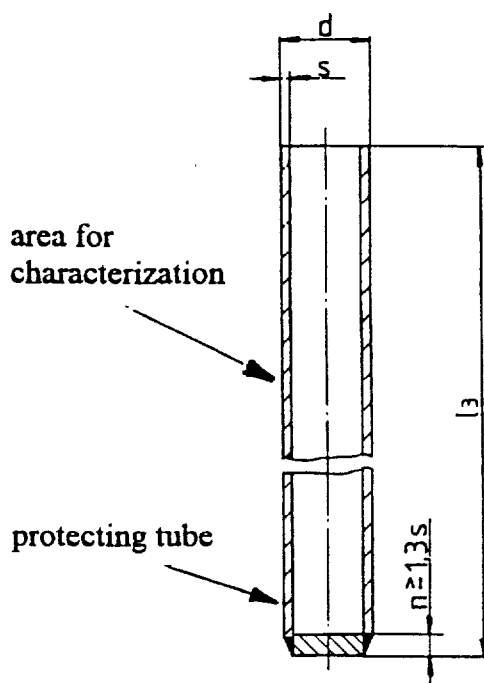
All dimensions are in Millimeters.



Configuration type A:
swaged end



Configuration type B:
elongated protecting tube, swaged end



Configuration type C:
bottom plugged and welded in

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