



National Standards Authority of Ireland

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National Standards
Authority of Ireland
Dublin 9
Ireland

Tel: (01) 807 3800
Tel: (01) 807 3838

FOUNDING - RADIOGRAPHIC EXAMINATION

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This European Standard was approved by CEN on 21 November 2002.

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 Management Centre or to any CEN 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 CEN member into its own language and notified to the Management Centre has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Luxembourg, Malta, Netherlands, Norway, Portugal, Slovakia, Spain, Sweden, Switzerland and United Kingdom.



EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

Management Centre: rue de Stassart, 36 B-1050 Brussels

Contents

	page
Foreword.....	3
Introduction	4
1 Scope	5
2 Normative references	5
3 Terms and definitions.....	6
4 General.....	6
4.1 Protection against ionizing radiations.....	6
4.2 General requirements.....	6
4.3 Agreements	6
4.4 Personnel qualification	7
5 Examination arrangements.....	7
5.1 General.....	7
5.2 Single wall radiography of plane areas	7
5.3 Single wall radiography of curved areas.....	7
5.4 Double wall radiography of plane and curved areas.....	7
5.5 Choice of examination arrangements for complex geometries.....	8
5.6 Acceptable examination area dimensions	8
5.7 Explanation of symbols used in the figures	8
6 Choice of radiation source.....	13
7 Specific film system classes	14
8 Techniques for increasing the covered thickness range	14
8.1 General.....	14
8.2 Multiple film technique	15
8.3 Contrast decreasing by higher radiation energy.....	15
8.4 Beam hardening.....	16
8.5 Thickness equalization.....	16
9 Radiographs	16
9.1 Identification of radiograph, examined area, film position plan	16
9.2 Marking of the test areas.....	16
9.3 Overlap of films.....	16
10 Verification of image quality	16
11 Radiograph density requirements.....	17
12 Influence of crystalline structure	17
Annex A (informative) Possible discontinuities in castings — Reference radiographs and designation	18
Bibliography	22

Foreword

This document (EN 12681:2003) has been prepared by Technical Committee CEN/TC 190 "Foundry Technology", the secretariat of which is held by DIN.

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 July 2003, and conflicting national standards shall be withdrawn at the latest by July 2003.

Within its programme of work, Technical Committee CEN/TC 190 requested CEN/TC 190/WG 4.10 "Inner defects" to prepare the following standard:

EN 12681, *Founding — Radiographic examination*.

Annex A is informative.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Malta, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and the United Kingdom.

EN 12681:2003 (E)

Introduction

Radiography can be used to detect internal discontinuities in a casting. The discontinuities can be gas cavities, non-metallic inclusions, shrinkage, cracks, chaplets or chills or inclusions that have lower or higher densities than the parent metal.

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