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NSAI Standards

Irish Standard
I.S. EN 1371-1:2011

Founding - Liquid penetrant testing- Part 1: Sand, gravity die and low pressure die castings

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EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN 1371-1

November 2011

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English Version

Founding - Liquid penetrant testing- Part 1: Sand, gravity die and low pressure die castings

Fonderie - Contrôle par ressuage - Partie 1: Pièces moulées en sable, en coquille, par gravité et basse pression

Gießereiwesen - Eindringprüfung - Teil 1: Sand-, Schwerkraftkokillen- und Niederdruckkokillengussstücke

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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 CEN-CENELEC Management Centre has the same status as the official versions.

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Foreword

This document (EN 1371-1:2011) 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of an identical text or by endorsement, at the latest by May 2012, and conflicting national standards shall be withdrawn at the latest by May 2012.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN [and/or CENELEC] shall not be held responsible for identifying any or all such patent rights.

This document supersedes EN 1371-1:1997.

Within its programme of work, Technical Committee CEN/TC 190 requested CEN/TC 190/WG 11 "Surface inspection" to revise the following standard:

— EN 1371-1, *Founding — Liquid penetrant testing — Part 1: Sand, gravity die and low pressure die castings*

This is one of two European Standards for liquid penetrant testing for castings.

The other standard is:

— EN 1371-2, *Founding — Liquid penetrant inspection — Part 2: Investment castings*

Annex G provides details of significant technical changes between this European Standard and the previous edition.

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

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Introduction

This European Standard complements the general principles of liquid penetrant testing given in EN 571-1 for the additional requirements for castings.

Liquid penetrant testing as well as any other non-destructive examination method is part of a general or specific assessment of the quality of a casting to be agreed between the manufacturer and the purchaser at the time of acceptance of the order.

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