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NSAI Standards

Irish Standard
I.S. EN ISO 9934-2:2015

Non-destructive testing - Magnetic particle testing - Part 2: Detection media (ISO 9934-2:2015)

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National Foreword

I.S. EN ISO 9934-2:2015 is the adopted Irish version of the European Document EN ISO 9934-2:2015, Non-destructive testing - Magnetic particle testing - Part 2: Detection media (ISO 9934-2:2015)

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EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN ISO 9934-2

September 2015

ICS 19.100

Supersedes EN ISO 9934-2:2002

English Version

Non-destructive testing - Magnetic particle testing - Part 2: Detection media (ISO 9934-2:2015)

Essais non destructifs - Magnétoscopie - Partie 2: Produits indicateurs (ISO 9934-2:2015)

Zerstörungsfreie Prüfung - Magnetpulverprüfung - Teil 2: Prüfmittel (ISO 9934-2:2015)

This European Standard was approved by CEN on 10 July 2015.

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European foreword **3**

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European foreword

This document (EN ISO 9934-2:2015) has been prepared by Technical Committee CEN/TC 138 “Non-destructive testing”, the secretariat of which is held by AFNOR, in collaboration with Technical Committee ISO/TC 135 “Non-destructive testing”.

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of an identical text or by endorsement, at the latest by March 2016, and conflicting national standards shall be withdrawn at the latest by March 2016.

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 ISO 9934-2:2002.

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INTERNATIONAL STANDARD

ISO 9934-2

Second edition
2015-09-01

Non-destructive testing — Magnetic particle testing —

Part 2: Detection media

Essais non destructifs — Magnétoscopie —

Partie 2: Produits indicateurs

Reference number
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Foreword

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ISO 9934-2 was prepared by the European Committee for Standardization (CEN) Technical Committee CEN/TC 138, *Non-destructive testing*, in collaboration with ISO/TC 135, *Non-destructive testing*, Subcommittee SC 2, *Surface methods*, in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement).

This second edition cancels and replaces the first edition (ISO 9934-2:2002), which has been technically revised.

ISO 9934 consists of the following parts under the general title *Non-destructive testing — Magnetic particle testing*:

— *Part 1: General principle*

— *Part 2: Detection media*

— *Part 3: Equipment*

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Non-destructive testing — Magnetic particle testing —

Part 2: Detection media

1 Scope

This part of ISO 9934 specifies the significant properties of magnetic particle testing products (including magnetic ink, powder, carrier liquid, contrast aid paints) and the methods for checking their properties.

2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 2160, *Petroleum products — Corrosiveness to copper — Copper strip test*

ISO 2591-1, *Test sieving — Part 1: Methods using test sieves of woven wire cloth and perforated metal plate*

ISO 3059, *Non-destructive testing — Penetrant testing and magnetic particle testing — Viewing conditions*

ISO 3104, *Petroleum products — Transparent and opaque liquids — Determination of kinematic viscosity and calculation of dynamic viscosity*

ISO 4316, *Surface active agents — Determination of pH of aqueous solutions — Potentiometric method*

ISO 9934-1, *Non-destructive testing — Magnetic particle testing — Part 1: General principle*

ISO 9934-3, *Non-destructive testing — Magnetic particle testing — Part 3: Equipment*

ISO 12707, *Non-destructive testing — Terminology — Terms used in magnetic particle testing*

EN 1330-1, *Non-destructive testing — Terminology — Part 1: List of general terms*

EN 1330-2, *Non-destructive testing — Terminology — Part 2: Terms common to the non-destructive testing methods*

EN 1330-7, *Non-destructive testing — Terminology — Part 7: Terms used in magnetic particle testing*

EN 10083-2, *Quenched and tempered steels — Part 2: Technical delivery conditions for non-alloy steels*

EN 10204, *Metallic products — Types of inspection documents*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in EN 1330-1, EN 1330-2, EN 1330-7, ISO 12707, and the following apply.

3.1
batch
quantity of material produced during one manufacturing operation having uniform properties throughout and with a unique identifying number or mark

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