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## Steel and iron castings — Magnetic particle testing

*Pièces moulées en acier et en fer — Contrôle par magnétoscopie*



Reference number  
ISO 4986:2020(E)

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## Contents

	Page
<b>Foreword</b> .....	<b>iv</b>
<b>Introduction</b> .....	<b>v</b>
<b>1 Scope</b> .....	<b>1</b>
<b>2 Normative references</b> .....	<b>1</b>
<b>3 Terms and definitions</b> .....	<b>1</b>
<b>4 Ordering information</b> .....	<b>1</b>
<b>5 Testing</b> .....	<b>2</b>
5.1 Operating mode.....	2
5.2 Qualification of the operators.....	2
5.3 Surface preparation.....	2
5.4 Conditions of testing.....	2
<b>6 Acceptance criteria</b> .....	<b>3</b>
6.1 Definition of magnetic particle testing indications.....	3
6.1.1 General.....	3
6.1.2 Non-linear indications (SM).....	3
6.1.3 Linear indications (LM) and aligned indications (AM).....	3
6.2 Severity levels.....	4
6.2.1 General.....	4
6.2.2 Non-linear indications.....	4
6.2.3 Linear and aligned indications.....	4
6.2.4 Selection of the severity level.....	5
6.2.5 Designation of severity levels.....	5
<b>7 Classification of the indications and interpretation of results</b> .....	<b>5</b>
7.1 Classification of the indications using <a href="#">Tables 1</a> and <a href="#">2</a> .....	<a href="#">5</a>
7.1.1 General.....	5
7.1.2 Non-linear indications.....	5
7.1.3 Linear and aligned indications.....	6
7.2 Interpretation of results.....	6
<b>8 Cleaning after examination and demagnetization</b> .....	<b>6</b>
<b>9 Test report</b> .....	<b>6</b>
<b>Annex A (informative) Recommended surface finish for magnetic particle testing</b> .....	<b>8</b>
<b>Annex B (informative) Reference figures — Non-linear indications (SM)</b> .....	<b>9</b>
<b>Annex C (informative) Reference figures — Linear (LM) and aligned (AM) indications</b> .....	<b>14</b>
<b>Annex D (informative) Model of a magnetic particle test report</b> .....	<b>29</b>
<b>Bibliography</b> .....	<b>31</b>

## Foreword

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The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see [www.iso.org/directives](http://www.iso.org/directives)).

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This document was prepared by Technical Committee ISO/TC 17, *Steel*, Subcommittee SC 11, *Steel castings*.

This third edition cancels and replaces the second edition (ISO 4986:2010), which has been technically revised. The main changes compared to the previous edition are as follows:

- addition of definition of a cluster of non-linear (SM) in [6.1.2](#);
- addition of “aligned (AM) indications” in [6.1.3](#), [6.2.3](#), [6.2.4](#), [7.1.3](#) and [Annex C](#)

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at [www.iso.org/members.html](http://www.iso.org/members.html).

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## Introduction

This document complements the general principles of magnetic particle testing described in ISO 9934-1 with additional requirements of the steel foundry industry.

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