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Third edition
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Steels — Determination of the depth of decarburization

Aciers — Détermination de la profondeur de décarburation



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Contents

	Page
Foreword	iv
1 Scope	1
2 Normative references	1
3 Terms and definitions	1
4 Sampling	2
5 Measuring methods	2
5.1 General.....	2
5.2 Metallographic method.....	3
5.2.1 General.....	3
5.2.2 Selection and preparation of the sample.....	3
5.2.3 Measurement.....	3
5.3 Methods for measuring the micro-indentation hardness.....	5
5.3.1 General.....	5
5.3.2 Selection and preparation of the sample.....	7
5.3.3 Measurement.....	7
5.4 Methods of determination of the carbon content.....	9
5.4.1 General.....	9
5.4.2 Chemical analysis.....	9
5.4.3 Spectrographic analysis.....	9
5.4.4 Interpretation of the results (chemical and spectrographic methods).....	9
5.4.5 Electron probe microanalysis (EPMA).....	9
5.4.6 Glow discharge optical emission spectrometry (GDOES).....	10
6 Test report	10
Annex A (informative) Examples of typical decarburization microstructure	12

Foreword

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This document was prepared by Technical Committee ISO/TC 17, *Steel*, Subcommittee SC 7, *Methods of testing (other than mechanical tests and chemical analysis)*.

This third edition cancels and replaces the second edition (ISO 3887:2003), which has been technically revised. The following changes have been made:

- the scope has been expanded from “non-alloy and low-alloy steels” to “steel products”;
- the definitions of “partial decarburization” and “complete decarburization” have been modified;
- the term “depth of ferrite decarburization” has been deleted;
- the terms “depth profile of carbon content” and “depth profile of hardness” have been added;
- more measurement details for the micro-indentation hardness method have been added;
- two new methods of measuring the carbon depth profile, by GDOES and EPMA, have been added;
- examples of typical decarburization microstructures have been added.