BS EN ISO 3887:2018

BSI Standards Publication

Steels – Determination of the depth of decarburization (ISO 3887:2017)

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National foreword

This British Standard is the UK implementation of EN ISO 3887:2018. It is identical to ISO 3887:2017. It supersedes BS EN ISO 3887:2003, which is withdrawn.

The UK participation in its preparation was entrusted to Technical Committee ISE/101/7, Methods of physical and metallographic testing.

A list of organizations represented on this committee can be obtained on request to its secretary.

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Aciers - Détermination de la profondeur de décarburation (ISO 3887:2017)

Stahl - Bestimmung der Entkohlungstiefe (ISO 3887:2017)

This European Standard was approved by CEN on 21 November 2017.

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European foreword

This document (EN ISO 3887:2018) has been prepared by Technical Committee ISO/TC 17 “Steel” in collaboration with Technical Committee ECISS/TC 101 “Test methods for steel (other than chemical analysis)” the secretariat of which is held by AFNOR.

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of an identical text or by endorsement, at the latest by July 2018, and conflicting national standards shall be withdrawn at the latest by July 2018.

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

This document supersedes EN ISO 3887:2003.

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, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

Endorsement notice

The text of ISO 3887:2017 has been approved by CEN as EN ISO 3887:2018 without any modification.

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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.

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