



BSI Standards Publication

Copper and copper alloys — Eddy current test for measuring defects on seamless round copper and copper alloy tubes

Part 2: Test with an internal probe on the inner surface

National foreword

This British Standard is the UK implementation of [EN 1971-2:2019](#). It supersedes [BS EN 1971-2:2011](#), which is withdrawn.

The UK participation in its preparation was entrusted to Technical Committee NFE/34, Copper and copper alloys.

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

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

© The British Standards Institution 2019
Published by BSI Standards Limited 2019

ISBN 978 0 539 02742 6

ICS 77.150.30; 23.040.15

Compliance with a British Standard cannot confer immunity from legal obligations.

This British Standard was published under the authority of the Standards Policy and Strategy Committee on 31 December 2019.

Amendments/corrigenda issued since publication

Date	Text affected
------	---------------

English Version

Copper and copper alloys — Eddy current test for
measuring defects on seamless round copper and copper
alloy tubes — Part 2: Test with an internal probe on the
inner surface

Cuivre et alliages de cuivre — Méthode de contrôle
par courants de Foucault pour le mesurage
des défauts des tubes ronds sans soudure en
cuivre et alliages de cuivre — Partie 2 : Essai
avec un capteur interne sur la paroi interne

Kupfer und Kupferlegierungen —
Wirbelstromprüfung an Rohren zur Messung von
Fehlern an nahtlos gezogenen runden Rohren
aus Kupfer und Kupferlegierungen — Teil 2:
Prüfung mit Innensonde auf der Innenseite

This European Standard was approved by CEN on 4 September 2019.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN-CENELEC Management Centre or to any CEN member.

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.

CEN members are the national standards bodies of 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, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and United Kingdom.



EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

CEN-CENELEC Management Centre: Avenue Marnix 17, B-1000 Brussels

Contents

Page

European foreword	iii
Introduction	iv
1 Scope	5
2 Normative references	5
3 Terms and definitions	5
4 General requirements	5
4.1 Personnel qualification	5
4.2 Condition of tube to be tested	5
4.3 Equipment	6
5 Reference standard tube	6
6 Acceptance criteria	7
6.1 Detection of local discontinuities by internal probes systems	7
6.2 Detection of non-local discontinuities by internal probes systems with lower detection levels	7
6.3 Other test methods	7
7 Instrument adjustment	8
Bibliography	9