



NSAI
Standards

Irish Standard
I.S. EN 13348:2008

Copper and copper alloys - Seamless, round copper tubes for medical gases or vacuum

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I.S. EN 13348:2008

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English Version

Copper and copper alloys - Seamless, round copper tubes for medical gases or vacuum

Cuivre et alliages de cuivre - Tubes ronds sans soudure en cuivre pour gaz médicaux ou le vide

Kupfer und Kupferlegierungen - Nahtlose Rundrohre aus Kupfer für medizinische Gase oder Vakuum

This European Standard was approved by CEN on 30 May 2008.

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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 Management Centre has the same status as the official versions.

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Contents

Page

Foreword.....	3
Introduction	5
1 Scope	6
2 Normative references	6
3 Terms and definitions	6
4 Designations	7
5 Ordering information	8
6 Requirements	9
7 Sampling	14
8 Test methods.....	15
9 Inspection documentation	16
10 Packaging, marking and form of delivery	16
Annex A (normative) Marking durability test	19
Annex ZA (informative) Relationship between this European Standard and the Essential Requirements of EU Pressure Equipment Directive (PED) 97/23/EC	20
Bibliography	21
Tables	
Table 1 — Mechanical properties	10
Table 2 — Nominal outside diameters and wall thicknesses	11
Table 3 — Tolerances on outside diameter	12
Table 4 — Tolerance on wall thickness	12
Table 5 — Testing of bending and drift expanding	14
Table 6 — Sampling rate	14
Table 7 — Minimum radius of curvature	15
Table 8 — Maximum drill diameters for the reference standard tube	16
Table 9 — Recommended form of delivery	18
Table ZA.1 — Correspondence between this European Standard and Directive 97/23/EC	20

Foreword

This document (EN 13348:2008) has been prepared by Technical Committee CEN/TC 133 "Copper and copper alloys", the secretariat of which is held by DIN.

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of an identical text or by endorsement, at the latest by February 2009, and conflicting national standards shall be withdrawn at the latest by February 2009.

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 13348:2001 and EN 13348:2001/A1:2005.

This document has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association, and supports essential requirements of the EU Pressure Equipment Directive (PED) 97/23/EC.

For relationship with EU Directive 97/23/EC, see informative Annex ZA, which is an integral part of this document.

Relationship with EU Directive MDD 93/42/EEC: Copper tubes according to EN 13348 cannot be considered as medical devices according EU Directive MDD 93/42/EEC.

Within its programme of work, Technical Committee CEN/TC 133 requested CEN/TC 133/WG 3 "Copper tubes (installation and industrial)" to revise EN 13348:2001:

EN 13348, *Copper and copper alloys — Seamless, round copper tubes for medical gases or vacuum*

In comparison with the first edition of EN 13348:2001, the following significant technical changes were made:

- a) The size range has been increased (6 mm to 133 mm);
- b) EN 10232 replaced by EN ISO 8491;
- c) EN 10234 replaced by EN ISO 8493.

This is one of a series of European Standards for copper and copper alloy tubes. Other products are specified as follows:

EN 1057, *Copper and copper alloys — Seamless, round copper tubes for water and gas in sanitary and heating applications*

EN 12449, *Copper and copper alloys — Seamless, round tubes for general purposes*

EN 12450, *Copper and copper alloys — Seamless, round copper capillary tubes*

EN 12451, *Copper and copper alloys — Seamless, round tubes for heat exchangers*

EN 12452, *Copper and copper alloys — Rolled, finned, seamless tubes for heat exchangers*

EN 12735-1, *Copper and copper alloys — Seamless, round copper tubes for air conditioning and refrigeration — Part 1: Tubes for piping systems*

EN 12735-2, *Copper and copper alloys — Seamless, round copper tubes for air conditioning and refrigeration — Part 2: Tubes for equipment*

EN 13349, *Copper and copper alloys — Pre-insulated copper tubes with solid covering*

EN 13600, *Copper and copper alloys — Seamless copper tubes for electrical purposes.*

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