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NSAI Standards

Irish Standard
I.S. EN 13957:2008

Aluminium and aluminium alloys - Extruded round, coiled tube for general applications - Specification

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I.S. EN 13957:2008

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I.S. EN 13957:2008

EUROPEAN STANDARD

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EN 13957

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Supersedes EN 13957:2003

English Version

Aluminium and aluminium alloys - Extruded round, coiled tube for general applications - Specification

Aluminium et alliages d'aluminium - Tubes ronds filés, fournis en couronnes pour applications générales - Spécification

Aluminium und Aluminiumlegierungen - Stranggepresste Rundrohre in Ringen für allgemeine Anwendungen - Spezifikation

This European Standard was approved by CEN on 6 September 2008.

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Foreword

This document (EN 13957:2008) has been prepared by Technical Committee CEN/TC 132 “Aluminium and aluminium alloys”, 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of an identical text or by endorsement, at the latest by April 2009, and conflicting national standards shall be withdrawn at the latest by April 2009.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 13957:2003.

Within its programme of work, Technical Committee CEN/TC 132 entrusted CEN/TC 132/WG 5 "Extruded and drawn products" to revise EN 13957:2003.

The following editorial modifications have been introduced during the revision:

— the contents, text and tables have been changed to bring this European Standard in line with EN 755.

The following technical modifications have been introduced during the revision:

— Clause 1 has been amended to make clear the products covered by this European Standard and those which are not. In addition, the list of the most commonly used general engineering alloys is replaced by a reference to the alloy group only.

— Clauses 3 and 4 including Tables: the text and the tables are updated.

— Annex A (informative) has been added to provide further explanation of wall thickness variation (eccentricity) along with some examples.

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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, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and the United Kingdom.

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1 Scope

This European Standard specifies the tolerances on dimensions and form of round aluminium and aluminium alloys porthole extruded tubes with an outside diameter (*OD*) of over 2 mm up to and including 50 mm supplied in coil form or in straight lengths cut from coiled material: see Figure 1.

This European Standard mainly applies to round extruded tube for general engineering applications manufactured in 1xxx series of aluminium and 3xxx series of alloys. The use of this European Standard for non-standardised 1xxx aluminium and 3xxx alloys or alloys from other series, e.g. 5xxx or 6xxx, is subject to agreement between supplier and purchaser.

This European Standard only applies to:

— round tube produced by the porthole/bridge method, extruded in coil form to the final dimensions required;

— tube as above but delivered in straight lengths cut from coiled material.

This European Standard does not apply to:

— seamless extruded (die/mandrel method) tubes (EN 755-7);

— tubes extruded in straight lengths (i.e. not coiled) (EN 755-8).

2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

EN 515, *Aluminium and aluminium alloys — Wrought products — Temper designations*

EN 573-3, *Aluminium and aluminium alloys — Chemical composition and form of wrought products — Part 3: Chemical composition and form of products*

EN 755-2, *Aluminium and aluminium alloys — Extruded rod/bar, tube and profiles — Part 2: Mechanical properties*

EN 12258-1:1998, *Aluminium and aluminium alloys — Terms and definitions — Part 1: General terms*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in EN 12258-1:1998 and the following apply.

3.1
order document
document or set of documents agreed between supplier and purchaser at the time of ordering

4 Ordering information

The order document shall contain the following:

a) form and type of product:

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