



**NSAI**  
Standards

Irish Standard  
I.S. EN 754-7:2016

# Aluminium and aluminium alloys - Cold drawn rod/bar and tube - Part 7: Seamless tubes, tolerances on dimensions and form

**I.S. EN 754-7:2016**

*Incorporating amendments/corrigenda/National Annexes issued since publication:*

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I.S. xxx: Irish Standard — national specification based on the consensus of an expert panel and subject to public consultation.

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## National Foreword

I.S. EN 754-7:2016 is the adopted Irish version of the European Document EN 754-7:2016, Aluminium and aluminium alloys - Cold drawn rod/bar and tube - Part 7: Seamless tubes, tolerances on dimensions and form

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EUROPEAN STANDARD

EN 754-7

NORME EUROPÉENNE

EUROPÄISCHE NORM

June 2016

ICS 77.150.10

Supersedes EN 754-7:2008

English Version

## Aluminium and aluminium alloys - Cold drawn rod/bar and tube - Part 7: Seamless tubes, tolerances on dimensions and form

Aluminium et alliages d'aluminium - Barres et tubes  
étirés - Partie 7 : Tubes filés sur aiguille, tolérances sur  
dimensions et forme

Aluminium und Aluminiumlegierungen - Gezogene  
Stangen und Rohre - Teil 7: Nahtlose Rohre,  
Grenzabmaße und Formtoleranzen

This European Standard was approved by CEN on 11 April 2016.

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



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EUROPÄISCHES KOMITEE FÜR NORMUNG

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

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## European foreword

This document (EN 754-7:2016) 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 December 2016, and conflicting national standards shall be withdrawn at the latest by December 2016.

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 754-7:2008.

The following technical modifications have been introduced during the revision:

- correction of Subclause 3.2, Diameter - Round tube.

EN 754 comprises the following parts under the general title *Aluminium and aluminium alloys — Cold drawn rod/bar and tube*:

- *Part 1: Technical conditions for inspection and delivery;*
- *Part 2: Mechanical properties;*
- *Part 3: Round bars, tolerances on dimensions and form;*
- *Part 4: Square bars, tolerances on dimensions and form;*
- *Part 5: Rectangular bars, tolerances on dimensions and form;*
- *Part 6: Hexagonal bars, tolerances on dimensions and form;*
- *Part 7: Seamless tubes, tolerances on dimensions and form;*
- *Part 8: Porthole tubes, tolerances on dimensions and form.*

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, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

## EN 754-7:2016 (E)

## 1 Scope

This European Standard specifies the tolerances on dimensions and form for aluminium and aluminium alloys cold drawn seamless tubes with an outside diameter ( $OD$ ) from 3 mm to 350 mm (round tube, see Figure 1) or with a cross section contained within a circumscribing circle ( $CD$ ) from 8 mm to 300 mm (other than round tube, see Figure 2) supplied in straight lengths.

This European Standard only applies to tube produced by the seamless die/mandrel method of extrusion (and then cold drawn to the final dimensions required).

The temper designations used in this part are according to EN 515.

This document applies to cold drawn, seamless tube for general engineering applications.

This document does not apply to:

- cold drawn tube produced by the porthole/bridge method (EN 754-8),
- tubes delivered in coils (EN 13958),
- coiled tubes cut to length (EN 13958).

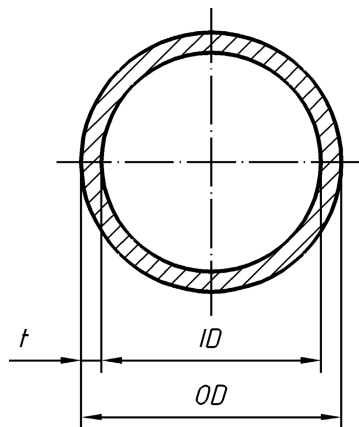


Figure 1 — Round tube

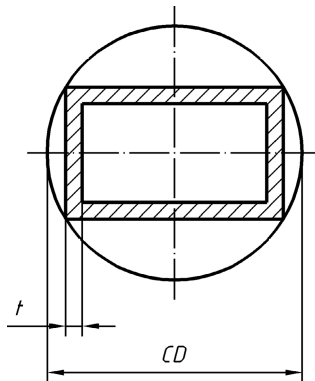


Figure 2 — Circumscribing circle for other than round tube



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