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**BS EN 755-8:2016**



**BSI Standards Publication**

# **Aluminium and aluminium alloys — Extruded rod/bar, tube and profiles**

Part 8: Porthole tubes, tolerances on dimensions and form

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This British Standard is the UK implementation of EN 755-8:2016. It supersedes BS EN 755-8:2008 which is withdrawn.

The UK participation in its preparation was entrusted to Technical Committee NFE/35, Light metals and their alloys.

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

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## Aluminium and aluminium alloys - Extruded rod/bar, tube and profiles - Part 8: Porthole tubes, tolerances on dimensions and form

Aluminium et alliages d'aluminium - Barres, tubes et profilés filés - Partie 8 : Tubes filés à pont, tolérances sur dimensions et forme

Aluminium und Aluminiumlegierungen - Stranggepresste Stangen, Rohre und Profile - Teil 8: Mit Kammerwerkzeug stranggepresste Rohre, Grenzabmaße und Formtoleranzen

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

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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-CENELEC Management Centre has the same status as the official versions.

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EUROPEAN COMMITTEE FOR STANDARDIZATION  
COMITÉ EUROPÉEN DE NORMALISATION  
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**CEN-CENELEC Management Centre: Avenue Marnix 17, B-1000 Brussels**

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| <b>Contents</b>  | <b>Page</b> |
|--|-------------|
| European foreword.....   | 3           |
| <b>1 Scope</b> .....   | <b>4</b>    |
| <b>2 Normative references</b> .....  | <b>5</b>    |
| <b>3 Tolerances on dimensions</b> .....  | <b>5</b>    |
| 3.1 General.....   | 5           |
| 3.2 Diameter - Round tube.....   | 5           |
| 3.3 Width, depth or width across flats - squares, rectangles, hexagons, octagons.....      | 6           |
| 3.4 Wall thickness variation (eccentricity).....   | 7           |
| 3.5 Length.....  | 8           |
| 3.6 Squareness of cut ends.....  | 9           |
| <b>4 Tolerances on form</b> .....  | <b>9</b>    |
| 4.1 General.....   | 9           |
| 4.2 Straightness.....  | 9           |
| 4.3 Convexity-Concavity.....   | 10          |
| 4.4 Twist.....   | 11          |
| 4.5 Angularity.....  | 12          |
| 4.6 Corner and fillet radii.....   | 13          |
| 4.7 Depth of dents for round tube.....   | 14          |
| <b>Annex A (informative) Wall thickness variation (eccentricity)</b> .....                 | <b>15</b>   |
| A.1 General.....   | 15          |
| A.2 Specifying round tube sizes and tolerances.....  | 15          |
| A.2.1 General.....   | 15          |
| A.2.2 Wall thickness variation for tubes specified as $OD \times t$ or $ID \times t$ ..... | 15          |
| A.2.3 Wall thickness variation for tubes specified as $OD \times ID$ .....                 | 16          |
| <b>Bibliography</b> .....  | <b>17</b>   |

This is a preview of "BS EN 755-8:2016". [Click here to purchase the full version from the ANSI store.](#)

## European foreword

This document (EN 755-8:2016) 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 755-8:2008.

The following technical modifications have been introduced during the revision:

- Figure 1;
- Subclause 3.2 Diameter - Round tube.

EN 755 comprises the following parts under the general title *Aluminium and aluminium alloys — Extruded rod/bar, tube and profiles*:

- *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;*
- *Part 9: Profiles, 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.

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## 1 Scope

This European Standard specifies the tolerances on dimensions and form for aluminium and aluminium alloy extruded porthole tubes with an outside diameter ( $OD$ ) from 8 mm to 450 mm (round tube, see Figure 1) or with a cross section contained within a circumscribing circle ( $CD$ ) from 10 mm to 350 mm (other than round tube, see Figure 2), supplied in straight lengths.

This European Standard only applies to extruded porthole tube for general engineering applications made in the following alloys:

- EN AW-1050A, EN AW-1200, EN AW-1350;
- EN AW-3003, EN AW-3103;
- EN AW-5005, EN AW-5005A, EN AW-5049, EN AW-5051A, EN AW-5251, EN AW-5052;
- EN AW-6101A, EN AW-6101B, EN AW-6005, EN AW-6005A, EN AW-6008, EN AW-6110A, EN AW-6012, EN AW-6014, EN AW-6018, EN AW-6351, EN AW-6060, EN AW-6360, EN AW-6061, EN AW-6261, EN AW-6262, EN AW-6262A, EN AW-6063, EN AW-6063A, EN AW-6463, EN AW-6065, EN AW-6081, EN AW-6082; EN AW-6182;
- EN AW-7003, EN AW-7005, EN AW-7108, EN AW-7108A, EN AW-7020.

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

This European Standard only applies to tube produced by the tube porthole/bridge method.

This European Standard does not apply to:

- extruded tubes produced by the seamless, die/mandrel method (EN 755-7),
- tubes delivered in coils (EN 13957),
- coiled tubes cut to length (EN 13957).

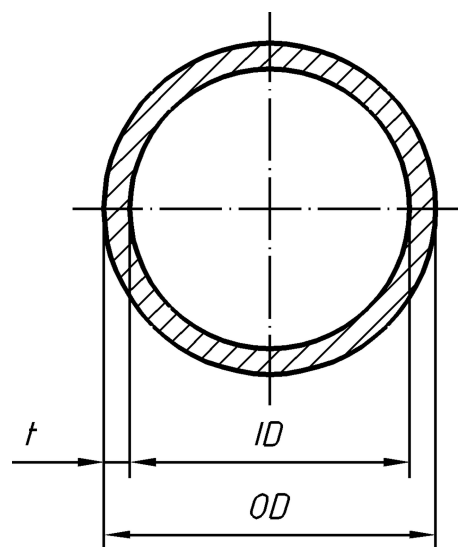


Figure 1 — Round tube