



**SLOVENSKI STANDARD**  
**SIST EN 2369:2018**

**01-december-2018**

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**Aeronavtika - Žice, zlitine, odporne proti vročini - Premer  $0,2 \text{ mm} \leq D \leq 8 \text{ mm}$  -  
Mere**

Aerospace series - Wires, heat resisting alloys - Diameter  $0,2 \text{ mm} \leq D \leq 8 \text{ mm}$  -  
Dimensions

Luft- und Raumfahrt - Drähte, aus Hochwarmfesten Legierungen - Durchmesser  $0,2 \text{ mm}$   
 $\leq D \leq 8 \text{ mm}$  - Maße

Série aérospatiale - Fils, en alliages résistant à chaud - Diamètre  $0,2 \text{ mm} \leq D \leq 8 \text{ mm}$  -  
Dimensions

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**Ta slovenski standard je istoveten z: EN 2369:2018**

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**ICS:**

29.060.10	Žice	Wires
49.025.01	Materiali za letalsko in vesoljsko gradnjo na splošno	Materials for aerospace construction in general

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**en,fr,de**

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EUROPEAN STANDARD

EN 2369

NORME EUROPÉENNE

EUROPÄISCHE NORM

October 2018

ICS 49.025.01

English Version

## Aerospace series - Wires, heat resisting alloys - Diameter 0,2 mm ≤ D ≤ 8 mm - Dimensions

Série aérospatiale - Fils, en alliages résistant à chaud -  
Diamètre 0,2 mm ≤ D ≤ 8 mm - Dimensions

Luft- und Raumfahrt - Drähte, aus Hochwarmfesten  
Legierungen - Durchmesser 0,2 mm ≤ D ≤ 8 mm - Maße

This European Standard was approved by CEN on 26 February 2018.

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

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

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

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## European foreword

This document (EN 2369:2018) has been prepared by the Aerospace and Defence Industries Association of Europe - Standardization (ASD-STAN).

After enquiries and votes carried out in accordance with the rules of this Association, this Standard has received the approval of the National Associations and the Official Services of the member countries of ASD, prior to its presentation to CEN.

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 2019, and conflicting national standards shall be withdrawn at the latest by April 2019.

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.

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

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## EN 2369:2018 (E)

### 1 Scope

This European Standard specifies the dimensions and tolerances of heat resisting alloys wire used in aerospace construction.

### 2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements 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 4700-004, *Aerospace series — Steel and heat resisting alloys — Wrought products — Technical specification — Part 004: Wire*

### 3 Terms and definitions

No terms and definitions are listed in this document.

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

- IEC Electropedia: available at <http://www.electropedia.org/>
- ISO Online browsing platform: available at <http://www.iso.org/obp>

### 4 Materials

The materials are defined in the material standards.

### 5 Required characteristics

#### 5.1 Preferred diameters

See Table 1.

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Table 1

Dimensions in millimetres

Diameter	Cross sectional area mm <sup>2</sup>	Mass <sup>a</sup> kg/m	Diameter	Cross sectional area mm <sup>2</sup>	Mass <sup>a</sup> kg/m
0,2	0,031	0,000 3	2,0	3,14	0,025
0,3	0,071	0,000 6	2,2	3,80	0,031
0,4	0,126	0,001 0	2,5	4,90	0,040
0,5	0,196	0,001 6	2,8	6,16	0,050
0,6	0,283	0,002 4	3,0	7,09	0,057
0,7	0,385	0,003 1	3,5	9,62	0,078
0,8	0,503	0,004 1	4,0	12,57	0,102
0,9	0,636	0,005 2	4,5	15,90	0,129
1,0	0,785	0,006 4	5,0	19,63	0,159
1,2	1,131	0,009 2	6,0	28,27	0,229
1,4	1,539	0,012 5	6,3	31,17	0,252
1,6	2,011	0,016 3	7,0	38,48	0,312
1,8	2,545	0,020 6	8,0	50,27	0,407

<sup>a</sup> Calculated on the basis of an average density of 8,1 g/cm<sup>3</sup>.

## 5.2 Tolerances on diameter

See Table 2.

Table 2

Dimensions in millimetres

Diameter	Tolerance
$D \leq 0,4$	$\pm 0,006$
$0,4 < D \leq 0,8$	$\pm 0,013$
$0,8 < D \leq 1,2$	$\pm 0,020$
$1,2 < D \leq 2,0$	$\pm 0,030$
$2,0 < D \leq 3,0$	$\pm 0,040$
$3,0 < D \leq 4,5$	$\pm 0,045$
$4,5 < D \leq 8,0$	$\pm 0,050$

**EN 2369:2018 (E)****6 Designation**

The designation of wire defined in this European Standard may include the following elements:

- Name,
- Number of material standard,
- Dimensions (diameter, length or mass),
- Number of dimension standard.

**7 Technical specification**

The wire supplied to this European Standard shall conform with the requirements of EN 4700-004.

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