SLOVENSKI STANDARD
oSIST prEN 3628:2022

01-junij-2022

Aeronavtika - Vlečena zaklepna žica - Korozijsko odporna pločevina

Aerospace series - Lockwire, drawn - Corrosion resisting steel

Luft- und Raumfahrt - Sicherungsdraht, gezogen - Aus korrosionsbeständigem Stahl

Série aérospatiale - Fils à freiner étirés - Acier résistant à la corrosion

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Ta slovenski standard je istoveten z: **prEN 3628**

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ICS:

49.025.99	Drugi materiali	Other materials

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2003-01.Slovenski inštitut za standardizacijo. Razmnoževanje celote ali delov tega standarda ni dovoljeno.

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EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

DRAFT
prEN 3628

April 2022

ICS 49.025.99

English Version

Aerospace series - Lockwire, drawn - Corrosion resisting steel

Série aérospatiale - Fils à freiner étirés - Acier résistant à la corrosion

Luft- und Raumfahrt - Sicherungsdraht, gezogen - Aus korrosionsbeständigem Stahl

This draft European Standard is submitted to CEN members for enquiry. It has been drawn up by the Technical Committee ASD-STAN.

If this draft becomes a European Standard, 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.

This draft European Standard was established by CEN 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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Recipients of this draft are invited to submit, with their comments, notification of any relevant patent rights of which they are aware and to provide supporting documentation.

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EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
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European foreword

This document (prEN 3628:2022) 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 document has received the approval of the National Associations and the Official Services of the member countries of ASD-STAN, prior to its presentation to CEN.

This document is currently submitted to the CEN Enquiry.

Any feedback and questions on this document should be directed to the users' national standards body. A complete listing of these bodies can be found on the CEN website.

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1 Scope

This document specifies the dimensions and tolerances for corrosion resisting steel drawn lockwire for aerospace applications.

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.

ISO 245, *Aerospace — Lockwire — Diameters*

EN 2573,[1] *Aerospace series — Steel X6CrNiTi18-10 (1.4541) — Air melted — Softened — Wires — 0,25 mm ≤ D_e ≤ 3 mm — R_m ≤ 780 MPa*

EN 2600, *Aerospace series — Designation of metallic semi-finished products — Rules*

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 https://www.electropedia.org/
- ISO Online browsing platform: available at https://www.iso.org/obp

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4 Requirements

4.1 Material

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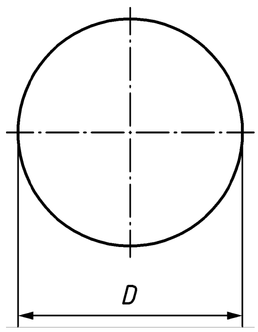
Corrosion resisting steel shall be according to EN 2573.

4.2 Form

The form shall be in accordance with Figure 1.



Key

D wire diameter

Figure 1 — Wire diameter

[1] Published as ASD-STAN Standard at the date of publication of this standard by AeroSpace and Defence Industries Association of Europe – Standardization (ASD-STAN) (www.asd-stan.org).

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4.3 Dimensions and masses

4.3.1 Diameters and masses

According to Table 1.

Table 1 — Diameters and masses

Dimensions in millimetres

D **Nominal**	**Mass** [a] **kg/m**
0,5	0,001 5
0,63	0,003 1
0,8	0,003 9
1	0,006 1
1,25	0,012 3
1,6	0,015 7
1,8	0,019 8
2	0,024 1
a For information, calculated with a density 7,8 kg/dm^3.	

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4.3.2 Tolerances on diameters

According to Table 2.

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Table 2 — Tolerances on diameters

Dimensions in millimetres

D	**Tolerances** [a]
$0,5 \leq D < 1$	±0,04
$1 \leq D < 2$	±0,05
a In accordance with ISO 245.	

4.4 Roundness

Roundness shall be contained within the tolerances on diameters.

4.5 Lengths

Lengths are not specified.

5 Designation

The designation shall be in accordance with EN 2600.