Irish Standard
I.S. EN 3666:2020

Aerospace series - Heat resisting alloy NI-PH2601 - Solution treated and cold worked - Bar for forged fasteners - D ≤ 50 mm - 1 550 MPa ≤ Rm ≤ 1 830 MPa

I.S. EN 3666:2020

Incorporating amendments/corrigenda/National Annexes issued since publication:

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National Foreword

I.S. EN 3666:2020 is the adopted Irish version of the European Document EN 3666:2020, Aerospace series - Heat resisting alloy NI-PH2601 - Solution treated and cold worked - Bar for forged fasteners - D ≤ 50 mm - 1 550 MPa ≤ Rm ≤ 1 830 MPa

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EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN 3666

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English Version

Aerospace series - Heat resisting alloy NI-PH2601 - Solution treated and cold worked - Bar for forged fasteners - D ≤ 50 mm - 1 550 MPa ≤ Rm ≤ 1 830 MPa

Série aérospatiale - Alliage résistant à chaud NI-PH2601 - Mis en solution et écroui - Barre pour éléments de fixation forgés - D ≤ 50 mm - 1 550 MPa ≤ Rm ≤ 1 830 MPa

Luft- und Raumfahrt - Hochwarmfeste Legierung NI-PH2601 - Lösungsgeglüht und kaltverfestigt - Stange für geschmiedete Verbindungselemente - D ≤ 50 mm - 1 550 MPa ≤ Rm ≤ 1 830 MPa

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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
EUROPÄISCHES KOMITEE FÜR NORMUNG

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European foreword

This document (EN 3666:2020) 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 document shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by July 2020, and conflicting national standards shall be withdrawn at the latest by July 2020.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN shall not be held responsible for identifying any or all such patent rights.

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Introduction

This document is part of the series of EN metallic material standards for aerospace applications. The general organization of this series is described in EN 4258.

This document has been prepared in accordance with EN 4500-003.

1 Scope

This document specifies the requirements relating to:

Heat resisting alloy NI-PH2601
Solution treated and cold worked
Bar for forged fasteners
$D \leq 50$ mm
1 550 MPa ≤ R_m ≤ 1 830 MPa

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.

EN 2002-16, *Aerospace series — Metallic materials — Test methods — Part 016: Non-destructive testing — Penetrant testing* [1)]

EN 4700-002, *Aerospace series — Steel and heat resisting alloys — Wrought products — Technical specification — Part 002: Bars and sections* [1)]

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:

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

4 Requirements

See Table 1.

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), http://www.asd-stan.org/