

Aerospace series - Heat-resisting alloy NI-PH1301
(NiCr19Co18Mo4Ti3Al3) - Solution treated and
precipitation treated - Bars and sections - De ≤ 200 mm

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

See Eesti standard EVS-EN 4374:2022 sisaldab Euroopa standardi EN 4374:2022 ingliskeelset teksti.	This Estonian standard EVS-EN 4374:2022 consists of the English text of the European standard EN 4374:2022.
Standard on jõustunud sellekohase teate avaldamisega EVS Teatajas.	This standard has been endorsed with a notification published in the official bulletin of the Estonian Centre for Standardisation and Accreditation.
Euroopa standardimisorganisatsioonid on teinud Euroopa standardi rahvuslikele liikmetele kättesaadavaks 21.12.2022.	Date of Availability of the European standard is 21.12.2022.
Standard on kättesaadav Eesti Standardimis-ja Akrediteerimiskeskusest.	The standard is available from the Estonian Centre for Standardisation and Accreditation.

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ICS 49.025.99

English Version

**Aerospace series - Heat-resisting alloy NI-PH1301
(NiCr19Co18Mo4Ti3Al3) - Solution treated and
precipitation treated - Bars and sections - $De \leq 200$ mm**

Série aérospatiale - Alliage résistant à chaud NI-
PH1301 (NiCr19Co18Mo4Ti3Al3) - Mis en solution et
précipité - Barres et profilés - $De \leq 200$ mm

Luft- und Raumfahrt - Hochwarmfeste Legierung NI-
PH1301 (NiCr19Co18Mo4Ti3Al3) - Lösungsgeglüht
und ausscheidungsgehärtet - Stangen und Profile - $De \leq$
200 mm

This European Standard was approved by CEN on 24 July 2022.

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CEN members are the national standards bodies of Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Türkiye and United Kingdom.



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

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European foreword

This document (EN 4734:2022) 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 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 June 2023, and conflicting national standards shall be withdrawn at the latest by June 2023.

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.

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1 Scope

This document specifies the requirements relating to:

Heat-resisting alloy NI-PH1301 (NiCr19Co18Mo4Ti3Al3)
Solution treated and precipitation treated
Bars and sections
 $D_e \leq 200$ mm

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 2043, *Aerospace series — Metallic materials — General requirements for semi-finished product qualification (excluding forgings and castings)*

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

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 <https://www.iso.org/obp>
- IEC Electropedia: available at <https://www.electropedia.org/>

4 Requirements

According to Table 1.