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IRISH STANDARD

I.S. EN 3914:2008

ICS 49.030.30

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AEROSPACE SERIES - INSERT, THIN WALL, SELF-LOCKING, LONG, IN HEAT RESISTING NICKEL BASE ALLOY NI-PH2601 (NI-P100HT, INCONEL 718), SILVER PLATED ON INTERNAL THREAD, FOR SALVAGE OF COMPONENTS

Price Code D

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EUROPEAN STANDARD

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English Version

Aerospace series - Insert, thin wall, self-locking, long, in heat resisting nickel base alloy NI-PH2601 (NI-P100HT, Inconel 718), silver plated on internal thread, for salvage of components

Série aérospatiale - Douilles filetées, à paroi mince, à freinage interne, longues, en alliage résistant à chaud à base de nickel NI-PH2601(NI-P100HT, Inconel 718), argentées sur filetage intérieur, pour récupération

Luft- und Raumfahrt - Gewindeeinsätze, dünnwandig, selbstsichernd, lang, aus hochwarmfester Nickelbasislegierung NI-PH2601 (NI-P100HT, Inconel 718), Innengewinde versilbert, zur Nacharbeit von Bauteilen

This European Standard was approved by CEN on 29 February 2008.

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 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 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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Foreword

This document (EN 3914:2008) 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 November 2008, and conflicting national standards shall be withdrawn at the latest by November 2008.

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, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and the United Kingdom.

Introduction

For design, installation and removal procedures, see EN 3298 and EN 3916.

1 Scope

This standard specifies the characteristics of long self locking, thin wall salvage inserts, in NI-PH2601 (NI-P100HT), with silver plated internal thread, for aerospace applications.

Maximum test temperature 550 °C.

2 Normative references

The following referenced documents are indispensable for the application 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 2404*, *Heat resisting nickel base alloy NI-P100HT — Solution treated and precipitation treated — Bars — Aerospace series* [1)]

EN 2424, *Aerospace series — Marking of aerospace products*

EN 2786, *Aerospace series — Electrolytic silver plating of fasteners*

TR 3198, *Aerospace series — Manufacturer's identification monograms for EN aerospace products* [2)]

EN 3298, *Aerospace series — Inserts, thin wall, self-locking — Installation and removal procedure*

EN 3915, *Aerospace series — Inserts, thin wall, self-locking, MJ threads, in heat resisting nickel base alloy NI-PH2601 (NI-P100HT, Inconel 718), for salvage of components — Classification: 1 275 MPa (at ambient temperature) / 550 °C — Technical specification*

EN 3916, *Aerospace series — Insert, thin wall — Salvage procedure for components* [3)]

EN 4376, *Aerospace series — Heat resisting alloy NI-PH2601 (NiCr19Fe19Nb5Mo3) — Solution treated and precipitation treated — Bar and section — $D_e \leq 200$ mm* [3)]

EN 4377, *Aerospace series — Heat resisting alloy NI-PH2601 (NiCr19Fe19Nb5Mo3) — Non heat treated — Forging stock — a or $D \leq 300$ mm* [3)]

ISO 965-1, *ISO general purpose metric screw threads — Tolerances — Part 1: Principles and basic data*

ISO 5855-2, *Aerospace — MJ threads — Part 2: Limit dimensions for bolts and nuts*

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* Inactive for new design, see EN 4376 and EN 4377.

1) Published as ASD Standard at the date of publication of this standard.

2) Published as ASD Technical Report at the date of publication of this standard.

3) Published as ASD Prestandard at the date of publication of this standard.