



National Standards Authority of Ireland

IRISH STANDARD

I.S. EN 3913:2007

ICS 49.030.30

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

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EUROPEAN STANDARD

EN 3913

NORME EUROPÉENNE

EUROPÄISCHE NORM

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English Version

**Aerospace series - Insert, thin wall, self-locking, short, 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, courtes, 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, kurz, aus hochwarmfester Nickelbasislegierung NI-PH2601 (NI-P100HT, Inconel 718), Innengewinde versilbert, zur Nacharbeit von Bauteilen

This European Standard was approved by CEN on 28 August 2006.

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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 Management Centre has the same status as the official versions.

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EUROPEAN COMMITTEE FOR STANDARDIZATION
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Foreword

This document (EN 3913:2007) 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of an identical text or by endorsement, at the latest by October 2007, and conflicting national standards shall be withdrawn at the latest by October 2007.

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EN 3913:2007 (E)

Introduction

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

1 Scope

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

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.*

EN 2404 ¹⁾, *Heat resisting nickel base alloy NI-P100HT — Solution treated and precipitation treated — Bars — Aerospace series.* ²⁾

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

EN 2786, *Aerospace series — Electrolytic silver plating of fasteners.* ³⁾

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

EN 3915, *Aerospace series — Insert, 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.* ³⁾

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⁾

TR 3198, *Aerospace series — Manufacturers' identification monograms and marks for EN aerospace products.* ⁴⁾

1) Inactive for new designation, see EN 4376 and EN 4377.

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

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

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

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