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IRISH STANDARD

I.S. EN 4167:2005

ICS 49.080

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AEROSPACE SERIES - CLIPS, SPRING TENSION, THREE PARTS - INNER CLIPS IN HEAT RESISTING STEEL FE-PA2601 (A286)

This Irish Standard was published under the authority of the National Standards Authority of Ireland and comes into effect on:

March 24, 2005

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EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN 4167

December 2004

ICS 49.080

Supersedes EN 4167:2003

English version

Aerospace series - Clips, spring tension, three parts - Inner clips in heat resisting steel FE-PA2601 (A286)

Série aérospatiale - Colliers de fixation à ressort en trois parties - Demi-colliers intérieurs, en acier résistant à chaud FE-PA2601 (A286)

Luft- und Raumfahrt - Rohrschellen, federnd, dreiteilig - Innenschelle aus hochwarmfestem Stahl FE-PA2601 (A286)

This European Standard was approved by CEN on 11 September 2003.

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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 Central Secretariat has the same status as the official versions.

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Ref. No. EN 4167:2004: E

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Foreword

This document (EN 4167:2004) has been prepared by the European Association of Aerospace Manufacturers - Standardization (AECMA-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 AECMA, 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of an identical text or by endorsement, at the latest by June 2005, and conflicting national standards shall be withdrawn at the latest by June 2005.

This document supersedes EN 4167:2003.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Slovakia, Slovenia, Spain, Sweden, Switzerland and the United Kingdom.

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1 Scope

This standard specifies the characteristics of inner clips, three part clips, spring tension, in FE-PA2601 for applications at a maximum temperature of 260 °C, for aerospace applications.

They shall be assembled with parts from EN 4166 and EN 4168.

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 2424, *Aerospace series – Marking of aerospace products*

EN 2516, *Aerospace series – Passivation of corrosion resisting steels and decontamination of nickel base alloys*

EN 3638, *Aerospace series – Heat resisting alloy FE-PA2601 (X6NiCrTiMoV26-15) – Consumable electrode remelted – Solution and precipitation treated – Sheet, strip and plate – 0,5 mm ≤ a ≤ 10 mm* [1)]

EN 4166, *Aerospace series – Clips, spring tension, three parts – PTFE bushes*

EN 4168, *Aerospace series – Clips, spring tension, three parts – Outer clips in heat resisting steel FE-PA2601 (A286)*

EN 9100, *Aerospace series - Quality management systems - Requirements (based on ISO 9001:2000) and Quality systems - Model for quality assurance in design, development, production, installation and servicing (based on ISO 9001:1994)*

3 Required characteristics

3.1 Configuration – Dimensions – Tolerances – Masses

See Figure 1 and Table 1.

Dimensions and tolerances are in millimetres. They apply after passivation.

3.2 Materials

EN 3638

3.3 Surface treatment

EN 2516

3.4 Heat surface

Precipitation heat treated after forming

3.5 Hardness

260 HV to 345 HV

1) Published as AECMA Prestandard at the date of publication of this standard

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