EESTI STANDARD EVS-EN 3869:2003

Aerospace series - Pipe couplings, loose flanges and seals - Seals in fluorocarbon rubber and armature in aluminium alloy

EESTI STANDARDIKESKUS

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

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EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN 3869

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English version

Aerospace series - Pipe couplings, loose flanges and seals - Seals in fluorocarbon rubber and armature in aluminium alloy

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This European Standard was approved by CEN on 2 June 2002.

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Foreword

This document (EN 3869:2003) 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of an identical text or by endorsement, at the latest by July 2003, and conflicting national standards shall be withdrawn at the latest by July 2003.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, Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Luxembourg, Malta, Netherlands, Norway, Portugal, Slovakia, Spain, Sweden, Switzerland and the United Kingdom.

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1 Scope

This standard specifies the characteristics of seals for pipe couplings in fluorocarbon rubber and armature in aluminium alloy for aerospace applications.

NOTE : Assembly in accordance with TR 4053

2 Normative references

EN 2424 Aerospace series – Marking of aerospace products

EN 2699 Aerospace series – Aluminium alloy (5086) – Annealed and straightened (H111) – Drawn bar – $6 \leq D \leq 50$ mm [1)]

EN 2798 Aerospace series – Fluorocarbon rubber (FPM) – Low compression set – Hardness 80 IRHD [2)]

EN 4054 Aerospace series – Pipe couplings, loose flanges and seals – Seals in fluorocarbon rubber and armature in aluminium alloy – Technical specification [2)]

TR 4053 Aerospace series – Pipe couplings, loose flanges and seals in titanium alloy – Assembly recommendations [3)]

3 Required characteristics

3.1 Configuration - Dimensions - Tolerances – Masses

See figure 1 and table 1. Dimensions and tolerances are in millimetres.

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

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

3) Published as AECMA Technical Report at the date of publication of this standard