EESTI STANDARD EVS-EN 2587:2000

Lennunduse ja kosmonautika seeria. Reguleeritavad topeltkahvliga ja keermestatud varreosaga hoovaotsad. Mõõtmed ja koormused

Aerospace series - Rod-ends, adjustable double fork and threaded shank - Dimensions and loads

EESTI STANDARDIKESKUS

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

Käesolev Eesti standard EVS-EN 2587:2000 sisaldab Euroopa standardi EN 2587:1990 ingliskeelset teksti. Käesolev dokument on jõustatud 11.01.2000 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes. Standard on kättesaadav Eesti standardiorganisatsioonist.	This Estonian standard EVS-EN 2587:2000 consists of the English text of the European standard EN 2587:1990. This document is endorsed on 11.01.2000 with the notification being published in the official publication of the Estonian national standardisation organisation. The standard is available from Estonian standardisation organisation.

Käsitlusala: Standard määrab kindlaks parameetrid keermestatud varreosaga hoovaotsavarvast koosnevatele reguleeritavatele hoovaotstele, mis koosnevad: - topeltkahvlist; - ringkanalist asendi määramiseks; - valikulisest lukustusotstarbelisest pikikanalist. Need hoovaotsad on ette nähtud kasutamiseks koos lennujuhtimishoobadega või hoobadega lennunduse ja kosmonautika tarinditele. Kaadmiumkate piirab kasutamise tingimused temperatuuriga, mis ei ületa 235 °C.	**Scope:**

ICS 49.035

Võtmesõnad: hoovaots, keermestatud otsad, lennujuhtimine, lennukitööstus, mõõtmed, staatilised koormused

EUROPEAN STANDARD
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EN 2587

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Key words : Aircraft industry, flight control, rod ends, threated ends, dimensions, static loads.

English version

Aerospace series
Rod ends adjustable
double fork and threaded shank
Dimensions and loads

Série aérospatiale
Embouts réglables
à chape double et à tige filetée
Dimensions et charges

Luft- und Raumfahrt
Einstellbare Doppelgabelköpfe
mit Gewindeschaft
Maße und Belastungen

This European Standard was accepted by CEN on 1990-01-10. CEN members are bound to comply with the requirements of CEN 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 Central Secretariat 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 CEN Central Secretariat has the same status as the official versions.

CEN members are the national standards organizations of Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxemburg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.

CEN

European Committee for Standardization
Comité Européen de Normalisation
Europäisches Komitee für Normung

Central Secretariat : Rue Bréderode 2, B—1000 Bruxelles

Brief history

This European Standard has been prepared by the European Association of Aerospace Manufacturers (AECMA).

After inquiries and votes carried out in accordance with the rules of this Association, this Standard has successively received the approval of the National Associations and the Official Services of the member countries of AECMA, prior to its presentation to CEN.

According to the Common CEN/CENELEC Rules, the following countries are bound to implement this European Standard : **Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.**

1 Scope and field of application

This standard specifies the characteristics of adjustable rod ends consisting of a rod end body with threaded shank consisting of :

- a double fork ;
- a circumferential groove to identify location ;
- an optional longitudinal groove for locking purposes.

These rod ends are intended for use with flight control rods or rods for aerospace structures.

The cadmium plating restricts the application to temperature not exceeding 235 °C.

2 References

ISO 3353	Aerospace construction - Rolled threads - Runout and lead threads
ISO 5855/1	Aerospace - MJ Threads - Part 1 : General requirements
ISO 5855/2	Aerospace - MJ Threads - Part 2 : Limits dimensions for bolts and nuts
EN 2133	Cadmium plating of steels with maximum specified tensile strength equal to or less than 1450 MPa, and copper and copper alloys - Aerospace series [1]
EN 2137	Steel FE-PL75 - 1100 MPa $\leqslant R_m \leqslant$ 1250 MPa - Bars $D_e \leqslant$ 100 mm - Aerospace series [1]
EN 2438	Steel FE-PL62 - 900 MPa $\leqslant R_m \leqslant$ 1100 MPa - Bars $D_e \leqslant$ 40 mm - Aerospace series [1]
EN 2601	Aerospace series - Fork ends - Technical specificiation [2]
EN 2792	Aerospace series - Rod ends, adjustable double fork and threaded shank - Dimensions and loads [3]

3 Required characteristics

3.1 Dimensions - Tolerances

Configuration : See figure.

Dimensions and tolerances : See figure and table, values after cadmium plating.

3.2 Surface

See figure, values before cadmium plating.

3.3 Materials

Steel EN 2137 or EN 2438.

1) Published as AECMA standard.
2) In preparation.
3) Published as AECMA pre-standard.