

**Lennunduse ja kosmonautika seeria.
Reguleeritavad topeltkahvliga ja keermestatud
varreosaga haakuvad hoovaotsad: 1,5 x keere
U. Möötmed ja koormused**

Aerospace series - Rod ends, adjustable, double
fork and threaded shank with engagement: 1,5 x
thread - Dimensions and loads

EESTI STANDARDI EESSÕNA

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 2792

UDC : 629.7.02 : 621.827.1 : 621.85.053.004.1

Key words : Aircraft industry, flight control, rod ends, threaded shanks, dimensions, static loads

English version

Aerospace series
Rod ends, adjustable, double fork
and threaded shank
with engagement : 1,5 x thread ϕ
Dimensions and loads

Série aérospatiale
Embouts réglables à chape double
et à tige filetée
à implantation : 1,5 x ϕ filetage
Dimensions et charges

Luft- und Raumfahrt
Einstellbare Doppelgabelköpfe
mit Gewindeschaf
mit Einschraubtiefe von 1,5 x Gewinde- ϕ
Maße und Belastungen

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CEN

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

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Foreword

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, Luxemburg, 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 double fork ;
- a threaded shank comprising :
 - . a circumferential groove to identify engagement ;
 - . an optional longitudinal groove for locking purposes.

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

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

2 References

ISO 3353	Aerospace construction - Rolled threads - Run-out and lead threads
ISO 5855/2	Aerospace - MJ Threads - Part 2 : Limit 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 - $1100 \text{ MPa} \leq R_m \leq 1250 \text{ MPa}$ - Bars $D_e \leq 100 \text{ mm}$ - Aerospace series 1)
EN 2438	Steel FE-PL62 - $900 \text{ MPa} \leq R_m \leq 1100 \text{ MPa}$ - Bars $D_e \leq 40 \text{ mm}$ - Aerospace series 1)
EN 2587	Aerospace series - Rod ends, adjustable, double fork and threaded shank - Dimensions and loads
EN 2601	Aerospace series - Fork ends - Technical specification 2).

3 Required characteristics

3.1 Dimensions - Tolerances - Mass

Configuration : see figure.

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

3.2 Surface roughness

See figure, values before cadmium plating.

1) Published as AECMA standard at the date of publication of the present standard.

2) In preparation at the date of publication of the present standard.