

Aerospace series - Clamps, worm drive - Dimensions,
masses

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

See Eesti standard EVS-EN 4234:2015 sisaldab Euroopa standardi EN 4234:2015 ingliskeelset teksti.	This Estonian standard EVS-EN 4234:2015 consists of the English text of the European standard EN 4234:2015.
Standard on jõustunud sellekohase teate avaldamisega EVS Teatajas	This standard has been endorsed with a notification published in the official bulletin of the Estonian Centre for Standardisation.
Euroopa standardimisorganisatsioonid on teinud Euroopa standardi rahvuslikele liikmetele kättesaadavaks 22.07.2015.	Date of Availability of the European standard is 22.07.2015.
Standard on kättesaadav Eesti Standardikeskusest.	The standard is available from the Estonian Centre for Standardisation.

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ICS 49.030.99

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English Version

Aerospace series - Clamps, worm drive - Dimensions, masses

Série aérospatiale - Colliers à vis tangente - Dimensions,
masses

Luft- und Raumfahrt - Schellen mit Schneckentrieb - Maße,
Massen

This European Standard was approved by CEN on 5 December 2014.

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European foreword

This document (EN 4234:2015) 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of an identical text or by endorsement, at the latest by January 2016, and conflicting national standards shall be withdrawn at the latest by January 2016.

This document supersedes EN 4234:2009.

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1 Scope

This European Standard specifies the characteristics of worm drive clamps designed for use with suitable rubber hoses to form joints in fluid system pipelines for aerospace applications.

2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. 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 2465, *Aerospace series — Steel FE-PA3901 (X2CrNi18-9) — Softened — $450 \text{ MPa} \leq R_m \leq 680 \text{ MPa}$ — Bar for machining — $4 \text{ mm} \leq D_e \leq 100 \text{ mm}$*

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

EN 3077, *Aerospace series — Clamps worm drive — Technical specification* ¹⁾

EN 3487, *Aerospace series — Steel FE-PA3601 (X6CrNiTi18-10) — Air melted — Softened — Bar for machining — a or $D \leq 250 \text{ mm}$ — $500 \text{ MPa} \leq R_m \leq 700 \text{ MPa}$*

EN 3488, *Aerospace series — Steel FE-PA3601 (X6CrNiTi18-10) — Air melted — Softened — Sheet and strip — $a \leq 6 \text{ mm}$ — $500 \text{ MPa} \leq R_m \leq 700 \text{ MPa}$*

EN 10088 (all parts), *Stainless steels*

3 Design

The housing shall be firmly attached to the band.

NOTE Clamps of form N are only equipped with a stamped band and undrilled, round-headed screw.

4 Required characteristics

4.1 Configuration — Dimensions — Masses

The configuration shall correspond with Figure 1.

Details of form not defined are at the manufacturer's option.

Dimensions shall correspond with Figure 1 and Table 1 to Table 3.

Sharp edges are not permissible and the inner edges should be rounded or beaded.

¹⁾ Published as ASD-STAN Prestandard at the date of publication of this standard (<http://www.asd-stan.org/>).