

Aerospace series - Clamps, worm drive - Dimensions,
masses

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

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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 Schneckenbetrieb -
Maße, Massen

This European Standard was approved by CEN on 14 July 2019.

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EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

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European foreword

This document (EN 4234:2020) 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-STAN, 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of an identical text or by endorsement, at the latest by January 2021, and conflicting national standards shall be withdrawn at the latest by January 2021.

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This document supersedes EN 4234:2015.

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1 Scope

This document 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 are referred to in the text in such a way that some or all of their content constitutes requirements 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 2465, *Aerospace series — Steel X2CrNi18-9 (1.4307) — Softened — $450 \text{ MPa} \leq R_m \leq 680 \text{ MPa}$ — Bars 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, *Clamps worm drive — Technical specification*¹

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

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 Terms and definitions

No terms and definitions are listed in this document.

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

— ISO Online browsing platform: available at <http://www.iso.org/obp>

— IEC Electropedia: available at <http://www.electropedia.org/>

4 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.

¹ Published as ASD-STAN Prestandard at date of publication of this European standard by AeroSpace and Defence industries Association of Europe – Standardization (ASD-STAN) (www.asd-stan.org).