
Vezni elementi - Mehanske lastnosti veznih elementov iz nerjavnega jekla - 3. del: Navojni zatiči (in podobni vijaki, natezno neobremenjeni) z določenimi ocenami in razredi trdote (ISO 3506-3:2025)

Fasteners - Mechanical properties of corrosion resistant stainless steel fasteners - Part 3: Set screws (and similar fasteners not under tensile stress) with specified grades and hardness classes (ISO 3506-3:2025)

Mechanische Verbindungselemente - Eigenschaften von Verbindungselementen aus nichtrostenden Stählen - Teil 3: Gewindestifte und ähnliche nicht auf Zug beanspruchte Verbindungselemente (ISO 3506-3:2025)

Fixations - Caractéristiques mécaniques des fixations en acier inoxydable résistant à la corrosion - Partie 3: Vis sans tête (et fixations similaires non soumises à des contraintes de traction) de grades et classes de dureté spécifiées (ISO 3506-3:2025)

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Ta slovenski standard je istoveten z: EN ISO 3506-3:2025

ICS:

21.060.10	Sorniki, vijaki, stebelni vijaki	Bolts, screws, studs
77.140.20	Visokokakovostna jekla	Stainless steels

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EUROPEAN STANDARD

EN ISO 3506-3

NORME EUROPÉENNE

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This European Standard was approved by CEN on 19 January 2025.

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

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European foreword

This document (EN ISO 3506-3:2025) has been prepared by Technical Committee ISO/TC 2 "Fasteners" in collaboration with Technical Committee CEN/TC 185 "Fasteners" the secretariat of which is held by BSI.

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of an identical text or by endorsement, at the latest by July 2025, and conflicting national standards shall be withdrawn at the latest by July 2025.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN shall not be held responsible for identifying any or all such patent rights.

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International Standard

ISO 3506-3

Fasteners — Mechanical properties of corrosion resistant stainless steel fasteners —

Part 3:

Set screws (and similar fasteners not under tensile stress) with specified grades and hardness classes

*Fixations — Caractéristiques mécaniques des fixations en acier
inoxydable résistant à la corrosion —*

*Partie 3: Vis sans tête (et fixations similaires non soumises à des
contraintes de traction) de grades et classes de dureté spécifiés*

**Third edition
2025-01**

ISO 3506-3:2025(en)

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ISO copyright office
CP 401 • Ch. de Blandonnet 8
CH-1214 Vernier, Geneva
Phone: +41 22 749 01 11
Email: copyright@iso.org
Website: www.iso.org

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Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular, the different approval criteria needed for the different types of ISO document should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

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This document was prepared by Technical Committee ISO/TC 2, *Fasteners*, in collaboration with the European Committee for Standardization (CEN) Technical Committee CEN/TC 185 *Fasteners*, in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement).

This third edition cancels and replaces the second edition (ISO 3506-3:2009), which has been technically revised.

The main changes are as follows:

- annexes common to several parts of the ISO 3506 series have been withdrawn from this document and are now included in the new ISO 3506-6 which is to be used with this document;
- austenitic stainless steel of grade A8 and duplex (austenitic-ferritic) stainless steels of grades D2 to D8 for hardness class 21H have been added (see [Figure 1](#));
- operational temperature ranges have been clarified (see [Clause 1](#));
- terms and definitions have been added (see [Clause 3](#));
- wording for surface conditions and corrosion resistance have been improved (see [5.2](#) and [5.3](#));
- manufacturer's, supplier's and purchaser's inspections have been added (see [Clause 7](#));
- hardness test and proof torque test methods have been improved (see [Clause 8](#));
- marking and labelling have been improved (see [Clause 9](#));
- structure and content of this document have been brought in line with other parts of ISO 3506 published recently.

A list of all parts in the ISO 3506 series can be found on the ISO website.

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