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**Vežni elementi - Mehanske lastnosti vežnih elementov iz korozijsko odpornega nerjavnega jekla - 4. del: Pločevinski vijaki z določenimi razredi in razredi trdnosti (ISO 3506-4:2025)**

Fasteners - Mechanical properties of corrosion-resistant stainless steel fasteners - Part 4: Tapping screws with specified grades and hardness classes (ISO 3506-4:2025)

Mechanische Verbindungselemente - Mechanische Eigenschaften von Verbindungselementen aus nichtrostenden Stählen - Teil 4: Blechsrauben mit festgelegten Stahlsorten und Härteklassen (ISO 3506-4:2025)

Fixations - Caractéristiques mécaniques des fixations en acier inoxydable résistant à la corrosion - Partie 4: Vis à tôle de grades et classes de dureté spécifiées (ISO 3506-4:2025)

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**Ta slovenski standard je istoveten z: EN ISO 3506-4:2025**

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**ICS:**

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

**SIST EN ISO 3506-4:2025**

**en,fr,de**



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## Fasteners - Mechanical properties of corrosion-resistant stainless steel fasteners - Part 4: Tapping screws with specified grades and hardness classes (ISO 3506-4:2025)

Fixations - Caractéristiques mécaniques des fixations en acier inoxydable résistant à la corrosion - Partie 4: Vis à tête de grades et classes de dureté spécifiées (ISO 3506-4:2025)

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

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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 ISO 3506-4:2025) 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of an identical text or by endorsement, at the latest by July 2025, and conflicting national standards shall be withdrawn at the latest by July 2025.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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Any feedback and questions on this document should be directed to the users' national standards body/national committee. A complete listing of these bodies can be found on the CEN website.

According to the CEN-CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Türkiye and the United Kingdom.

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**International  
Standard**

**ISO 3506-4**

**Fasteners — Mechanical properties  
of corrosion-resistant stainless steel  
fasteners —**

**Part 4:  
Tapping screws with specified  
grades and hardness classes**

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

*Partie 4: Vis à tôle de grades et classes de dureté spécifiés*

**Third edition  
2025-01**

**ISO 3506-4:2025(en)**

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## ISO 3506-4:2025(en)

### 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 documents 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](http://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 3506-4:2009), 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 classes 20H, 25H and 30H 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 [5.3](#) and [5.4](#));
- manufacturer's, supplier's and purchaser's inspections have been added (see [Clause 7](#));
- applicability of test methods has been added, and hardness test, torsional test and drive 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.