

SLOVENSKI STANDARD SIST EN ISO 3506-2:2011

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Mehanske lastnosti veznih elementov iz nerjavnega jekla - 2. del: Matice (ISO 3506-2:2009)

Mechanical properties of corrosion-resistant stainless steel fasteners - Part 2: Nuts (ISO 3506-2:2009)

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Mechanische Eigenschaften von Verbindungselementen aus nichtrostenden Stählen - Teil 2: Muttern (ISO 3506-2:2009)

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Caractéristiques mécaniques des éléments de fixation en acier inoxydable résistant à la corrosion - Partie 2: Écrous (ISO 3506-2:2009) 100-3506-2-2011

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Supersedes EN ISO 3506-2:1997

English Version

Mechanical properties of corrosion-resistant stainless steel fasteners - Part 2: Nuts (ISO 3506-2:2009)

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EN ISO 3506-2:2009 (E)

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EN ISO 3506-2:2009 (E)

Foreword

This document (EN ISO 3506-2:2009) 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 DIN.

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of an identical text or by endorsement, at the latest by May 2010, and conflicting national standards shall be withdrawn at the latest by May 2010.

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INTERNATIONAL STANDARD

ISO 3506-2

Second edition 2009-11-15

Mechanical properties of corrosionresistant stainless steel fasteners —

Part 2: **Nuts**

Caractéristiques mécaniques des éléments de fixation en acier inoxydable résistant à la corrosion

iTeh ST inoxydable résistant à la corrosion EW Partie 2: Écrous (standards.iteh.ai)



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Foreword

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The main task of technical committees is to prepare International Standards. Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

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ISO 3506-2 was prepared by Technical Committee ISO/TC 2, Fasteners, Subcommittee SC 1, Mechanical properties of fasteners.

This second edition cancels and replaces the first edition (ISO 3506-2:1997), which has been technically revised.

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ISO 3506 consists of the following parts, under the general title *Mechanical properties of corrosion-resistant* stainless steel fasteners:

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- Part 1: Bolts, screws and studs
- Part 2: Nuts
- Part 3: Set screws and similar fasteners not under tensile stress
- Part 4: Tapping screws

ISO 3506-2:2009(E)

Introduction

In the preparation of this part of ISO 3506, special attention has been given to the fundamentally different property characteristics of the stainless steel fastener grades compared with those of carbon steel and low-alloy steel fasteners. Ferritic and austenitic stainless steels are strengthened only by cold working and consequently, the components do not have as homogeneous local material properties as hardened and tempered parts. These special features have been recognized in the elaboration of the property classes and the test procedures for mechanical properties. The latter differ from the carbon steel and low-alloy steel fastener test procedures with regard to the measurement of the stress at 0,2 % permanent strain (yield stress) and ductility (total elongation after fracture).

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