

SARRUS- JA PINGESTUSTERAS. KATSEMEETODID. OSA
3: PINGESTUSTERAS

Steel for the reinforcement and prestressing of
concrete - Test methods - Part 3: Prestressing steel
(ISO 15630-3:2025)

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

<p>See Eesti standard EVS-EN ISO 15630-3:2025 sisaldab Euroopa standardi EN ISO 15630-3:2025 ingliskeelset teksti.</p> <p>Standard on jõustunud sellekohase teate avaldamisega EVS Teatajas.</p> <p>Euroopa standardimisorganisatsioonid on teinud Euroopa standardi rahvuslikele liikmetele kättesaadavaks 18.06.2025.</p> <p>Standard on kättesaadav Eesti Standardimis- ja Akrediteerimiskeskusest.</p>	<p>This Estonian standard EVS-EN ISO 15630-3:2025 consists of the English text of the European standard EN ISO 15630-3:2025.</p> <p>This standard has been endorsed with a notification published in the official bulletin of the Estonian Centre for Standardisation and Accreditation.</p> <p>Date of Availability of the European standard is 18.06.2025.</p> <p>The standard is available from the Estonian Centre for Standardisation and Accreditation.</p>
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ICS 77.140.15

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EUROPEAN STANDARD

EN ISO 15630-3

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Steel for the reinforcement and prestressing of concrete -
Test methods - Part 3: Prestressing steel (ISO 15630-
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Aciers pour l'armature et la précontrainte du béton -
Méthodes d'essai - Partie 3: Aciers de précontrainte
(ISO 15630-3:2025)

Stahl für die Bewehrung und das Vorspannen von
Beton - Prüfverfahren - Teil 3: Spannstahl (ISO 15630-
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This European Standard was approved by CEN on 29 May 2025.

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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

European foreword

This document (EN ISO 15630-3:2025) has been prepared by Technical Committee ISO/TC 17 "Steel" in collaboration with Technical Committee CEN/TC 459/SC 4 "Concrete reinforcing and prestressing steels" 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of an identical text or by endorsement, at the latest by December 2025, and conflicting national standards shall be withdrawn at the latest by December 2025.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.

This document supersedes EN ISO 15630-3:2019.

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.

Endorsement notice

The text of ISO 15630-3:2025 has been approved by CEN as EN ISO 15630-3:2025 without any modification.

Contents

	Page
Foreword	vi
Introduction	vii
1 Scope	1
2 Normative references	1
3 Terms, definitions and symbols	1
3.1 Terms and definitions.....	1
3.2 Symbols.....	2
4 General provisions concerning test pieces	3
5 Tensile test	4
5.1 Test piece.....	4
5.2 Test equipment.....	4
5.3 Test procedure.....	4
5.3.1 General.....	4
5.3.2 Determination of the modulus of elasticity.....	5
6 Bend test	6
6.1 Test piece.....	6
6.2 Test equipment.....	6
6.3 Test procedure.....	6
6.4 Interpretation of test results.....	6
7 Reverse bend test	7
7.1 Test piece.....	7
7.2 Test equipment.....	7
7.3 Test procedure.....	8
8 Wrapping test	8
8.1 Test piece.....	8
8.2 Test equipment.....	8
8.3 Test procedure.....	8
9 Isothermal stress relaxation test	8
9.1 Principle of test.....	8
9.2 Test piece.....	9
9.3 Test equipment.....	9
9.3.1 Frame.....	9
9.3.2 Force-measuring device.....	9
9.3.3 Length-measuring device (extensometer).....	10
9.3.4 Anchoring device.....	10
9.3.5 Loading device.....	10
9.4 Test procedure.....	10
9.4.1 Provisions concerning the test piece.....	10
9.4.2 Application of force.....	10
9.4.3 Initial force.....	11
9.4.4 Force during the test.....	11
9.4.5 Maintenance of strain.....	11
9.4.6 Temperature.....	11
9.4.7 Frequency of force recording.....	12
9.4.8 Frequency of strain recording.....	12
9.4.9 Duration of the test.....	12
10 Axial force fatigue test	12
10.1 Principle of test.....	12
10.2 Test piece.....	13
10.3 Test equipment.....	13
10.4 Test procedure.....	13

10.4.1	Provisions concerning the test piece	13
10.4.2	Stability of force and frequency	13
10.4.3	Counting of force cycles	14
10.4.4	Frequency	14
10.4.5	Temperature	14
10.4.6	Validity of the test	14
11	Stress corrosion test in a solution of thiocyanate	14
11.1	Principle of test	14
11.2	Sample and test piece	14
11.3	Test equipment	14
11.3.1	Frame	14
11.3.2	Force-measuring device	14
11.3.3	Time-measuring device	15
11.3.4	Test cell containing the test solution	15
11.3.5	Test solution	15
11.4	Test procedure	15
11.4.1	Provisions concerning the test pieces	15
11.4.2	Application and maintenance of force	16
11.4.3	Filling of the test cell	16
11.4.4	Temperature during the test	16
11.4.5	Termination of the test	16
11.4.6	Determination of median lifetime to fracture	16
12	Deflected tensile test	16
12.1	Principle of test	16
12.2	Sample and test pieces	16
12.3	Test equipment	17
12.3.1	General description	17
12.3.2	Dimensions	17
12.3.3	Anchorage	17
12.3.4	Mandrel	18
12.3.5	Loading device	19
12.4	Test procedure	19
13	Chemical analysis	20
14	Measurement of the geometrical characteristics	20
14.1	Test piece	20
14.2	Test equipment	20
14.3	Test procedures	20
14.3.1	Rib measurements	20
14.3.2	Indentation measurements	21
14.3.3	Lay length of strand (P)	22
14.3.4	Straightness	22
15	Determination of the relative rib area (f_R)	22
15.1	General	22
15.2	Calculation of f_R	23
15.2.1	Relative rib area	23
15.2.2	Simplified formulae	23
15.2.3	Formula used for the calculation of f_R	24
16	Determination of deviation from nominal mass per metre	24
16.1	Test piece	24
16.2	Accuracy of measurement	24
16.3	Test procedure	25
17	Test report	25
Annex A (informative) Options for agreement between the parties involved		26
Annex B (informative) Stress corrosion test in thiocyanate solution with galvanostatic current		27

Annex C (informative) Stress corrosion test in distilled water	33
Bibliography	38

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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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For an explanation of the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT), see www.iso.org/iso/foreword.html.

This document was prepared by Technical Committee ISO/TC 17, *Steel*, Subcommittee SC 16, *Steels for the reinforcement and prestressing of concrete*, in collaboration with the European Committee for Standardization (CEN) Technical Committee CEN/TC 459/SC 4, *ECISS - European Committee for Iron and Steel Standardization*, in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement).

This fourth edition cancels and replaces the third edition (ISO 15630-3:2019), which has been technically revised.

The main changes are as follows:

- addition of the informative [Annex B](#) which specifies a stress corrosion test in thiocyanate solution with galvanostatic current;
- addition of the informative [Annex C](#) which specifies a stress corrosion test in distilled water.

A list of all parts in the ISO 15360 series can be found on the ISO website.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.

Introduction

The aim of the ISO 15630 series is to provide all relevant test methods for reinforcing and prestressing steels in one standard series.

This document covers standard test methods, as well as specialized test methods that are not commonly used in routine testing and that should only be considered where relevant (or specified) in the applicable product standard.

Reference is made to International Standards on the testing of metals, in general, as they are applicable. Complementary provisions have been given if needed.

A list of options for agreement between the parties involved is provided in [Annex A](#).

Steel for the reinforcement and prestressing of concrete — Test methods —

Part 3: Prestressing steel

1 Scope

This document specifies test methods applicable to prestressing steel (bar, wire or strand) for concrete.

This document does not cover the sampling conditions that are dealt with in the product standards.

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.

ISO 4957, *Tool steels*

ISO 4965-1, *Metallic materials — Dynamic force calibration for uniaxial fatigue testing — Part 1: Testing systems*

ISO 4965-2, *Metallic materials — Dynamic force calibration for uniaxial fatigue testing — Part 2: Dynamic calibration device (DCD) instrumentation*

ISO 6508-1, *Metallic materials — Rockwell hardness test — Part 1: Test method*

ISO 6892-1, *Metallic materials — Tensile testing — Part 1: Method of test at room temperature*

ISO 7500-1, *Metallic materials — Calibration and verification of static uniaxial testing machines — Part 1: Tension/compression testing machines — Calibration and verification of the force-measuring system*

ISO 7801, *Metallic materials — Wire — Reverse bend test*

ISO 7802, *Metallic materials — Wire — Wrapping test*

ISO 9513, *Metallic materials — Calibration of extensometer systems used in uniaxial testing*

ISO 16020, *Steel for the reinforcement and prestressing of concrete — Vocabulary*

3 Terms, definitions and symbols

3.1 Terms and definitions

For the purposes of this document, the terms and definitions given in ISO 16020 apply.

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

- ISO Online browsing platform: available at <https://www.iso.org/obp>
- IEC Electropedia: available at <https://www.electropedia.org/>