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საინფორმაციო მონაცემები

- 1 **მიღებულია და დაშვებულია სამოქმედოდ:** სსიპ-საქართველოს სტანდარტებისა და მეტროლოგიის ეროვნული სააგენტოს გენერალური დირექტორის 24/12/2021 წლის № 82 განკარგულებით
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 - **3 ნაცვლად:** სს₍ზ) ისო 6892-1:2016/2016
- **4 რეგისტრირებულია:** სსიპ-საქართველოს სტანდარტებისა და მეტროლოგიის ეროვნული სააგენტოს რეესტრში: 24/12/2021 წლის №268-1.3-021811

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Matériaux métalliques — Essai de traction — Partie 1: Méthode d'essai à température ambiante





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Co	ontents	Page
Fore	reword	v
Intr	roduction	vi
1	Scope	1
2	Normative references	
3	Terms and definitions	
4	Symbols	6
5	Principle	8
6 7 8	Test pieces 6.1 Shape and dimensions 6.1.1 General 6.1.2 Machined test pieces 6.1.3 Unmachined test pieces 6.2 Types 6.3 Preparation of test pieces Determination of original cross-sectional area Original gauge length and extensometer gauge length	
	8.1 Choice of the original gauge length 8.2 Marking the original gauge length 8.3 Choice of the extensometer gauge length	
9	Accuracy of testing apparatus	
10	Conditions of testing 10.1 Setting the force zero point 10.2 Method of gripping 10.3 Testing rates 10.3.1 General information regarding testing rates 10.3.2 Testing rate based on strain rate (method A) 10.3.3 Testing rate based on stress rate (method B) 10.3.4 Report of the chosen testing conditions	11 11 12 12 12 12
11		
12	Determination of the lower yield strength	16
13	Determination of proof strength, plastic extension	16
14		
15	Method of verification of permanent set strength	17
16	Determination of the percentage yield point extension	17
17		
18		
19	Determination of the percentage total extension at fracture	18
20		
21		
22		
23	Measurement uncertainty 23.1 General 23.2 Test conditions 23.3 Test results	20 21

Annex A (informative) Recommendations concerning the use of computer-controlled tensile testing machines	34
Annex B (normative) Types of test pieces to be used for thin products: sheets, strips, and flats between 0,1 mm and 3 mm thick	40
Annex C (normative) Types of test pieces to be used for wire, bars, and sections with a diameter or thickness of less than 4 mm	43
Annex D (normative) Types of test pieces to be used for sheets and flats of thickness equal to or greater than 3 mm and wire, bars, and sections of diameter or thickness equal to or greater than 4 mm	44
Annex E (normative) Types of test pieces to be used for tubes	48
Annex F (informative) Estimation of the crosshead separation rate in consideration of the stiffness (or compliance) of the testing equipment	50
Annex G (normative) Determination of the modulus of elasticity of metallic materials using a uniaxial tensile test	52
Annex H (informative) Measuring the percentage elongation after fracture if the specified value is less than 5 %	61
Annex I (informative) Measurement of percentage elongation after fracture based on subdivision of the original gauge length	62
Annex J (informative) Determination of the percentage plastic elongation without necking, $A_{\rm wn}$, for long products such as bars, wire, and rods	64
Annex K (informative) Estimation of the uncertainty of measurement	65
Annex L (informative) Precision of tensile testing — Results from interlaboratory programme	s69
Bibliography	76

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).

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This document was prepared by Technical Committee ISO/TC 164, *Mechanical testing of metals*, Subcommittee SC 1, *Uniaxial testing*.

This third edition cancels and replaces the second edition (ISO 6892-1:2016), of which it constitutes a minor revision. The changes compared to the previous edition are as follows:

- correction of the title of a standard in <u>Clause 2</u>;
- correction of the designation "coefficient of determination" ("coefficient of determination" instead of "coefficient of correlation");
- correction of <u>Formula (1)</u>;
- wording in 10.3.2.1;
- wording in the key of Figure 9;
- wording in <u>Table B.2</u>;
- wording in Table D.3;
- correction of the references.

A list of all parts in the ISO 6892 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

During discussions concerning the speed of testing in the preparation of ISO 6892, it was decided to recommend the use of strain rate control in future revisions.

In this document, there are two methods of testing speeds available. The first, method A, is based on strain rates (including crosshead separation rate) and the second, method B, is based on stress rates. Method A is intended to minimize the variation of the test rates during the moment when strain rate sensitive parameters are determined and to minimize the measurement uncertainty of the test results. Therefore, and out of the fact that often the strain rate sensitivity of the materials is not known, the use of method A is strongly recommended.

NOTE In what follows, the designations "force" and "stress" or "extension", "percentage extension", and "strain", respectively, are used on various occasions (as figure axis labels or in explanations for the determination of different properties). However, for a general description or point on a curve, the designations "force" and "stress" or "extension", "percentage extension", and "strain", respectively, can be interchanged.