

**SRI LANKA STANDARD 1233: 2021**  
**(ISO 5079:2020)**  
**UDC 677**

**DETERMINATION OF BREAKING FORCE  
AND ELONGATION AT BREAK  
OF INDIVIDUAL FIBRES**  
*(First Revision)*

**SRI LANKA STANDARDS INSTITUTION**



**Sri Lanka Standard**  
**DETERMINATION OF BREAKING FORCE AND ELONGATION AT BREAK**  
**OF INDIVIDUAL FIBRES**  
*(First Revision)*

**SLS 1233: 2021**  
**(ISO 5079:2020)**

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**Sri Lanka Standard**  
**DETERMINATION OF BREAKING FORCE AND ELONGATION AT BREAK**  
**OF INDIVIDUAL FIBRES**  
*(First Revision)*

**NATIONAL FOREWORD**

This Sri Lanka Standard was approved by the Sectoral Committee on Textiles and Garments and was authorized for adoption and publication as a Sri Lanka Standard by the Council of the Sri Lanka Standards Institution on 2021-12-22.

This Sri Lanka Standard is identical with ISO 5079: 2020 Textile fibres – Determination of breaking force and elongation at break of individual fibres.

**TERMINOLOGY AND CONVENTIONS**

The text of the International Standard has been accepted as suitable for publication without deviation, as a Sri Lanka Standard. However certain terminology and conventions are not identical with those used in Sri Lanka Standards. Attention is therefore drawn to the following:

- a) Wherever the words “International Standard” appear referring to this standard they should be interpreted as “Sri Lanka Standard”.
- b) The comma has been used throughout as a decimal marker. In Sri Lanka Standards it is the current practice to use a full point on the baseline as the decimal marker.
- c) Whenever page numbers are quoted, they are ISO page numbers.

## **CROSS REFERENCES**

### **International Standard**

### **Corresponding Sri Lanka Standard**

ISO 139 Textiles – Standard atmospheres for conditioning and testing	SLS 16 Standard atmospheres for conditioning and testing of textiles
ISO 1130 Textile fibres – Some methods of sampling for testing	SLS 504 Methods of sampling of textile fibres for testing
ISO 1973 Textile fibres – Determination of linear density – Gravimetric method and vibroscope method	No Corresponding Sri Lanka Standards
ISO 2602 Statistical interpretation of test results – Estimation of the mean – Confidence interval	SLS 526 Part 1 Statistical interpretation of data - Estimation of the mean confidence intervals
ISO 3696 Water for analytical laboratory use – Specification and test methods	No Corresponding Sri Lanka Standards
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	No Corresponding Sri Lanka Standards
ISO 10012 Measurement management systems – Requirements for measurement processes and measuring equipment	No Corresponding Sri Lanka Standards

INTERNATIONAL  
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**ISO**  
**5079**

Third edition  
2020-10

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**Textile fibres — Determination of  
breaking force and elongation at  
break of individual fibres**

*Fibres textiles — Détermination de la force de rupture et de  
l'allongement de rupture des fibres individuelles*



Reference number  
ISO 5079:2020(E)



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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 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)).

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received (see [www.iso.org/patents](http://www.iso.org/patents)).

Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

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](http://www.iso.org/iso/foreword.html).

This document was prepared by Technical Committee ISO/TC 38, *Textiles*, Subcommittee SC 23, *Fibres and yarns*, in collaboration with the European Committee for Standardization (CEN) Technical Committee CEN/TC 248, *Textiles and textile products*, in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement).

This third edition cancels and replaces the second edition (ISO 5079:1995), which has been technically revised. The main changes compared to the previous edition are as follows:

- addition of “ISO 3696”, “ISO 7500-1” and “ISO 10012” as normative references;
- adjustment of “ISO 3060” and “IWTO 32” from normative references to bibliography;
- revision of the definitions of “breaking force” (3.1), “force at rupture” (3.2), “extension” (3.3), “elongation at break” (3.5), “elongation at rupture” (3.6), “gauge length” (3.7), “initial length” (3.8), “pretension” (3.9) and “breaking density” (3.11);
- deletion of terminological entry for “tension” (former 3.10);
- addition of terminological entry for “constant-rate-of-extension testing machine” (3.10);
- addition of a note in [Clause 4](#);
- redrafting of text describing the requirements for CRE testing machine in [5.1](#);
- addition of “Tweezers” (5.2);
- revision of requirements for wetting solution in [5.3](#) (former 5.2);
- addition of details about preparation of test specimen in [Clause 7](#);
- addition of [8.2 c](#));
- redrafting of the test procedure of wet test in [8.8](#) (former 8.6);

- redrafting of the test report in [Clause 10](#);
- addition of [Figure A.1](#);
- addition of [Annex B](#).

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](http://www.iso.org/members.html).



# Textile fibres — Determination of breaking force and elongation at break of individual fibres

## 1 Scope

This document specifies the method and conditions of test for the determination of the breaking force and elongation at break of individual fibres in the conditioned or wet state.

The determination of these fibre properties, when carried out on different kinds of testing equipment, will not generally give identical results. To avoid such differences, this document is restricted to the use of constant-rate-of-extension testing machine.

It is applicable to all fibres, including crimped fibres, provided that the length of fibre available enables the gauge length specified in this document.

**NOTE** For natural fibres (especially wool and cotton), the breaking test most commonly performed is that of bundles of fibres (see ISO 3060 and IWTO 32-82).

## 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 139, *Textiles — Standard atmospheres for conditioning and testing*

ISO 1130, *Textile fibres — Some methods of sampling for testing*

ISO 1973, *Textile fibres — Determination of linear density — Gravimetric method and vibroscope method*

ISO 2602, *Statistical interpretation of test results — Estimation of the mean — Confidence interval*

ISO 3696, *Water for analytical laboratory use — Specification and test methods*

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 10012, *Measurement management systems — Requirements for measurement processes and measuring equipment*

## 3 Terms and definitions

For the purposes of this document, the following terms and definitions 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 <http://www.electropedia.org/>

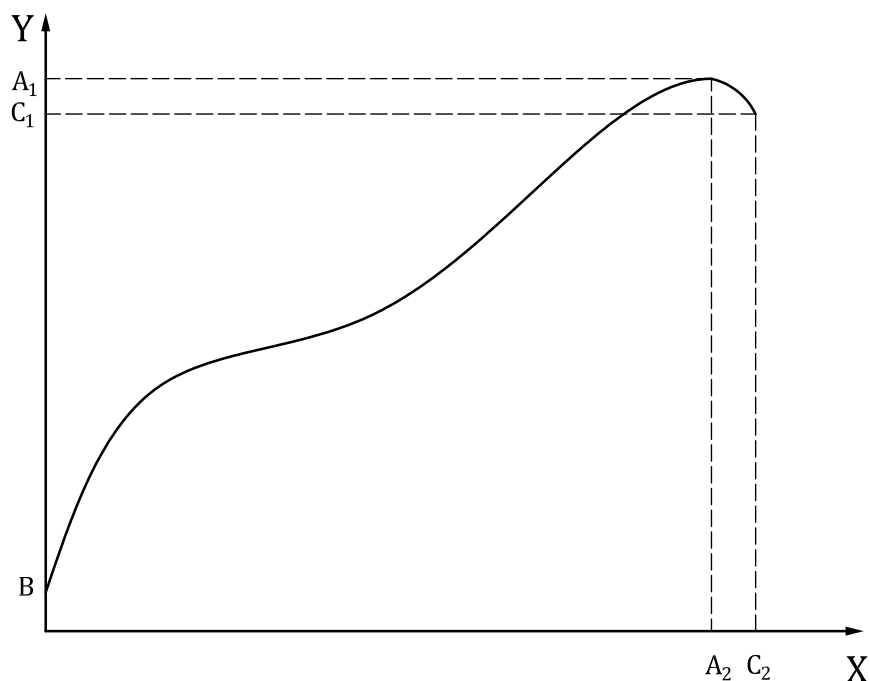
### 3.1

#### **breaking force**

maximum force appearing during a test specimen carried to rupture in a tensile test under specified conditions

**EXAMPLE** See  $A_1$  in [Figure 1](#).

Note 1 to entry: For fibres, breaking force is preferably expressed in centinewtons.



**Key**

- Y force, expressed in centinewtons
- X elongation (3.4), expressed as a percentage
- A<sub>1</sub> breaking force (3.1)
- A<sub>2</sub> elongation at break (3.5)
- B pretension (3.9)
- C<sub>1</sub> force at rupture (3.2)
- C<sub>2</sub> elongation at rupture (3.6)

**Figure 1 — Typical force/elongation curve**

**3.2  
force at rupture**

force at the point of rupture of the test specimen during a tensile test

EXAMPLE See C<sub>1</sub> in [Figure 1](#).

**3.3  
extension**

increase in length of a test specimen during a tensile test

Note 1 to entry: Extension is expressed in units of length.

**3.4  
elongation**

ratio of the *extension* (3.3) of a test specimen to its *initial length* (3.8)

Note 1 to entry: Elongation is expressed as a percentage.

**3.5  
elongation at break**

*elongation* (3.4) of a test specimen at the *breaking force* (3.1)

EXAMPLE See A<sub>2</sub> in [Figure 1](#).

### 3.6

#### **elongation at rupture**

*elongation* (3.4) of a test specimen at the *force at rupture* (3.2)

EXAMPLE See C<sub>2</sub> in [Figure 1](#).

### 3.7

#### **gauge length**

distance between the two effective clamping points of a testing device

Note 1 to entry: With guide groove or wrap bollard clamps, it is the distance between their effective clamping points, measured along the path of the specimen.

### 3.8

#### **initial length**

length of a test specimen (between the two effective clamping points) under specified *pretension* (3.9) at the beginning of a test

### 3.9

#### **pretension**

tension applied to a test specimen at the beginning of a tensile test

EXAMPLE See B in [Figure 1](#).

Note 1 to entry: For fibres, pretension is preferably expressed in centinewtons.

### 3.10

#### **constant-rate-of-extension testing machine**

##### **CRE testing machine**

tensile testing machine provided with one clamp, which is stationary, and another clamp, which moves with a constant speed throughout the test, the entire testing system being virtually free from deflection

[SOURCE: ISO 20932-1:2018, 3.3]

### 3.11

#### **breaking tenacity**

*breaking force* (3.1) divided by the linear density

Note 1 to entry: For fibres, breaking force is preferably expressed in centinewtons per decitex.

## 4 Principle

An individual fibre is extended at a constant rate until rupture occurs. The breaking force and elongation at break are recorded.

If the breaking tenacity is to be calculated, the linear density of the individual fibres or the mean linear density of the laboratory sample is also required.

NOTE If required, the force and elongation at rupture is recorded.

## 5 Apparatus and reagents

### 5.1 Tensile testing machine.

5.1.1 Metrological confirmation system of the tensile testing machine shall be in accordance with ISO 10012.

5.1.2 The machine shall be equipped with suitable clamps for gripping individual fibres at the required gauge length, a means for stretching the fibre to rupture at constant rate of extension by

moving one of the clamps, and a means for recording the extension (elongation) of the fibre and the corresponding force.

Visualization of the individual force/extension (or tenacity/elongation) curves is helpful for detection of fibre slippage in the clamps. Advice on mounting of test specimens is given in [Annex A](#).

**5.1.3** The machine shall be capable of operating at various constant rates of extension between at least 5 mm/min and 40 mm/min.

**5.1.4** Under conditions of use, the accuracy of the testing machine shall be at least class 1 of ISO 7500-1, and meet the following requirements.

- a) the error of the indicated or recorded force at any point in the range in which the testing machine is used shall not exceed  $\pm 1$  %;
- b) the error of the indicated or recorded extension shall not exceed  $\pm 0,1$  mm;
- c) the gauge length shall be with an accuracy of  $\pm 0,2$  mm;
- d) the constant rate of displacement of the moving clamp shall be with an accuracy of  $\pm 5$  %.

**5.1.5** The clamps of the machine shall be capable of adjustment, and the surface of the clamp jaws in contact with the specimen shall be of a material to provide the correct gripping force without damage to the fibre, thereby avoiding slippage and jaw breaks (see [8.7](#)).

**5.2 Tweezers.**

**5.3 Wetting solution.**

If wet testing is to be carried out, distilled water or grade 3 water in accordance with ISO 3696 at a temperature of  $(20 \pm 2)$  °C, to which a non-ionic wetting agent to a maximum concentration of 0,1 % has been added, shall be used.

## 6 Conditioning and testing atmospheres

The atmospheres for preconditioning, conditioning and testing shall be as specified in ISO 139.

## 7 Sampling and preparation of test specimen

To ensure that the laboratory sample is representative of the material and that the test specimen taken from the laboratory sample is representative of that sample, sampling shall be carried out in accordance with ISO 1130.

For staple fibres, the length shall be sufficient to allow tests at the selected gauge length.

For filaments, cut the specimen into short segments allowing a gauge length of 20 mm. Carefully remove the required number of test specimens from the segments by grasping the individual filament segments at one end with tweezers. The effective part of the fibre under test shall not be damaged during preparing the test specimen.

## 8 Procedure

**8.1** Condition the test specimens and carry out the tests in the standard atmosphere as specified in [Clause 6](#).



**8.2** Adjust the machine to extend the test specimen using a speed of the moving clamp of

- a) 50 % gauge length per minute, for test specimens with a mean elongation at break lower than 8 %,
- b) 100 % gauge length per minute, for test specimens with a mean elongation at break equal to or greater than 8 % and lower than 50 %, or
- c) 200 % gauge length per minute, for test specimens with a mean elongation at break equal to or greater than 50 %.

In case of fibres with extreme high-extension or low-extension, different rates of extension may be applied upon agreement by the interested parties.

If the nominal elongation at break is not known, establish an approximate value by preliminary tests. In cases where the breaking elongation found in the preliminary test lies around 8 % or 50 %, one of the above testing speeds shall be agreed upon by the interested parties.

If the final results vary slightly from those obtained in the preliminary test, a repetition of the test at a different speed are not necessary.

If both linear density and breaking force for the same fibre are required, then the linear density of the fibre shall be determined in accordance with ISO 1973 before the tensile test is performed.

**8.3** The pretension used for the tensile test in the conditioned or wet state is specified as follows.

- a) In the conditioned tests of staple fibres, use a pretension per unit linear density of  $(0,10 \pm 0,01)$  cN/dtex. For the fibres listed in [Table 1](#), use the pretension per unit linear density indicated.

A higher pretension, for example to remove crimp, may be applied upon agreement between the interested parties.

**Table 1 — Pretension per unit linear density for the conditioned test of staple fibres**

Fibre	Pretension per unit linear density cN/dtex
Cellulose man-made fibres	$0,060 \pm 0,006$
Polyester fibres	
linear density < 2 dtex	$0,20 \pm 0,02$
linear density $\geq 2$ dtex	$0,10 \pm 0,01$
Meta-aramid fibres and polylactide fibres	$0,12 \pm 0,03$
Polyimide fibres	$0,15 \pm 0,03$

- b) In the conditioned tests of filaments, use a pretension per unit linear density of  $(0,050 \pm 0,005)$  cN/dtex.
- c) In the wet tests of staple fibres and filaments, use a pretension per unit linear density of  $(0,025 \pm 0,003)$  cN/dtex for cellulose man-made fibres, and use a pretension which is half of that specified in the conditioned test for other fibres.

Calculate the mass necessary to obtain the required pretension on the basis of the nominal linear density of the fibre.

**8.4** Use a gauge length of 20 mm.

Where it is impossible to use the 20 mm gauge length because of short fibre length, a gauge length of 10 mm may be used. In this case, the accuracy of results is reduced.

**8.5** Prepare and mount an individual fibre (see [Annex A](#)) under specified pretension (see [8.3](#)) in the clamps of the testing machine. Ensure that the fibre lies along the axis of extension of the machine.

Apply the specified pretension either through a mass piece or automatically by the testing machine before starting the test.

**8.6** Start the testing machine with the specified rate of extension, and extend the test specimen to rupture, recording the elongation of the fibre and the corresponding force.

**8.7** Test at least 50 fibres, unless otherwise agreed by the interested parties.

Record the number of fibre slippages and jaw breaks (e.g. breaks at the edge of or in the jaws). The condition of the clamps shall be such that the number of fibre slippages and jaw breaks does not exceed 20 % of the number of specimens tested, otherwise the jaws shall be examined and, if necessary, changed.

Ascertain during the test that the clamped fibre length is not spuriously increased by slippage of the fibre in the jaws. This shall be done by inspection of the recorded curve or the recorded elongation and corresponding force.

Results obtained from test specimens showing jaw breaks or fibre slippages in the jaws shall be discarded.

**NOTE** If certain filaments with relatively high-tenacity are normally impossible to be tested by the above method due to the occurrence of serious fibre slippage, the tensile test method given in [Annex B](#) can be applied upon agreement by the interested parties.

**8.8** If a wet test is required, first immerse the test specimens for a period of 2 min in wetting solution ([5.3](#)).

Take the wetted test specimen from wetting solution ([5.3](#)), mount it under pretension in both clamps. Immerse the clamped test specimen and the lower clamp in the wetting solution ([5.3](#)) by lifting the water-filled glass vessel, and start the test. Make sure that the surface of the wetting solution ([5.3](#)) does not touch the upper clamp.

## 9 Expression of results

The following results shall be calculated in accordance with ISO 2602:

- a) the mean breaking force of the fibres tested, expressed in centinewtons to three significant figures;
- b) the mean elongation at break of the fibres tested, expressed as a percentage to two significant figures;
- c) coefficient of variation of the breaking force and coefficient of variation of the elongation at break, expressed as a percentage, to the nearest 0,1 %;
- d) the 95 % confidence intervals of the breaking force expressed in centinewtons, and of the elongation at break expressed as a percentage, rounded off to the same precision as the mean values;
- e) if required, the breaking tenacity, in centinewtons per decitex, to the nearest 0,1 cN/dtex.

For the purposes of this document, the breaking tenacity can be calculated by either:

- dividing the breaking force for each fibre by the linear density for the same fibre, measured in accordance with ISO 1973 using the vibroscope method. In this case, the mean breaking tenacity and coefficient of variation can be calculated. If applicable, this one is the preferred method; or
- dividing the mean breaking force by the mean value of linear density of the laboratory sample, measured in accordance with ISO 1973 using the gravimetric method.

## 10 Test report

The test report shall include the following information:

- a) a reference to this document, i.e. ISO 5079:2020;
- b) date of test;
- c) the identification of the sample and sampling procedure;
- d) the state of the test specimens (conditioned or wet);
- e) number of specimens tested and number of fibres discarded because of jaw breaks and/or slippage;
- f) type of clamps and jaws used;
- g) gauge length, rate of extension and pretension used;
- h) mean value and coefficient of variation of breaking force;
- i) mean value and coefficient of variation of elongation at break;
- j) 95 % confidence intervals of breaking force and elongation at break;
- k) mean linear density of the fibres (if breaking tenacity is required), as well as the method used for determination of linear density;
- l) breaking tenacity (if required);
- m) any deviation, by agreement or otherwise, from the procedure specified.

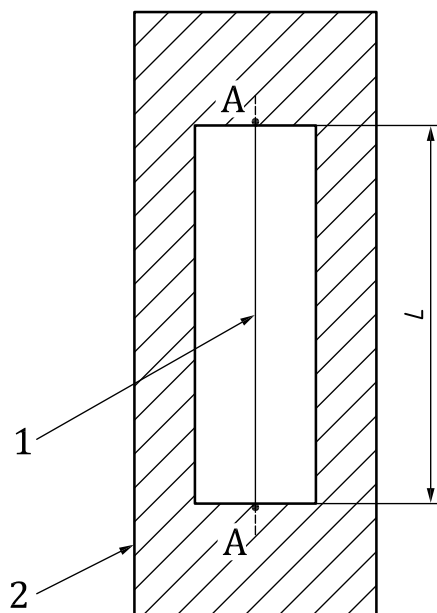
## Annex A (informative)

### Mounting of test specimens

**A.1** Great care should be taken to ensure that the fibre is not damaged during mounting. For example, the effective part of the fibre under test should not be held with tweezers.

**A.2** For pretensioned mounting, suitable fibre clips should be attached to the test specimen.

**A.3** For brittle fibres, a carrier (see [Figure A.1](#)) may be used as follows. The carrier is made of a thin card with a rectangular slot, and the slot length is equal to the gauge length. The fibre is mounted across the slot by means of some suitable adhesive. The adhesive should not spread over the effective part of the fibre under test. After the specimen is clamped, cut the sides of the carrier which are parallel to the fibre axis. For wet tests, both the card and the adhesive should be resistant to water.



#### Key

- 1 test specimen
- 2 test carrier
- A adhesive place between test specimen and test carrier
- L slot length

**Figure A.1 — Diagram of test carrier**

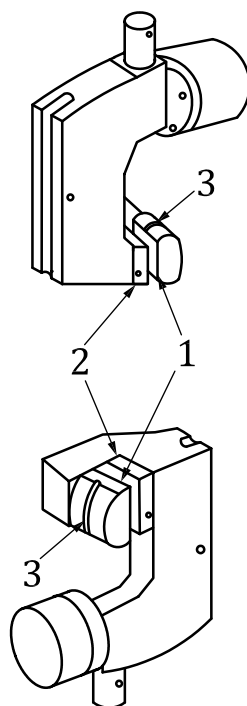
## Annex B (informative)

### Tensile test method for certain high-tenacity filaments

#### B.1 Apparatus

**B.1.1 CRE testing machine**, meeting the requirements as follows.

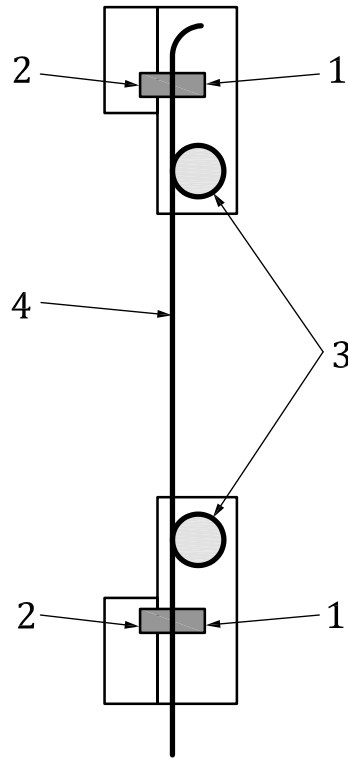
- a) the error of the indicated or recorded force at any point in the range in which the testing machine is used shall not exceed  $\pm 1\%$ ;
- b) the error of the indicated or recorded extension shall not exceed  $\pm 0,1\text{ mm}$ ;
- c) the gauge length shall be with an accuracy of  $\pm 1\text{ mm}$ ;
- d) the constant rate of displacement of the moving clamp shall be with an accuracy of  $\pm 5\%$ ;
- e) for certain high-tenacity filaments, such as para-aramid filaments and ultra-high molecular weight polyethylene filaments, the clamps showed in [Figure B.1](#) and [Figure B.2](#) may be used to avoid fibre slippages and jaw breaks. As the type of clamp can influence the reading of the elongation, the type should be agreed upon by the interested parties.



**Key**

- 1 stationary clamp block
- 2 moving clamp block
- 3 guide groove

**Figure B.1 — Diagram of clamps with guide grooves**



**Key**

- 1 stationary clamp block
- 2 moving clamp block
- 3 wrap bollard
- 4 test specimen

**Figure B.2 — Diagram of clamps with wrap bollards**

**B.1.2 Tweezers.**

**B.1.3 Flannelette board, covered with black flannelette.**

**B.2 Specimen preparation**

Remove appropriately the filament bundles in the surface of the laboratory package. Cut at least 300 mm of filament segments, lay them on the flannelette board and use the tweezers to extract more than 20 individual filament segments ready for test. During the specimen preparation, great care should be taken to ensure that the effective part of the fibre under test is not damaged.

**B.3 Procedure**

**B.3.1** Condition the test specimens and carry out the tests in the standard atmosphere as specified in [Clause 6](#).

**B.3.2** Adjust the tensile machine at the rate of extension of 100 mm/min.

In case a rate of extension of 100 mm/min is not possible, lower rates of extension may be used upon agreement by the interested parties.

**B.3.3** Obtain the appropriate pretension of the individual filament segment on the basis of the nominal linear density.

**NOTE** In the conditioned tensile test, the pretension per unit linear density of para-aramid individual filament is  $(0,20 \pm 0,01)$  cN/dtex and that of ultra-high molecular weight polyethylene individual filament is  $(0,05 \pm 0,01)$  cN/dtex.

**B.3.4** Use a gauge length of 200 mm.

In case a gauge length of 200 mm is not possible, lower gauge lengths may be used upon agreement by the interested parties and the rate of extension should not exceed 50 % gauge length per minute.

**B.3.5** Mount an individual filament under appropriate pretension in the clamps of the testing machine. Great care should be taken to ensure that the fibre is not damaged during mounting.

**B.3.6** Start the testing machine with the specified rate of extension, and extend the test specimen to rupture, recording the elongation of the fibre and the corresponding force.

Record the number of fibre slippages and jaw breaks (e.g. breaks at a point within 5 mm of the edge of the jaw). The number of fibre slippages and jaw breaks shall not exceed 20 % of the number of specimens tested, otherwise the jaws shall be examined or adjusted, if necessary, changed.

Results obtained from test specimens showing jaw breaks or fibre slippages in the jaws shall be discarded.

**B.3.7** Test at least 20 fibres, unless otherwise agreed by the interested parties.

## Bibliography

- [1] ISO 3060, *Textiles — Cotton fibres — Determination of breaking tenacity of flat bundles*
- [2] IWTO 32-82, *Determination of the bundle strength of wool fibres*, International Wool Textile Organization, Brussels



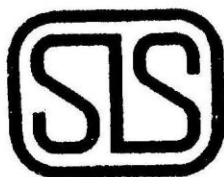




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The Sri Lanka Standards Institution (SLSI) is the National Standards Organization of Sri Lanka established under the Sri Lanka Standards Institution Act No. 6 of 1984 which repealed and replaced the Bureau of Ceylon Standards Act No. 38 of 1964. The Institution functions under the Ministry of Technology.

The principal objects of the Institution as set out in the Act are to prepare standards and promote their adoption, to provide facilities for examination and testing of products, to operate a Certification Marks Scheme, to certify the quality of products meant for local consumption or exports and to promote standardization and quality control by educational, consultancy and research activity.

The Institution is financed by Government grants, and by the income from the sale of its publications and other services offered for Industry and Business Sector. Financial and administrative control is vested in a Council appointed in accordance with the provisions of the Act.

The development and formulation of National Standards is carried out by Technical Experts and representatives of other interest groups, assisted by the permanent officers of the Institution. These Technical Committees are appointed under the purview of the Sectoral Committees which in turn are appointed by the Council. The Sectoral Committees give the final Technical approval for the Draft National Standards prior to the approval by the Council of the SLSI.

All members of the Technical and Sectoral Committees render their services in an honorary capacity. In this process the Institution endeavours to ensure adequate representation of all view points.

In the International field the Institution represents Sri Lanka in the International Organization for Standardization (ISO), and participates in such fields of standardization as are of special interest to Sri Lanka.