
**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*

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ISO copyright office
CP 401 • Ch. de Blandonnet 8
CH-1214 Vernier, Geneva
Phone: +41 22 749 01 11
Email: copyright@iso.org
Website: www.iso.org

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Foreword

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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 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);